

Continuing Competence Syllabus

Title:	AEROBIC COMPOSTING (AC)	
Syllabus areas	Learning Outcomes	Source
	<i>The candidate will be able to:</i>	
1. Waste Acceptance Procedures <ul style="list-style-type: none"> • Pre-acceptance procedures • Waste reception and storage 	1.1 Know information, checks and records required prior to accepting waste 1.2 Know the acceptance procedures for waste that arrives at the aerobic composting facility 1.3 Know the requirements for waste reception and storage at the aerobic composting facility 1.4 Know the procedures for waste rejection at an aerobic composting facility	<ul style="list-style-type: none"> • How to comply with your environmental permit: Additional technical guidance for: composting and aerobic treatment sector • SR2012No3 (v2) Composting in closed systems <75 tonnes per day • SR2012No7 (v2) Composting in open systems <75 tonnes per day • SR2012No4 (v3) Composting in closed system (Part A Installation) • SR2012No8 (v3) Composting in open systems (Part A Installation)
2. Feedstocks <ul style="list-style-type: none"> • Feedstock source • Feedstock characterisation and sampling • Mechanical Biological Treatment (MBT) 	2.1 Know the characteristics that should be tested as part of a detailed feedstock characterisation 2.2 Know why non-source segregated feedstocks potentially pose a greater environmental risk when using the resulting compost-like output 2.3 Know the consequences of using contaminated feedstocks for the aerobic composting process 2.4 Know the consequences of using contaminated feedstocks for the Mechanical Biological Treatment process 2.5 Know how the residual wastes from an aerobic composting facility should be controlled and managed	<ul style="list-style-type: none"> • Environment Agency – Sustainable management of biowastes: Compost-Like Output from Mechanical Biological Treatment of mixed source municipal wastes • Cut and paste link below webarchive.nationalarchives.gov.uk/20140328084622/http://www.environment-agency.gov.uk/static/documents/Research/080331_MBT_FINAL_VERSION_broken_links_removed.pdf • DEFRA.GOV.UK Mechanical Biological Treatment of MSW. • Organics Recycling Group – An industry guide for the prevention and control of odours at biowaste processing facilities • SR2012No3 (v2) Composting in closed systems <75 tonnes per day • SR2012No7 (v2) Composting in open systems <75 tonnes per day • SR2012No4 (v3) Composting in closed system (Part A Installation) • SR2012No8 (v3) Composting in open systems (Part A Installation)
3. Accepting Animal By Products <ul style="list-style-type: none"> • Animal By Products Regulations • Food waste • HACCP plan 	3.1 Know the types of aerobic composting facility that can handle catering waste according to Animal By Product Regulations 3.2 Know the requirements for record keeping regarding Animal By Products or food waste delivered to the site 3.3 Know what a Hazard Analysis Critical Control Point plan is in relation to gaining Animal By Products Regulations approval and what steps are required	<ul style="list-style-type: none"> • The Animal By-Products (Enforcement) (England) Regulations 2013 • GOV.UK: Animal by-products categories, site approval and hygiene • GOV.UK: using animal by-products at compost and biogas sites

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<p>4. Odour control</p> <ul style="list-style-type: none"> • Monitoring • mitigation • Feedstock control • Biofilters or other equivalent abatement systems 	<p>4.1 Know what circumstances odours may be produced during aerobic biological treatment processes</p> <p>4.2 Know the odour problems associated with aerobic biological treatment processes and how to control them</p> <p>4.3 Know the methods used to monitor odour on an aerobic composting facility</p> <p>4.4 know alternative methods to biofilters for odour control</p> <p>4.5 Know the limitations of using sniff testing for monitoring odours</p> <p>4.6 Know the information required in an odour management plan</p> <p>4.7 Know the optimal operating conditions for Biofilters</p> <p>4.8 Know how to identify the correct biofilter size for aerobic biological treatment processes</p>	<ul style="list-style-type: none"> • Organics Recycling Group – An industry guide for the prevention and control of odours at biowaste processing facilities • Environment Agency – How to comply with your Environmental Permit (V6, June 2013) • Environment Agency – H4: Odour Management (March 2011) • How to comply with your environmental permit: Additional technical guidance for: composting and aerobic treatment sector • SR2012No3 (v2) Composting in closed systems <75 tonnes per day • SR2012No7 (v2) Composting in open systems <75 tonnes per day • SR2012No4 (v3) Composting in closed system (Part A Installation) • SR2012No8 (v3) Composting in open systems (Part A Installation)
<p>5. Bioaerosols management</p> <ul style="list-style-type: none"> • Monitoring and control methods • No-effect zones • Biological risk assessments 	<p>5.1 Know the factors affecting a bioaerosol risk assessment for sensitive receptors</p> <p>5.2 Know the methods used for bioaerosol abatement (including reducing point source releases)</p> <p>5.3 Know where a safe/no-effect zone can be established with regard to bioaerosol exposure</p> <p>5.4 Know the consequences of exposure to bioaerosols to staff and visitors and</p> <p>5.5 Know how to manage the risk of exposure to bioaerosols</p>	<ul style="list-style-type: none"> • Environment Agency – Composting and potential health effects from bioaerosols: our interim guidance for permit applicants • [http://webarchive.nationalarchives.gov.uk/20140328084622/http://www.environment-agency.gov.uk/static/documents/Research/Composting_bioaerosols.pdf] • How to comply with your environmental permit: Additional technical guidance for: composting and aerobic treatment sector • SR2012No3 (v2) Composting in closed systems <75 tonnes per day • SR2012No7 (v2) Composting in open systems <75 tonnes per day • SR2012No4 (v3) Composting in closed system (Part A Installation) • SR2012No8 (v3) Composting in open systems (Part A Installation) • Environment Agency – Composting and potential health effects from bioaerosols: our interim guidance for permit applicants • [http://webarchive.nationalarchives.gov.uk/20140328084622/http://www.environment-agency.gov.uk/static/documents/Research/Composting_bioaerosols.pdf]
<p>6. Standards</p> <ul style="list-style-type: none"> • Quality Protocol • PAS 100 	<p>6.1 Know what is required to prevent a 'product' being referred to as waste</p> <p>6.2 Know the characteristics of:</p> <ul style="list-style-type: none"> - a sanitisation regime 	<ul style="list-style-type: none"> • Compost Quality Protocol • PAS 100: 2011 – Specification for Composted Materials (Please note you will need to request this document from WRAP, but it is free of charge) • SR2012No3 (v2) Composting in closed systems <75 tonnes per day

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<ul style="list-style-type: none"> • HACCP plan • Sanitisation • Stabilisation • Compost-like-output (CLO) • Storage requirements 	<ul style="list-style-type: none"> - a stabilisation regime 6.3 Know how a Hazard Analysis Critical Control Point plan can benefit a PAS 100 certified facility 6.4 Know the maximum amount of contaminants permitted under PAS 100 6.5 Know the records required in order to comply with PAS 100 and the Quality Protocol 6.6 Know under what conditions a compost like output can be applied to land from a non PAS 100 certified facility 6.7 Know the storage requirements on land for both compost and compost like outputs 6.8 Know the requirements and methods for source separation of feedstocks to meet PAS 100 	<ul style="list-style-type: none"> • SR2012No7 (v2) Composting in open systems <75 tonnes per day • SR2012No4 (v3) Composting in closed system (Part A Installation) • SR2012No8 (v3) Composting in open systems (Part A Installation)
<p>7. Process Principles</p> <ul style="list-style-type: none"> • Process monitoring • pH and nutrients • Moisture content • Temperature • Feedstocks • Plant and equipment breakdown • Leachate 	<ul style="list-style-type: none"> 7.1 Know each phase of the aerobic composting process and how to manage it 7.2 Know the monitoring and control requirements for the aerobic composting process 7.3 Know the pH range for feedstock and how to manage it 7.4 Know the nutrient ratios for feedstocks and why they are important for effective treatment 7.5 Know the required moisture content for each phase of the aerobic composting process and how to manage it 7.6 Know the temperature requirements for each phase of the aerobic composting process and how to manage it 7.7 Know how to use feedstocks in relation to: <ul style="list-style-type: none"> - Optimum size of input materials - Preventing anaerobic conditions - Moisture levels 7.8 Know how to manage the aerobic composting process in accordance with regulatory and process requirements in the event of: <ul style="list-style-type: none"> - Plant breakdown - Equipment breakdown 	<ul style="list-style-type: none"> • Organics Recycling Group – An industry guide for the prevention and control of odours at biowaste processing facilities • How to comply with your environmental permit: Additional technical guidance for: composting and aerobic treatment sector • SR2012No3 (v2) Composting in closed systems <75 tonnes per day • SR2012No7 (v2) Composting in open systems <75 tonnes per day • SR2012No4 (v3) Composting in closed system (Part A Installation) • SR2012No8 (v3) Composting in open systems (Part A Installation) • GOV.UK Fire Prevention Plans

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	7.9 Know what is good practice for using collected leachate within the aerobic composting process	
8. Other issues <ul style="list-style-type: none"> • Fire prevention • Vermin • Litter • Noise • Dust • Leachate management • Protection of surface water, sewer and groundwater 	8.1 Know methods of preventing and managing fires on an aerobic composting facility 8.2 Know the requirements for pest and vermin control 8.3 Know the requirements for litter prevention and control 8.4 Know the methods for minimising noise emissions 8.5 Know the requirements for dust prevention and control 8.6 Know the requirements for control of leachate 8.7 Know the requirements for the protection of surface water, sewer and groundwater from substances not controlled by emission limits	<ul style="list-style-type: none"> • How to comply with your environmental permit: Additional technical guidance for: composting and aerobic treatment sector • SR2012No3 (v2) Composting in closed systems <75 tonnes per day • SR2012No7 (v2) Composting in open systems <75 tonnes per day • SR2012No4 (v3) Composting in closed system (Part A Installation) • SR2012No8 (v3) Composting in open systems (Part A Installation) • GOV.UK: Fire Prevention Plans • WISH Guidance – Reducing fire risk at waste management sites
9. Health and Safety <ul style="list-style-type: none"> • Accidents management plan 	9.1 Know what information should be included in a formal accident management plan	<ul style="list-style-type: none"> • How to comply with your environmental permit: Additional technical guidance for: composting and aerobic treatment sector
Additional Sources of information: <ul style="list-style-type: none"> • Association of Organics Recycling http://www.organics-recycling.org.uk • Waste and Resources Action Programme (WRAP) www.wrap.org.uk 		

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Title:	ANAEROBIC DIGESTION (AD)	
Syllabus areas	Learning Outcomes	Source
	<i>The candidate will be able to:</i>	
10. Waste Acceptance Procedures <ul style="list-style-type: none"> • Pre-acceptance procedures • Waste Reception and storage 	10.1 Know what information, checks and records required prior to accepting waste 10.2 Know the acceptance procedures for waste that arrives at the anaerobic digestion facility 10.3 Know the requirements for waste reception and storage at the anaerobic digestion facility 10.4 Know the procedures for rejection at an anaerobic digestion facility	<ul style="list-style-type: none"> • GOV.UK: How to comply with your environmental permit (v6 June 2013) • How to comply with your environmental permit. Additional guidance for: Anaerobic Digestion • WRAP – PAS110 (2014) (Please note you will need to request this document from WRAP, but it is free of charge)
11. Feedstocks <ul style="list-style-type: none"> • Feedstock source • Feedstock characterisation and sampling • Contamination 	11.1 Know the types of feedstocks available for anaerobic digestion 11.2 Know the characteristics that should be tested as part of a detailed feedstock characterisation 11.3 Know the consequences of using contaminated feedstocks for the anaerobic digestion process 11.4 Know how the residual wastes from an anaerobic digestion facility should be controlled and managed	<ul style="list-style-type: none"> • GOV.UK: AD Quality Protocol • SR2012No11: Anaerobic Digestion facility including use of the resultant biogas • SR2012No11: Anaerobic Digestion facility including use of resultant biogas (Waste recovery operation – capacity less than 100 tonnes of waste per day)
12. Accepting Animal By Products <ul style="list-style-type: none"> • Animal By Products • HACCP plan 	12.1 Know the requirements for handling materials covered by Animal By Product Regulations 12.2 Know how a Hazard Analysis Critical Control Point plan can benefit a Animal By Products Regulations facility 12.3 Know the potential hazards to be assessed in relation to a Hazard Analysis Critical Control Point plan 12.4 Know the control measures required for feedstocks containing meat	<ul style="list-style-type: none"> • The Animal By-Products (Enforcement) (England) Regulations 2013 • GOV.UK: Animal by-products categories, site approval and hygiene • GOV.UK: using animal by-products at compost and biogas sites
13. Emission Control and Abatement <ul style="list-style-type: none"> • Point source emissions to air 	13.1 Know the requirements for managing point source emissions to air 13.2 Know when the majority of fugitive emissions to air are likely to occur 13.3 Know the main methods of preventing point source	<ul style="list-style-type: none"> • How to comply with your environmental permit. Additional guidance for: Anaerobic Digestion • Organics Recycling Group – An industry guide for the prevention and control of odours at biowaste processing facilities (check if anything superceded by Draft EA guidance)

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<ul style="list-style-type: none"> • Fugitive emissions to air • Odour management • Bioaerosols • emissions to surface water, groundwater and sewer • Dust • Noise and vibration monitoring 	<p style="text-align: center;">emissions to air</p> <p>13.4 Know the factors that determine the degree of odour pollution</p> <p>13.5 Know the options for odour monitoring</p> <p>13.6 Know the methods used to prevent odour pollution and minimise its impact</p> <p>13.7 Know what information should be included in an odour management plan</p> <p>13.8 Know where there is a risk of bioaerosols release from the anaerobic digestion process and how to mitigate it</p> <p>13.9 Know the requirements for control of emissions to surface water, groundwater and the sewer</p> <p>13.10 Know the control measures to suppress dust creation and dispersion</p> <p>13.11 Know control measures to minimise the emission of noise and vibration</p> <p>13.12 Know what information is required if noise issues become relevant</p>	<ul style="list-style-type: none"> • Environment Agency – How to comply with your Environmental Permit (V6, June 2013) • Environment Agency – H4: Odour Management (March 2011) • Environment Agency – Generic Environment Risk Assessment for AD SR2010No15 • SR2012No11: Anaerobic Digestion facility including use of the resultant biogas V3.0 • Use this link for both the Standard Rules and the generic risk assessment • SR2012No11: Anaerobic Digestion facility including use of resultant biogas (Waste recovery operation – capacity less than 100 tonnes of waste per day)
<p>14. Standards</p> <ul style="list-style-type: none"> • AD Quality Protocol • PAS 110 • HACCP • Records 	<p>14.1 Know the key principles of PAS 110</p> <p>14.2 Know the treatment requirements for compliance with PAS 110</p> <p>14.3 Know what is required in order to class an output from the anaerobic digestion process as a non waste material</p> <p>14.4 Know the limitations and legislative compliance requirements if outputs are not certified as meeting PAS 110 and the Anaerobic Digestion Quality Protocol</p> <p>14.5 Know what wastes (including bioplastics) are permitted in order to comply with PAS 110 and the AD Quality Protocol</p> <p>14.6 Know what records need to be kept in order to comply with PAS 110 and the Quality Protocol</p> <p>14.7 Know the principles of a Hazard Analysis Critical Control Point plan and when it may apply</p> <p>14.8 Know the maximum amount of contaminants permitted under PAS 110</p>	<ul style="list-style-type: none"> • AD Quality Protocol • https://www.gov.uk/government/publications/quality-protocol-anaerobic-digestate • WRAP – PAS110 (2014) (Please note you will need to request this document from WRAP, but it is free of charge)

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<p>15. AD Process Principles</p> <ul style="list-style-type: none"> • Pre-treatment • pH and nutrients • Pasteurisation • Management and use of non PAS 110 outputs • Biogas • Organic Loading Rate • Feedstocks • Plant and equipment breakdown 	<p>15.1 Know the principles of anaerobic digestion treatment</p> <p>15.2 Know what pre-treatment may be required for different types of feedstock</p> <p>15.3 Know what key factors need to be monitored during the digestion process</p> <p>15.4 Know the pH range for feedstock and how to manage it</p> <p>15.5 Know the consequences of having too much nitrogen within the anaerobic digestion process</p> <p>15.6 Know the issues surrounding the production, storage, treatment and use of biogas</p> <p>15.7 Know the requirements for pasteurization</p> <p>15.8 Know how to identify the organic loading rate of the process</p> <p>15.9 Know the options for disposal of biogas condensate</p> <p>15.10 Know the requirements for use of an auxiliary flare under a permit</p> <p>15.11 Know the regulatory and process requirements that need to be managed in case of plant and equipment breakdown</p> <p>15.12 Know the recommended nutrient ratios for an anaerobic digestion process for optimum methane production</p>	<ul style="list-style-type: none"> • WRAP – PAS110 (2014) (Please note you will need to request this document from WRAP, but it is free of charge) • Environment Agency – How to comply with your environmental permit – Additional guidance for Anaerobic Digestion • SR2012No11: Anaerobic Digestion facility including use of the resultant biogas • SR2012No11: Anaerobic Digestion facility including use of resultant biogas (Waste recovery operation – capacity less than 100 tonnes of waste per day) • HSE – Confined Spaces (published 01/13)
<p>16. Digestate</p> <ul style="list-style-type: none"> • Storage • Sampling and testing • Treatments • Use 	<p>16.1 Know the requirements for the storage of digestate:</p> <ul style="list-style-type: none"> – PAS 110 compliant – Non PAS 110 compliant <p>16.2 Know the regulatory requirements for the storage of digestate in a lagoon</p> <p>16.3 Know when digestate sampling and testing may be required</p> <p>16.4 Know what digestate treatments may be required, their benefits and their uses</p> <p>16.5 Know the legal requirements for use of digestate not meeting the PAS 110 and the Anaerobic Digestion Quality Protocol</p>	<ul style="list-style-type: none"> • Environment Agency – How to comply with your environmental permit – Additional guidance for Anaerobic Digestion • SR2012No11: Anaerobic Digestion facility including use of the resultant biogas • SR2012No11: Anaerobic Digestion facility including use of resultant biogas (Waste recovery operation – capacity less than 100 tonnes of waste per day)

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<p>17. Health and Safety</p> <ul style="list-style-type: none"> • Fire/ explosion prevention • Accidents and abnormal operation • DSEAR • Confined spaces 	<p>17.1 Know the hazards and risks associated with carrying out maintenance in a digester</p> <p>17.2 Know of the control measures to mitigate the risk of fire, explosion and the other harmful physical effects from dangerous substances as required by the Dangerous Substances and Explosive Atmospheres Regulations 2002</p> <p>17.3 Know what should be included in a formal accident management plan</p>	<ul style="list-style-type: none"> • HSE – DSEAR Guidance (published 2013) • http://www.hse.gov.uk/pubns/books/l138.htm (includes info on 2015 changes!!) • HSE – Confined Spaces (published 01/13)
<p><u>Additional Sources of information</u></p> <ul style="list-style-type: none"> • HSE Website: www.hse.gov.uk • Anaerobic Digestion and Biogas Association: http://www.adbiogas.co.uk/ • Renewable Energy Association: http://www.r-e-a.net/ • NNFC: http://www.biogas-info.co.uk/ 		

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Title:	CLINICAL WASTE (CW)	
Syllabus areas	Learning Outcomes <i>The candidate will be able to:</i>	Source
<p>18. Storage and packaging</p> <ul style="list-style-type: none"> • Container types • Packaging • Labelling • Storage 	<p>18.1 Know the type of container required for fully and partially discharged ‘sharps’ used to administer pharmaceuticals</p> <p>18.2 Know the type of container required for ‘sharps’ that are infectious but have not been used to administer pharmaceuticals i.e. taking blood/ dissecting blades.</p> <p>18.3 Know the type of container for waste contaminated with cytotoxic/cytostatic medicinal products.</p> <p>18.4 Know the type of container for waste medicinal products that are non- cytotoxic/ cytostatic.</p> <p>18.5 Know the type of packaging used for infectious healthcare wastes.</p> <p>18.6 Know the UN marks on packaging that can be used for different types of wastes</p> <p>18.7 Know how waste containers on site should be labelled</p> <p>18.8 Know the ‘appropriate measures’ for safe storage of waste onsite</p> <p>18.9 Know the ‘appropriate measures’ that should be taken when cleaning storage areas and containers</p> <p>18.10 Know the ‘appropriate measures’ for managing clinical waste to avoid problems with odour, litter and vermin</p>	<ul style="list-style-type: none"> • Health Technical Memorandum 07-01: Safe Management of Healthcare Waste (2013) • HSE Guidance: Management of Healthcare Waste • Environment Agency - How to comply with your environmental permit: additional guidance for clinical waste (EPR 5.07) (Version 1.1, January 2011)
<p>19. Classification of wastes</p>	<p>19.1 Know which wastes are hazardous</p> <p>19.2 Know which wastes are non-hazardous</p>	<ul style="list-style-type: none"> • Technical Guidance WM3 – Guidance on the Classification and Assessment of waste (1st edition, 2015) • Health Technical Memorandum 07-01: Safe Management of Healthcare Waste (2013)
<p>20. Consignment procedures</p>	<p>20.1 Know the paperwork is required when accepting consignments of hazardous and non-hazardous waste.</p> <p>20.2 Know the frequency of returns to the Regulator made by a</p>	<ul style="list-style-type: none"> • GOV.UK –hazardous waste • GOV.UK – Receive and dispose of hazardous waste • GOV.UK - Your waste – your responsibility (Duty of Care)

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	consignee of hazardous waste	<ul style="list-style-type: none"> • Electronic Duty of Care
<p>21. Waste Acceptance procedures</p> <ul style="list-style-type: none"> • Pre-acceptance • Procedures and checks • Storage and disposal • Non-conforming wastes • Records 	<p>21.1 Know the requirements for pre-acceptance of clinical waste</p> <p>21.2 Know the requirements for onsite waste acceptance procedures and checks</p> <p>21.3 Know the requirements of a policy for the storage and disposal of rejected waste.</p> <p>21.4 Know the actions required when non-conforming wastes are identified</p> <p>21.5 Know what information should be recorded on the site waste tracking system</p>	<ul style="list-style-type: none"> • Environment Agency - How to comply with your environmental permit: additional guidance for clinical waste (EPR 5.07)(Version 1.1, January 2011)
<p>22. Treatment and disposal options available for clinical waste</p> <ul style="list-style-type: none"> • Infectious wastes • Wastes suitable/ unsuitable for landfill • High and low temperature (non-burn) treatments 	<p>22.1 Know the correct disposal routes for infectious wastes and sharps containers</p> <p>22.2 Know what 'rendered safe' means for wastes going to landfill</p> <p>22.3 Know when waste should not be macerated</p> <p>22.4 Know which technologies are described as 'high temperature' and 'non-burn/low temperature'</p> <p>22.5 Know the requirements for Validation and Efficiency testing of treatment plants</p>	<ul style="list-style-type: none"> • Health Technical Memorandum 07-01: Safe Management of Healthcare Waste (2013) • Environment Agency - How to comply with your environmental permit: additional guidance for clinical waste (EPR 5.07)(Version 1.1, January 2011)
<p>Additional sources of information:</p> <ul style="list-style-type: none"> • CIWM guidance: http://www.ciwm-journal.co.uk/downloads/Healthcare-Waste-WEB.pdf • HSE guidance: https://www.gov.uk/government/publications/carriage-of-dangerous-goods-guidance-other-than-class-7 • RCN guidance: http://www.rcn.org.uk/_data/assets/pdf_file/0006/585447/004187_health_care_waste.pdf 		

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Title:	Contaminated Land Remediation	
Syllabus areas	Learning Outcomes <i>The candidate will be able to:</i>	Sources
1. Site Remediation Strategy <ul style="list-style-type: none"> • The options appraisal • The remediation strategy • The Implementation plan • The verification plan • The monitoring and aftercare plan 	1.1 Know the key requirements and role of the options appraisal 1.2 Know the key requirements and role of the remediation strategy 1.3 Know how contaminated land remediation can impact flooding risk and where this is identified within the site remediation strategy 1.4 Know the key requirements and role of the implementation plan 1.5 Know what specific issues the Local Authority and the Regulator will need to ensure is addressed within an implementation plan 1.6 Know the key requirements and role of the verification plan 1.7 Know the key requirements and role of the monitoring and maintenance plan	<ul style="list-style-type: none"> • GOV.UK: Model Procedures for the Management of Land Contamination • Environmental Protection Act 1990 Part 2A • The Water Resources Act 1991 • The Water Resources Act 1991 (Amendment) (England and Wales) Regulations 2009 • Contaminated Land (England) Regulations 2006 • The Contaminated Land (Wales) Regulations 2006 • The Town and Country Planning (Environmental Impact Assessment) Regulations 2011
2. In-situ and ex-situ remediation <ul style="list-style-type: none"> • In-situ and ex-situ remediation • Environmental impacts of in-situ and ex-situ remediation techniques 	2.1 Know the legal definition of waste in relation to remediation of land activities 2.2 Know the definitions of the terms: <ul style="list-style-type: none"> • in-situ remediation • ex-situ remediation 2.3 Know the in-situ remediation technique that may be employed under an Environmental Permit 2.4 Know the reason for choosing a range of remediation techniques 2.5 Know the environmental impacts of in-situ and ex-situ remediation techniques	<ul style="list-style-type: none"> • GOV.UK options appraisal: identifying feasible remediation options. • GOV.UK: Land Contamination Technical Guidance
3. Deployment of mobile plant <ul style="list-style-type: none"> • Scope and timing of Deployment Form 	3.1. Know what an operator working under a mobile plant permit is required to do prior to moving to a new site	<ul style="list-style-type: none"> • GOV.UK - MPP2 Guidance notes – Application for deployment of mobile plant for land and/or groundwater remediation (version 1) • GOV.UK – MPP2 Deployment Form (version 1)

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<ul style="list-style-type: none"> • Deployment Form MPP2 -information required • Management requirements • Notification requirements 	<p>3.2. Know what information the conceptual site model (CSM) should contain when submitting a Deployment Form</p> <p>3.3. Know what aspects of waste acceptance procedures should be covered within a deployment form</p> <p>3.4. Know how to identify authorised treatment technologies when completing a Deployment Form</p> <p>3.5. Know the minimum requirements for attendance by a Technically Competent Manager (TCM) when undertaking an activity subject to a Deployment Form</p> <p>3.6. Know the monitoring requirements to be included in Deployment Form MPP2</p> <p>3.7. Know how long an activity can take place for under a deployment form</p>	<ul style="list-style-type: none"> • GOV.UK - SR2008No27 - Mobile plant for the treatment of soils and contaminated material, substances or products (version 7.1) • GOV.UK – How to comply with your environmental permit (version 6, June 2013)
<p>4. Standard Rules Permits</p> <ul style="list-style-type: none"> • Bunding requirements • Standard Rules Permit (SRP)conditions • Abstraction • Trials 	<p>4.1. Know the minimum volumes required for bunding when storing non-aqueous phase liquid (NAPL), fuels and oils</p> <p>4.2. Know which remediation activities are covered by SR2008 No 27</p> <p>4.3. Know what actions to take if planning a remediation technique which is not permitted by an appropriate Standard Rule Permit</p> <p>4.4. Know the requirements of the SRP relating to records retention and security</p> <p>4.5. Know how a Standard Rule Permit for a mobile plant identifies which waste types can be stored or treated in accordance with the permit</p> <p>4.6. Know the limitations of the “mobile plant permit” with regards to water abstraction and the limit above which abstraction requires a licence or permit</p>	<ul style="list-style-type: none"> • GOV.UK – Storing oil at home or business – how to store, design standards and tank protection. • GOV.UK – storing oil at your business. • Legislation.gov.uk – The Control of Pollution (Oil Storage) (England) Regulations 2001 • Environment Agency - SR2008No27 - Mobile plant for the treatment of soils and contaminated material, substances or products (version 7.1) • Environment Agency - MPP2 Guidance notes – Application for deployment of mobile plant for land and/or groundwater remediation (version 1) • Environment Agency – MPP2 Deployment Form (version 1) • GOV.UK: Model Procedures for the Management of Land Contamination • GOV.UK Water Management: apply for a water abstraction or impoundment licence • Environment Agency – How to comply with your environmental permit (version 6, June 2013)

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<p>5. Waste disposal</p> <ul style="list-style-type: none"> • Landfill • Waste Classification and Acceptance Criteria • Hazardous waste 	<p>5.1 Know what wastes can be sent off-site for disposal in a landfill site</p> <p>5.2 Know what documentation is required for waste disposal in a landfill site</p> <p>5.3 Know what type of laboratory analysis is used to characterise waste soils</p> <p>5.4 Know the Waste Acceptance Criteria for depositing waste soils at an inert landfill</p> <p>5.5 Know how to determine if a waste soil with a mirror entry is hazardous or non-hazardous</p> <p>5.6 Know which Persistent Organic Pollutants (POPs) are considered when determining whether a waste is hazardous or not</p> <p>5.7 Know the information sources which may be needed to determine if a waste has any hazardous properties</p> <p>5.8 Know the Hazard Properties (HP) codes for potentially hazardous wastes and the implications for staff safety</p>	<ul style="list-style-type: none"> • GOV.UK – Waste Acceptance at Landfills (Version 1, Nov 2010) • WRAP – Quality Protocol for the Production of Aggregates from Inert Waste (September 2005) • GOV.UK Waste Classification technical guidance – WM3 • GOV.UK: Land contamination: technical guidance: site characterisation – field and laboratory analysis
<p>6. Environmental risk, monitoring and control</p> <ul style="list-style-type: none"> • Dust, noise, odour • Bioremediation • Groundwater • Spills/leaks • Japanese Knotweed • Control of atmospheric volatile organic compounds (VOC) emissions 	<p>6.1 Know the requirements for managing dust in accordance with Standard Rules and Regulator guidance</p> <p>6.2 Know the requirements for managing any potential odour problems in accordance with Standard Rules and Regulator guidance</p> <p>6.3 Know the requirements for managing any potential noise problems in accordance with Standard Rules and Regulator guidance</p> <p>6.4 Know the noise levels that cause complaint</p> <p>6.5 Know the two field parameters that are monitored during bioremediation</p> <p>6.6 Know the action needed when encountering groundwater during the excavation of contaminated soils</p> <p>6.7 Know what remedial action is necessary if unexpected water flow is experienced during excavations</p>	<ul style="list-style-type: none"> • GOV.UK – Horizontal Guidance – H3 Noise • GOV.UK Environmental Permitting:H4 odour management Environment Agency – MPP2 Deployment Form (version 1) • Environment Agency - MPP2 Guidance notes – Application for deployment of mobile plant for land and/or groundwater remediation (version 1) • GOV.UK – How to comply with your environmental permit • GOV.UK: Land Contamination Technical Guidance • GOV.UK Japanese Knotweed: managing on development sites • GOV.UK The biological control of Japanese Knotweed • GOV.UK Harmful weeds and invasive, non-native plants: prevent them spreading

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	<p>6.8 Know what action is required in the event of a leaking fuel tank in the plant compound</p> <p>6.9 Know what Japanese Knotweed is and how to deal with it</p> <p>6.10 Know the potential adverse effects of atmospheric VOC emissions</p> <p>6.11 Know the minimum requirements for documenting atmospheric VOC emissions</p>	
<p>7. Use of wastes</p> <ul style="list-style-type: none"> • Waste Exemptions • Environmental Permits • WRAP Quality Protocol • CL:AIRE Code of Practice 	<p>7.1 Know the specific use of material under the U1 Waste Exemption</p> <p>7.2 Know the quantity limits under the U1 Waste Exemption</p> <p>7.3 Know the time period for quantity limits under the U1 Waste Exemption</p> <p>7.4 Know the constraint on renewing exemptions</p> <p>7.5 Know the alternatives for use of wastes when exemptions are not available</p> <p>7.6 Know under what circumstances can a waste material from a contaminated land remediation site be consider NOT to be a waste</p>	<ul style="list-style-type: none"> • GOV.UK – U1 Use of Waste in Construction • CL:AIRE Definition of Waste: Development Industry Code of Practice • GOV.UK: Turn your waste into a new non-waste product or material • GOV.UK Quality Protocols: converting waste into non waste

Continuing Competence Syllabus

Title:	END-OF-LIFE VEHICLES (ELV)	
Syllabus areas	Learning Outcomes <i>The candidate will be able to:</i>	Source
<p>1. Scrap Metal Dealers Act 2013</p> <ul style="list-style-type: none"> • Applying for a licence • Register of Licences • Revoking licences • Displaying licences • Verifying suppliers identity • Forms of payment • Keeping records • Offences 	<p>22.6 Know who is responsible for issuing scrap metal licences</p> <p>22.7 Know the difference between a site licence and a collectors licence</p> <p>22.8 Know the definition of a 'suitable person' in terms of applying for a site licence</p> <p>22.9 Know how long a licence is valid for</p> <p>22.10 Know the circumstances under which a licence can be revoked or conditions imposed</p> <p>22.11 Know the conditions that may be imposed on a licence</p> <p>22.12 Know the information required for the Register of Licences</p> <p>22.13 Know who to notify when a licence is no longer required, and by when</p> <p>22.14 Know where site licences and collectors licences must be displayed</p> <p>22.15 Know what information is required to verify a supplier's identity</p> <p>22.16 Know what forms of payment are acceptable when paying for end of life vehicles</p> <p>22.17 Know what records must be kept when receiving and disposing of end of life vehicles</p> <p>22.18 Know how long records for receipt/disposal of end of life vehicles should be kept for</p> <p>22.19 Know the offences under the Scrap Metal Dealers Act 2013</p>	<ul style="list-style-type: none"> • Scrap Metal Dealers Act 2013 • Scrap Metal Dealers Act 2013 – Explanatory Notes • Scrap Metal Dealers Act 2013 supplementary guidance • Scrap Metal Dealers Register
<p>2. Certificates of Destruction</p> <ul style="list-style-type: none"> • Information required • Record keeping 	<p>23.1 Know what information is required about the holder/owner of the vehicle when completing a Certificate of Destruction</p> <p>23.2 Know what information is required about the vehicle when completing a Certificate of Destruction</p>	<ul style="list-style-type: none"> • The End of Life Vehicles Regulations 2003 • The End of Life Vehicles Regulations 2003 – schedule 3 minimum requirements for destruction • GOV.UK End of Life Vehicles: guidance for waste sites

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<p>24. Handling Petrol</p> <ul style="list-style-type: none"> • Depollution • Dangerous Substances and Explosive Atmospheres Regulations (DSEAR) 	<p>24.1 Know the procedure for removing fuel from a fuel tank</p> <p>24.2 Know why the battery is removed before the fuel tank is depolluted</p> <p>24.3 Know the health and safety requirements for assessing the risk of fire and explosion when storing or handling petrol</p> <p>24.4 Know how to ensure safe working in areas designated as ‘hazard areas’ in accordance with DSEAR</p> <p>24.5 Know how to exclude ignition sources from a hazard area</p>	<ul style="list-style-type: none"> • GOV.UK - Depolluting End of Life Vehicles (Cars and Light Goods Vehicles): Guidance for Authorised Treatment Facilities (March 2011) • HSE – The safe recovery of petrol from end of life vehicle (published 07/15)
<p>25. Depollution</p> <ul style="list-style-type: none"> • Best Practice guidelines 	<p>25.1 Know the depollution sequence outlined in the Depollution Guidance for Authorised Treatment Facilities</p> <p>25.2 Know the time delays, procedures and safety measures for airbag detonation</p> <p>25.3 Know the procedures for:</p> <ul style="list-style-type: none"> – Draining and removal of engine oil, – Draining gearbox transmission oil, – Removing brake and screen waste fluid, – Removing antifreeze and air conditioning refrigerants <p>25.4 Know where transmission and hydraulic oils are located</p> <p>25.5 Know how to deal with shock absorbers and catalytic converters</p> <p>25.6 Know the procedures an ATF should follow when removing LPG tanks</p> <p>25.7 Know the requirements for dealing with F Gas when disposing of air conditioning units from vehicles</p>	<ul style="list-style-type: none"> • GOV.UK - Depolluting End of Life Vehicles (Cars and Light Goods Vehicles): Guidance for Authorised Treatment Facilities (March 2011) • GOV.UK End of Life Vehicles: guidance for waste sites • GOV.UK F Gas requirements for air conditioners in cars and other vehicles • BIS – Removal of LPG Tanks: Guidance(April 2011)
<p>26. Site infrastructure / Storage areas</p> <ul style="list-style-type: none"> • Specific requirements for different waste types • Requirements for storage areas 	<p>5.1 Know the surface and drainage requirements for storing:</p> <ul style="list-style-type: none"> – Liquids – Contaminated materials – Hazardous waste <p>5.2 Know the storage conditions for lead-acid batteries</p> <p>5.3 Know the storage conditions for un-depolluted vehicles</p> <p>5.4 Know the minimum requirements for the separate storage of fluids removed from end of life vehicles</p> <p>5.5 Know the minimum requirements for the storage of uncontaminated:</p> <ul style="list-style-type: none"> – Plastics – Glass 	<ul style="list-style-type: none"> • Environment Agency – Standard Rules Permit SR2008No20_75kte: Vehicle Storage, Depollution and dismantling (authorised treatment) facility(June 2012, V5.0) • Environment Agency – Standard Rules Permit SR2011No3: Vehicle Storage, Depollution and dismantling (authorised treatment) facility(June 2013 V3.0) • Environment Agency – Standard Rules Permit SR2012 No14 Metal recycling, vehicle storage depollution and dismantling facility. • Environmental Permitting Regulations – Schedule 11 Waste Motor Vehicles • GOV.UK - Depolluting End of Life Vehicles (Cars and Light Goods

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	<ul style="list-style-type: none"> - Ferrous - Non-ferrous metal waste <p>5.6 Know the minimum requirements for checking, storing and maintaining containers of polluting liquids</p>	<ul style="list-style-type: none"> • Vehicles): Guidance for Authorised Treatment Facilities(March 2011) • How to Comply with your Environmental Permit
<p>27. Hazardous Waste</p> <ul style="list-style-type: none"> • Types of hazardous waste, • Recognition of hazardous waste using EWC • Hazardous waste consignment 	<p>27.1 Know the wastes classified as hazardous from end of life vehicle treatment</p> <p>27.2 Know how to identify a hazardous wastes from the correct List of Wastes (EWC) codes</p> <p>27.3 Know how to use guidance to identify the hazardous properties of waste</p> <p>27.4 Know how long to keep hazardous wastes consignment notes</p> <p>27.5 Know the paperwork needed for the disposal of hazardous waste</p> <p>27.6 Know the frequency of returns to the Regulator made by a consignee of hazardous waste</p>	<ul style="list-style-type: none"> • Environment Agency – Technical Guidance WM3: Hazardous Waste(1st edition, 2015) • Environment Agency – Move hazardous waste • Environment Agency – Hazardous Waste – Producers and Holders • Environment Agency – Technical Guidance WM3: Hazardous Waste(1st edition, 2015)
<p>28. Export of Waste</p>	<p>28.1 Know the restrictions and controls relating to export of end of life vehicle waste outside of the UK</p>	<ul style="list-style-type: none"> • Gov.UK Waste: Import and Export
<p>Additional Sources of information:</p> <ul style="list-style-type: none"> • The Motor Vehicle Dismantlers Association (MVDA): www.mvda.org.uk • British Metals Recycling Association (BMRA): www.recyclemetals.org • British Vehicle Salvage Federation (BVSF): www.bvsf.org.uk 		

Continuing Competence Syllabus

Title:	LAND SPREADING (LSNHW)	
Syllabus Areas	Learning Outcomes	Sources
	<i>The candidate will be able to:</i>	
1. Waste acceptance <ul style="list-style-type: none"> • Waste acceptance • Transfer Notes • Non-compliant waste 	28.2 Know how to determine the suitability of waste for spreading in accordance with permit conditions 28.3 Know the onsite waste acceptance procedures and checks 28.4 Know the actions required when non-conforming wastes are identified 28.5 Know the information required on a Waste Transfer Note 28.6 Know who is responsible for characterising waste 28.7 Know the actions to take if you need to spread waste that is not listed in the standard rules	<ul style="list-style-type: none"> • How to Comply with Your Environmental Permit (V6.0, June 2013) • How to comply with your Landspreading Permit (v2 2013) • Duty of Care • Waste Transfer Notes • Standard Rules/ permitting • SRP 2010 No. 4 (v3) Mobile Plant for Landspreading (land treatment resulting in benefit to agriculture or ecological improvement) • SRP 2010 No. 6 (v2) Mobile Plant for Landspreading of sewage sludge (land treatment resulting in benefit) • LPD1 Application for Deployment • LPD1 Guidance notes – Application Deployment
29. Storage requirements for waste materials to be spread to land <ul style="list-style-type: none"> • Storage requirements • Water and rainfall • Site infrastructure • Drainage requirements • Lagoons and containers 	2.1 Know the storage requirements for waste materials which will be spread to land 2.2 Know the procedures for minimising pollution during storage of waste materials to be spread to land 2.3 Know the procedures for checking odour emissions from stored waste materials are within Permit limits 2.4 Know the control measures to put in place if emissions exceed permitted limits or are not controlled by set limits 2.5 Know the requirements for a sealed drainage system with an impermeable surface 2.6 Know the requirements for a secondary containment systems for liquid waste 2.7 Know how field drainage systems can affect the impact of watercourse contamination and how it can be controlled 2.8 Know the maximum capacities and freeboard of lagoons and containers	<ul style="list-style-type: none"> • EA Guidance - H4 – Odour Management • How to Comply with Your Environmental Permit (V6.0, June 2013) • How to comply with your Landspreading Permit (v2 2013) • SRP 2010 No. 4 (v3) Mobile Plant for Landspreading (land treatment resulting in benefit to agriculture or ecological improvement) • SRP 2010 No. 6 (v2) Mobile Plant for Landspreading of sewage sludge (land treatment resulting in benefit) • Environment Agency – PPG 2 Above ground oil storage tanks • GOV.UK Duty of Care – Store waste correctly
3 Quality assuring the deployment process	3.1 Know the procedure for gaining approval to enable deployment to spread waste to land	<ul style="list-style-type: none"> • LPD1 Application for Deployment • LPD1 Guidance notes – Application Deployment

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<ul style="list-style-type: none"> • Approval process • Deployment • Benefits of landspreading • Activity specific risks • Location plans 	<p>3.2 Know the benefit associated with spreading waste to the land</p> <p>3.3 Know the requirements of an effective Environmental Management System (EMS)</p> <p>3.4 Know why a site specific risk assessment may be required when spreading waste to land</p> <p>3.5 Know the control measures used to mitigate risks when spreading waste to land</p> <p>3.6 Know what information is required on a location plan</p> <p>3.7 Know what to do if any changes to the deployment are required</p>	<ul style="list-style-type: none"> • How to Comply with Your Environmental Permit (V6.0, June 2013) • How to comply with your Landspreading Permit (v2 2013)
<p>4. Environmental protection requirements for landspreading</p> <ul style="list-style-type: none"> • Control of pests • Handling spillages • Odour control • Alternative techniques of spreading to land • Record keeping 	<p>4.1. Know the procedures for managing pests and scavengers during landspreading to minimise nuisance</p> <p>4.2. Know the procedures for managing odour during landspreading in accordance with an odour management plan</p> <p>4.3. Know the procedures for handling spillages on site</p> <p>4.4. Know the record keeping requirements for land spreading data</p> <p>4.5. Know the main features, benefits and risks of the different spreading techniques available</p>	<ul style="list-style-type: none"> • H4 – Odour Management • How to Comply with Your Environmental Permit (V6.0, June 2013) • Environment Agency – PPG 22 – Dealing with Spills • Environment Agency – PPG1 Understanding your Environmental Responsibilities • SRP 2010 No. 4 (v3) Mobile Plant for Landspreading (land treatment resulting in benefit to agriculture or ecological improvement) • SRP 2010 No. 6 (v2) Mobile Plant for Landspreading of sewage sludge (land treatment resulting in benefit) • GOV.UK How to comply with your Landspreading Permit • Environment Agency – PPG 22 – Dealing with Spills • Horizontal Guidance for Noise Part 2 – Noise Assessment and Control
<p>Important Information:</p> <p>Please note: the information and web links in this document are correct at the time of publication. Although every reasonable effort is made to present current and accurate information, WAMITAB makes no guarantees of any kind. In no event shall WAMITAB be responsible or liable, directly or indirectly, for any damage or loss caused or alleged to be caused by or in connection with the use of or reliance on any such content, goods, or services available on or through any such site or resource. If you come across any broken links please would you advise us via info.admin@wamitab.org.uk</p>		

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Title:	LANDFILL: CLOSED (LC)	
Syllabus areas	Learning Outcomes <i>The candidate will be able to:</i>	Source
1. Background and legislation	29.1 Know the legislation relevant to landfill management during aftercare for sites that closed; <ul style="list-style-type: none"> – Prior to July 2001 – After July 2001 29.2 Know the importance and content of a site specific, written management system 29.3 Know the principles of financial provisions for landfill and how it applies during aftercare	<ul style="list-style-type: none"> • GOV.UK: Understanding the landfill Directive • Landfill: How to comply with your environmental permit – additional guidance • GOV.UK: Financial provision for landfill
2. Site engineering	2.1 Know the principles of ‘containment’ 2.2 Know the principle elements of any capping system and how to maintain it 2.3 Know the elements of site construction that require Regulator approval	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/our-approach-to-landfill-engineering-lfe1 • https://www.gov.uk/government/collections/environmental-permitting-landfill-sector-technical-guidance • Landfill: How to comply with your environmental permit – additional guidance • GOV.UK: Understanding the landfill Directive
3. Landfill gas	3.1 Know why landfill gas management is important during aftercare 3.2 Know the actions to take if a perimeter borehole contains methane above a compliance limit 3.3 Know what data should be recorded for each gas monitoring point 3.4 Know why landfill gas must be utilised	<ul style="list-style-type: none"> • GOV.UK - LFTGNo3: Guidance on the management of landfill gas • GOV.UK – LFTGNo4: Guidance on the monitoring of trace components in landfill gas
4. Leachate	4.1 Know why leachate levels must be maintained below a limit 4.2 Know the actions to take if the site has: <ul style="list-style-type: none"> – Leachate above control levels – If a breach of compliance limit occurs 4.3 Know the principles of leachate treatment and the associated pollution risks	<ul style="list-style-type: none"> • Environment Agency – TGN02 Monitoring landfill leachate, groundwater and surface water • Gov.UK Horizontal Guidance Note H1 – Annex J3 – Hydrogeological risk assessment for landfills • Landfill: How to comply with your environmental permit – additional guidance • GOV.UK – LFTGN02: guidance on monitoring of landfill leachate, groundwater and surface water.

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	<p>4.4 Know what a leachate re-circulation system needs to achieve</p> <p>4.5 Know the infrastructure needed to support leachate re-circulation</p> <p>4.6 Know what precautions need to be taken to recirculate leachate</p> <p>4.7 Know the information required in a hydrogeological risk assessment</p>	
5. Aftercare monitoring	<p>5.1 Know the implications of standing water on a capping system</p> <p>5.2 Know why it is important to keep an up to date site closure, aftercare plan and closure report</p> <p>5.3 Know why it is important to monitor in and around a closed landfill</p> <p>5.4 Know the difference between monitoring for compliance and operational performance</p>	<ul style="list-style-type: none"> • Gov.UK Horizontal Guidance Note H1 – Annex J3 – Hydrogeological risk assessment for landfills • Environment Agency – Additional Guidance for Landfill (EPR 5.02) and other permanent deposits of waste: How to surrender your environmental permit (Version 2, issued 13/12/2012) • GOV.UK: Understanding the landfill Directive
6 Records and reports	<p>6.1 Know what records must be kept and for how long</p> <p>6.2 Know what records need to be submitted to the regulator and at what frequency</p> <p>6.3 Know the ‘notifications’ requirement of permits</p>	<ul style="list-style-type: none"> • Landfill: How to comply with your environmental permit – additional guidance
7 Permit surrender	<p>7.1 Know the permit surrender process and data requirements</p>	<ul style="list-style-type: none"> • Environment Agency – Additional Guidance for Landfill (EPR 5.02) and other permanent deposits of waste: How to surrender your environmental permit (Version 2, issued 13/12/2012)

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Title:	LANDFILL: HAZARDOUS WASTE (LH)	
Syllabus areas	Learning Outcomes	Source
	<i>The candidate will be able to:</i>	
1. Background and Legislation <ul style="list-style-type: none"> • Legislation • Management system • Finance 	29.4 Know the legislation relevant to landfill: <ul style="list-style-type: none"> - Design - Construction - Operation - Closure - Aftercare 29.5 Know what is included in a site specific, written management system 29.6 Know the principles of financial provision for landfill 29.7 Know when to undertake a financial provision assessment 29.8 Know the timeframe and financial costs for the aftercare period according to guidance	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/understanding-the-landfill-directive-lfd-1 • https://www.gov.uk/government/publications/landfill-sector-technical-guidance • https://www.gov.uk/government/publications/financial-provision-for-landfill
2. Site engineering	2.1 Know the principles of ‘containment’ 2.2 Know the characteristics of liner and capping designs 2.3 Know the elements of site construction which require Regulator approval	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/our-approach-to-landfill-engineering-lfe1 • https://www.gov.uk/government/collections/environmental-permitting-landfill-sector-technical-guidance
3 Waste acceptance	3.1 Know how waste acceptance procedures and criteria apply to hazardous waste landfills 3.2 Know which wastes are banned from landfill and when to reject wastes 3.3 Know how to determine that a waste is liquid 3.4 Know the standards required for accepting asbestos 3.5 Know the requirements for on-site verification and sampling of waste received 3.6 Know how to identify if a waste is hazardous or not. 3.7 Know the Information required on a hazardous waste consignment note.	<ul style="list-style-type: none"> • GOV UK Waste Acceptance at landfills • Technical Guidance WM3: Waste Classification – guidance on the classification and assessment of waste. • GOV.UK – Hazardous waste: consignment note-supplementary guidance
4 Pollution sources – Landfill gas	4.1 Know the principle reasons why landfill gas management is important 4.2 Know what elements should be covered in a landfill gas management plan 4.3 Know what should be included in a landfill gas monitoring and sampling plan	<ul style="list-style-type: none"> • GOV.UK Environmental Permitting: Landfill sector technical guidance • GOV.UK – Guidance on the management of landfill gas, LFTGN03

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	<p>4.4 Know the actions to take if a perimeter borehole contains landfill gas components (methane, CO₂) at a range of levels including above a compliance limit</p> <p>4.5 Know what data should be recorded for each gas monitoring point</p> <p>4.6 Know why landfill gas must be utilised</p> <p>4.7 Know why it is important to control landfill gas and manage gas field balancing</p>	<ul style="list-style-type: none"> • GOV.UK – Landfill: How to comply with your permit: Additional guidance • GOV.UK LFTGN04: guidance for monitoring trace components in landfill gas.
<p>5 Pollution sources - leachate</p>	<p>5.1 Know the requirements for managing leachate</p> <p>5.2 Know why leachate levels must be maintained below a limit</p> <p>5.3 Know the procedures for dealing with leachate above control levels and if a breach of compliance limit occurs</p> <p>5.4 Know the principles of leachate treatment and the associated pollution risks</p> <p>5.5 Know the requirements for a leachate re-circulation system including the infrastructure and precautions</p>	<ul style="list-style-type: none"> • Gov.UK: Guidance for the treatment of landfill leachate • GOV.UK LFTGN02: guidance on monitoring of landfill leachate, groundwater and surface water • GOV.UK – Landfill: How to comply with your permit: Additional guidance • GOV.UK Hydrogeological risk assessment for landfill • Environment Agency - Horizontal guidance Note H1 - Annex J 3. Additional guidance for hydrogeological risk assessments for landfills and the derivation of groundwater control levels and compliance limits (version 2.1, December 2011) • Waste Acceptance at Landfills
<p>6 Control of amenity emissions</p> <ul style="list-style-type: none"> • Litter, mud and fire • Noise, dust, odour 	<p>6.1 Know what actions to take to control litter and when to use these controls</p> <p>6.2 Know the control measures for reducing the risk of fires on site</p> <p>6.3 Know the procedures for dealing with fires on site</p> <p>6.4 Know how to prevent mud and other debris from contaminating the public highway</p> <p>6.5 Know the procedures for dealing with noise, dust, odours and other nuisance arising from the site</p>	<ul style="list-style-type: none"> • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) • https://www.gov.uk/government/publications/landfill-sector-technical-guidance • Environment Agency – Review and Investigation of deep-seated fires within landfill sites.
<p>7 General landfill management activities</p> <ul style="list-style-type: none"> • Stability • Settlement/ Compaction • Vehicle management • Cover 	<p>7.1 Know how and where stability of the landfill may be a problem and what the recommendations for managing stability are</p> <p>7.2 Know how to manage vehicles on landfill sites, including articulated vehicles, in line with WISH/HSE guidance</p> <p>7.3 Know why it is important to cover waste with suitable materials</p> <p>7.4 Know what is meant by the terms ‘settlement’ and ‘compaction’ within a landfill</p>	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/landfill-sector-technical-guidance • HSE – Workplace transport safety (published 05/13) • Environment Agency - LFE6: Guidance on using landfill cover materials • Environment Agency – How to comply with your

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<ul style="list-style-type: none"> Restoration 	<p>7.5 Know how settlement and compaction can impact:</p> <ul style="list-style-type: none"> the restoration plan the gas/ leachate management <p>7.5 Know the requirements for establishing and maintaining a network of stable, permanent survey control stations</p> <p>7.6 Know the types of waste that might damage landfill liners and restoration layers</p>	<ul style="list-style-type: none"> Environmental Permit (Version 6, June 2013) Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) HSE: Guidance – Vehicle movements HSE: Safe Transport in the waste and recycling industry
<p>8. Groundwater and surface water monitoring</p>	<p>8.1 Know the need for groundwater and surface water monitoring in and around a landfill</p> <p>8.2 Know the difference between monitoring for operational performance and permit compliance limits and subsequent actions</p>	<ul style="list-style-type: none"> https://www.gov.uk/government/publications/monitoring-of-landfill-leachate-groundwater-and-surface-water-lftgn-02 Environment Agency - Horizontal guidance Note H1 - Annex J 3. Additional guidance for hydrogeological risk assessments for landfills and the derivation of groundwater control levels and compliance limits (version 2.1, December 2011) Environment Agency – How to comply with your environmental permit. V6 Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009)
<p>9 Records and reports</p>	<p>9.1 Know what records must be kept, for how long and when they might need to be submitted to a Regulator</p> <p>9.2 Know when and how notification to the Regulator is required</p> <p>9.3 Know the requirements for hazardous waste consignment returns to the Regulators and Producers</p>	<ul style="list-style-type: none"> Environment Agency – How to comply with your environmental permit. V6 Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) GOV.UK Hazardous waste: returns – supplementary guidance
<p>10 Landfill closure and aftercare</p>	<p>10.1 Know the requirements and content for an up to date closure and aftercare plan (including monitoring)</p> <p>10.2 Know the requirements for definite closure of all or part of a site, including restoration prior to entering the aftercare phase</p> <p>10.3 Know what the general requirements are for demonstrating standard permit surrender criteria have been met</p>	<ul style="list-style-type: none"> https://www.gov.uk/government/publications/understanding-the-landfill-directive-lfd-1 GOV.UK – How to surrender your Environmental Permit: landfill Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009)
<p>11. Landfill specific Health and Safety</p>	<p>11.1 Know what Dangerous Substances or areas of explosive atmospheres may exist on a landfill site</p>	<ul style="list-style-type: none"> HSE: Dangerous Substances Explosive Atmospheres Regulations

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<ul style="list-style-type: none"> • DSEAR • Fire • Vibration 	<p>11.2 Know what should be identified within a Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) risk assessment for a landfill site</p> <p>11.3 Know the operator responsibilities in relation to Area Classification and marking of zones</p> <p>11.4 Know how to control ignition sources in order to reduce fire risk on a landfill site</p> <p>11.5 Know what training and information is required for employees and contractors in relation to Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR)</p> <p>11.6 Know the control measures for reducing the impact of whole body vibration as a result of driving vehicles on landfill sites</p>	<ul style="list-style-type: none"> • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) • HSE: Landfill fires – controlling the risk
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Title:	LANDFILL: INERT WASTE (LIN)	
Syllabus areas	Learning Outcomes	Source
	<i>The candidate will be able to:</i>	
1. General/ background <ul style="list-style-type: none"> • Legislation • Management system • Finances 	29.9 Know the legislation relevant to landfill: <ul style="list-style-type: none"> - Design - Construction - Operation - Closure - Aftercare 29.10 Know what is included in a site specific, written management system 29.11 Know the principles of financial provision for landfill 29.12 Know when to undertake a financial provision assessment 29.13 Know the timeframe and financial costs for the aftercare period according to guidance	<ul style="list-style-type: none"> • GOV.UK LFD1 Understanding the Landfill Directive • GOV.UK Landfill: how to comply with your environmental permit – additional guidance • GOV.UK Financial provision for landfill
30. Site engineering	2.1 Know the principles of ‘attenuation’ 2.2 Know why a geological barrier is required 2.3 Know the elements of site construction that require Regulator approval	<ul style="list-style-type: none"> • GOV.UK LFE1 Our Approach to Landfill Engineering • GOV.UK Environmental Permitting – Landfill sector technical guidance • GOV.UK Landfill: how to comply with your environmental permit – additional guidance
31. Waste acceptance	3.1 Know what inert waste is (in accordance with the Landfill Directive definition) 3.2 Know the waste acceptance procedures and criteria that apply to inert waste landfills, including; <ul style="list-style-type: none"> • Waste acceptable without testing • Waste that must be tested • Technically Feasible • Landfill gas risk assessment 3.3 Know which wastes are banned from landfill and when to reject waste 3.4 Know how to determine that a waste is a liquid	<ul style="list-style-type: none"> • Environment Agency – Waste acceptance at landfills (version 1, November 2010) • COUNCIL DECISION of 19 December 2002: establishing criteria and procedures for the acceptance of waste at landfills pursuant to Article 16 of and Annex II to Directive 1999/31/EC • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) • Environment Agency – How to comply with your Environmental Permit (Version 6, June 2013) • Environment Agency – Guidance on the Management of Landfill Gas

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	3.5 Know the requirements of on site verification and sampling of waste received	
4. Control of amenity emissions <ul style="list-style-type: none"> • Mud • Noise • Dust • Odour 	4.1 Know how to prevent mud and other debris from contaminating the public highway 4.2 Know the procedures for dealing with noise, dust, odours and other nuisance arising from the site	<ul style="list-style-type: none"> • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009)
5. General Landfill Management activities <ul style="list-style-type: none"> • Vehicle management • Surface water management • Restoration • Stable survey points 	5.1 Know how to manage vehicles on a landfill site in line with WISH/HSE guidance 5.2 Know the implications of ‘settlement’ and ‘compaction’ within a landfill and the impact on restoration 5.3 Know the key indicators of surface water pollution from an inert landfill site 5.4 Know how to manage surface water arising within the site 5.5 Know the requirement for discharge controls 5.5 Know the requirements for establishing and maintaining a network of stable, permanent survey control stations	<ul style="list-style-type: none"> • HSE – Workplace transport safety (published 05/13) • HSE: Safe transport in the waste and recycling industry • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) • GOV.UK LFD1 Understanding the Landfill Directive • Environment Agency – LFGTGN 02 Monitoring of landfill leachate, groundwater and surface water. • Environment Agency (archive) – Environmental Permitting Regulations: Inert Waste Guidance - cut and paste the following link: http://webarchive.nationalarchives.gov.uk/20140328084622/http://cdn.environment-agency.gov.uk/geho0509bpwj-e-e.pdf
6. Monitoring	6.1 Know the requirements for monitoring in and around an inert landfill 6.2 Know the difference between monitoring for compliance and operational performance 6.3 Know when landfill gas monitoring and assessment may be required for an inert landfill site	<ul style="list-style-type: none"> • Environment Agency – LFGTGN 02 Monitoring of landfill leachate, groundwater and surface water. • Environment Agency (archive) – Environmental Permitting Regulations: Inert Waste Guidance - cut and paste the following link: http://webarchive.nationalarchives.gov.uk/20140328084622/http://cdn.environment-agency.gov.uk/geho0509bpwj-e-e.pdf • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009)
7. Records and reports	7.1 Know what records must be kept and for how long. 7.2 Know what records must be submitted to the Regulator and how frequently 7.3 Know the ‘notifications requirements of permits	<ul style="list-style-type: none"> • GOV.UK How to comply with your environmental permit • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009)
8 Landfill closure and aftercare	8.1 Know why it is important to have an up to date closure and aftercare plan	<ul style="list-style-type: none"> • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009)

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	8.2 Know the procedure for progressing a landfill through definite closure to aftercare	<ul style="list-style-type: none">• GOV.UK Understanding the Landfill Directive LFD 1
<u>Additional Sources of information:</u>		

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Title:	LANDFILL: NON-HAZARDOUS WASTE (LNH)	
Syllabus areas	Learning Outcomes <i>The candidate will be able to:</i>	Source
1. Background and Legislation <ul style="list-style-type: none"> • Legislation • Management system • Finance 	31.1 Know the legislation relevant to landfill: <ul style="list-style-type: none"> - Design - Construction - Operation - Closure - Aftercare 31.2 Know what is included in a site specific, written management system 31.3 Know the principles of financial provision for landfill 31.4 Know when to undertake a financial provision assessment 31.5 Know the timeframe and financial costs for the aftercare period according to guidance	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/understanding-the-landfill-directive-lfd-1 • https://www.gov.uk/government/publications/landfill-sector-technical-guidance • https://www.gov.uk/government/publications/financial-provision-for-landfill
3. Site engineering	3.1 Know the principles of 'containment' 2.2 Know the characteristics of liner and capping designs 3.3 Know the elements of site construction which require Regulator approval	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/our-approach-to-landfill-engineering-lfe1 • https://www.gov.uk/government/collections/environmental-permitting-landfill-sector-technical-guidance
3 Waste acceptance	3.1 Know how waste acceptance procedures and criteria apply to non-hazardous waste landfills 3.2 Know which wastes are banned from landfill and when to reject wastes 3.3 Know how to determine that a waste is liquid 3.4 Know the standards required for accepting: <ul style="list-style-type: none"> - Stable non-reactive hazardous waste - Gypsum 	<ul style="list-style-type: none"> • GOV UK Waste Acceptance at landfills • Technical Guidance WM3: Waste Classification – guidance on the classification and assessment of waste. • GOV.UK – Hazardous waste: consignment note- supplementary guidance

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	<p>– Asbestos</p> <p>3.5 Know the requirements for on site verification and sampling of waste received</p>	
4 Pollution sources - Landfill gas	<p>4.1 Know the principle reasons why landfill gas management is important</p> <p>4.2 Know what elements should be covered in a landfill gas management plan</p> <p>4.3 Know what should be included in a landfill gas monitoring and sampling plan</p> <p>4.4 Know the actions to take if a perimeter borehole contains landfill gas components (methane, CO₂) at a range of levels including above a compliance limit</p> <p>4.5 Know what data should be recorded for each gas monitoring point</p> <p>4.6 Know why landfill gas should be collected, utilised and treated</p> <p>4.7 Know why it is important to control of landfill gas and manage gas field balancing</p>	<ul style="list-style-type: none"> • GOV.UK Environmental Permitting: Landfill sector technical guidance • GOV.UK – Guidance on the management of landfill gas, LFTGN03 • GOV.UK – Landfill: How to comply with your permit: Additional guidance • GOV.UK LFTGN04: guidance for monitoring trace components in landfill gas.
5 Pollution sources - leachate	<p>5.1 Know the requirements for managing leachate</p> <p>5.2 Know why leachate levels must be maintained below a limit</p> <p>5.3 Know the procedures for dealing with leachate above control levels and if a breach of compliance limit occurs</p> <p>5.4 Know the principles of leachate treatment and the associated pollution risks</p> <p>5.5 Know the requirements for a leachate re-circulation system including infrastructure and precautions</p> <p>5.6 Know what information should be in a hydrogeological risk assessment</p>	<ul style="list-style-type: none"> • Gov.UK: Guidance for the treatment of landfill leachate • GOV.UK LFTGN02: guidance on monitoring of landfill leachate, groundwater and surface water • GOV.UK – Landfill: How to comply with your permit: Additional guidance • GOV.UK Hydrogeological risk assessment for landfill • Environment Agency - Horizontal guidance Note H1 - Annex J 3. Additional guidance for hydrogeological risk assessments for landfills and the derivation of groundwater control levels and compliance limits (version 2.1, December 2011) • Waste Acceptance at Landfills

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<p>6 Control of amenity emissions</p> <ul style="list-style-type: none"> • Litter, mud and fire • Noise, dust, odour 	<p>7.1 Know what actions to take to control litter and when to use these controls</p> <p>7.2 Know the control measures for reducing the risk of fires on site</p> <p>7.3 Know the procedures for dealing with fires on site</p> <p>7.4 Know how to prevent mud and other debris from contaminating the public highway</p> <p>7.5 Know the procedures for dealing with noise, dust, odours and other nuisance arising from the site</p>	<ul style="list-style-type: none"> • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) • https://www.gov.uk/government/publications/landfill-sector-technical-guidance • Environment Agency – Review and Investigation of deep-seated fires within landfill sites.
<p>7 General landfill management activities</p> <ul style="list-style-type: none"> • Stability • Settlement/ Compaction • Vehicle management • Cover • Restoration 	<p>7.1 Know how and where stability of the landfill may be a problem and what the recommendations for managing stability are</p> <p>7.2 Know how to manage vehicles on landfill sites, including articulated vehicles, in line with WISH/HSE guidance</p> <p>7.3 Know why it is important to cover waste with suitable materials</p> <p>7.4 Know the implications of ‘settlement’ and ‘compaction’ within a landfill</p> <p>7.5 Know how settlement and compaction can impact:</p> <ul style="list-style-type: none"> – the restoration plan – the gas/ leachate management <p>7.6 Know the requirements for establishing and maintaining a network of stable, permanent survey control stations</p> <p>7.7 Know the types of waste that might damage landfill liners and restoration layers</p>	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/landfill-sector-technical-guidance • HSE – Workplace transport safety (published 05/13) • Environment Agency - LFE6: Guidance on using landfill cover materials • Environment Agency – How to comply with your Environmental Permit (Version 6, June 2013) • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) • HSE: Guidance – Vehicle movements • HSE: Safe Transport in the waste and recycling industry
<p>8 Ground water and surface water monitoring</p>	<p>8.1 Know the need for ground water and surface water monitoring in and around a landfill</p> <p>8.2 Know the difference between monitoring for operational performance and permit compliance limits and subsequent actions</p>	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/monitoring-of-landfill-leachate-groundwater-and-surface-water-lftgn-02 • Environment Agency - Horizontal guidance Note H1 - Annex J 3. Additional guidance for hydrogeological risk assessments for landfills and the derivation of groundwater control levels and compliance limits (version 2.1, December 2011)

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		<ul style="list-style-type: none"> • Environment Agency – How to comply with your environmental permit. V6 • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009)
8 Records and reports	<p>9.1 Know what records must be kept, for how long and when they may need to be submitted to the regulator.</p> <p>9.2 Know when and how notification to the Regulator is required.</p>	<ul style="list-style-type: none"> • Environment Agency – How to comply with your environmental permit. V6 • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) • GOV.UK Hazardous waste: returns – supplementary guidance
9 Landfill closure and aftercare	<p>10.1 Know the requirements and content for an up to date closure and aftercare plan (including monitoring)</p> <p>10.2 Know the requirements for definite closure of all or part of a site, including restoration prior to entering the aftercare phase</p> <p>10.3 Know what the general requirements are for demonstrating standard permit surrender criteria have been met</p>	<ul style="list-style-type: none"> • https://www.gov.uk/government/publications/understanding-the-landfill-directive-lfd-1 • GOV.UK – How to surrender your Environmental Permit: landfill • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009)
11 Health and Safety	<p>11.1 Know what Dangerous Substances or areas of explosive atmospheres may exist on a landfill site</p> <p>11.2 Know what should be identified within a Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) risk assessment for a landfill site</p> <p>11.3 Know the operator responsibilities in relation to Area Classification and marking of zones</p> <p>11.4 Know how to control ignition sources in order to reduce fire risk on a landfill site</p> <p>11.5 Know what training and information is required for employees and contractors in relation to Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR)</p> <p>11.6 Know the control measures for reducing the</p>	<ul style="list-style-type: none"> • HSE: Dangerous Substances Explosive Atmospheres Regulations • Environment Agency – How to comply with your environmental permit: Additional guidance for Landfill (EPR5.02) (March 2009) • HSE: Landfill fires – controlling the risk • http://www.hse.gov.uk/vibration/wbv/risks.htm
<ul style="list-style-type: none"> • DSEAR • Fire • Vibration 		

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	impact of whole body vibration as a result of driving vehicles on landfill sites	
<u>Additional Sources of information:</u>		

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Title:	METAL RECYCLING SITES (MRS)	
Syllabus areas	Learning Outcomes	Sources
<p>3. Scrap Metal Dealers Act 2013</p> <ul style="list-style-type: none"> • Applying for a licence • Register of Licences • Revoking licences • Displaying licences • Verifying suppliers identity • Forms of payment • Keeping records • Offences 	<p><i>The candidate will be able to:</i></p> <p>31.6 Know who is responsible for issuing scrap metal licences</p> <p>31.7 Know the difference between a site licence and a collectors licence</p> <p>31.8 Know the definition of a ‘suitable person’ when applying for a site licence</p> <p>31.9 Know how long a licence is valid for</p> <p>31.10 Know under what circumstances a licence can be revoked or conditions imposed</p> <p>31.11 Know the conditions that may be imposed on a licence</p> <p>31.12 Know the information required for the Register of Licences</p> <p>31.13 Know who to notify when a licence is no longer required, and by when</p> <p>31.14 Know where site licences and collectors licences must be displayed</p> <p>31.15 Know what information is required to verify a supplier’s identity</p> <p>31.16 Know what forms of payment are acceptable when paying for scrap metal</p> <p>31.17 Know what records must be kept when receiving metal and disposing of metal</p> <p>31.18 Know how long records for receipt/disposal of metal should be kept for</p> <p>31.19 Know the offences under the Scrap Metal Dealers Act 2013</p>	<ul style="list-style-type: none"> • Scrap Metal Dealers Act 2013 • Scrap Metal Dealers Act 2013 – Explanatory Notes
<p>2 Management and Storage</p> <ul style="list-style-type: none"> • Discharge of surface water • Standard Rules Permit (SRP) 	<p>2.1 Know under what circumstances water can be lawfully discharged from a metal recycling site</p> <p>2.2 Know how long waste can be stored under the Standard Rule Permit</p>	<ul style="list-style-type: none"> • Environment Agency – SR2008No21: Metal Recycling Site OR • Environment Agency – SR2011No2: Metal Recycling Site • Environment Agency – How to comply with your environmental

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<ul style="list-style-type: none"> • Storage of oil and fuel • Tank and bunds checks • Spills and pollution prevention, • Storage of compressed gas cylinders 	<p>2.3 Know the steps for dealing with waste received which is not authorised by the site permit</p> <p>2.4 Know the infrastructure requirements for storage and treatment of different wastes on site, in accordance with Standard Rules and guidance</p> <p>2.5 Know which treatment activities are allowed under a Standard Rule Permit and any that are specifically prohibited</p> <p>2.6 Know the requirements for oil and fuel tank storage</p> <p>2.7 Know the checks and maintenance requirements for tanks and bunded areas</p> <p>2.8 Know how to deal with spillages of fuel and oils</p> <p>2.9 Know the requirement for safe storage of compressed gas cylinders</p>	<ul style="list-style-type: none"> • permit (V6, June 2013) • Environment Agency – Above Ground Oil Storage Tanks: PPG2 (August 2011) • HSE – Orphaned compressed gas cylinders in the waste and recycling industries (published 07/13) • The Waste Batteries and Accumulators (Amendment) Regulations 2015
<p>3. Vehicle / plant and equipment</p> <ul style="list-style-type: none"> • PPE • Role of banksmen • Reduce effects of noise and vibrations 	<p>3.1 Know when high visibility clothing should be worn and why</p> <p>3.2 Know how to reduce the effects of noise and vibration from the site</p> <p>3.3 Know when and how a banksman should be used</p>	<ul style="list-style-type: none"> • HSE – Section 5: Vehicle Movements • Environment Agency – How to comply with your environmental permit (V6, June 2013) • HSE - Controlling vibration • HSE – noise
<p>4. Hazardous Waste</p> <ul style="list-style-type: none"> • Types of hazardous waste, • Recognition of hazardous waste using EWC • Hazardous waste consignment 	<p>4.1 Know what wastes resulting from metal recycling site treatment are classified as hazardous</p> <p>4.2 Know the correct List of Wastes (or EWC) codes for defining hazardous wastes</p> <p>4.3 Know how long to keep hazardous wastes consignment notes</p> <p>4.4 Know the paperwork needed for the disposal of hazardous waste</p>	<ul style="list-style-type: none"> • Environment Agency – Technical Guidance WM3: Hazardous Waste (1st edition, 2015) • Environment Agency – Move hazardous waste • Environment Agency – Hazardous Waste – Producers and Holders • Environment Agency – Technical Guidance WM3: Hazardous Waste (1st edition, 2015)
<p>Additional Sources of information:</p> <ul style="list-style-type: none"> • British Metals Recycling Association (BMRA): http://www.recyclemetals.org/ 		

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Title:	TRANSFER: HAZARDOUS WASTE (TMH)	
Syllabus areas	Learning Outcomes	Source
	<i>The candidate will be able to:</i>	
1. Classifying waste <ul style="list-style-type: none"> • WM3 • Waste Hierarchy • WAC 	1.1 Know how to determine if a mirror entry in the EWC is to be classified as non-hazardous or hazardous waste 1.2 Know the information sources which may be needed to determine if a waste has any hazard properties 1.3 Know how to apply the waste hierarchy to the management of any hazardous waste to be transferred to another facility 1.4 Know how to comply with the Waste Acceptance Criteria for waste which is to be transferred to a hazardous waste landfill	<ul style="list-style-type: none"> • GOV.UK Classify different types of waste • GOV.UK Hazardous Waste Classification Technical Guidance • GOV.UK Waste Acceptance at Landfill • GOV.UK Waste legislation and Regulations • GOV.UK Guidance on applying the waste hierarchy to hazardous waste
2. Consignment procedures <ul style="list-style-type: none"> • Consignment process • Consignment notes • Producer and consignee returns • Records 	2.1. Know the hazardous waste consignment process (including completion of consignment notes) 2.2. Know the actions required when hazardous waste is incorrectly consigned 2.3. Know how to complete producer and consignee returns (including where and when to send them) 2.4. Know the requirements for keeping records of waste movements (including keeping an up to date site inventory)	<ul style="list-style-type: none"> • GOV.UK hazardous Waste- consignment notes • GOV.UK Hazardous waste - carriers • GOV.UK Hazardous waste: rejected loads – supplementary guidance • GOV.UK hazardous waste consignee returns • GOV.UK Hazardous waste consignees • GOV.UK Hazardous waste – producers and holders • GOV.UK: How to comply with your environmental permit.
3. Waste pre-acceptance <ul style="list-style-type: none"> • Characterising waste 	3.1. Know the requirements for characterising wastes in advance of their receipt and why it is important 3.2. Know what information is required prior to accepting hazardous waste for transfer as part of the pre-acceptance process	<ul style="list-style-type: none"> • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - Section 2.1 .1 • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - section 2.1.2 • GOV.UK Hazardous waste: rejected loads – supplementary guidance
4. Waste acceptance <ul style="list-style-type: none"> • Criteria 	4.1. Know how to manage wastes as they are received on site 4.2. Know the requirements for managing wastes	<ul style="list-style-type: none"> • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - Section 2.1 .1 • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste

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<ul style="list-style-type: none"> Audit Trail 	<p>which fail to meet the acceptance criteria</p> <p>4.3. Know the requirements for keeping an audit trail of wastes from pre-acceptance to removal off site and why it is important</p>	<ul style="list-style-type: none"> non-hazardous waste - section 2.1.2 GOV.UK Hazardous waste: rejected loads – supplementary guidance
<p>5. Site infrastructure requirements</p> <ul style="list-style-type: none"> Drainage Containers Labelling Segregation Separation Compatibility Testing 	<p>5.1. Know the requirements for infrastructure on a transfer hazardous site</p> <p>5.2. Know the requirements for containers used to store hazardous wastes</p> <p>5.3. Know the requirements for labelling, waste segregation and separation on a transfer hazardous site</p> <p>5.4. Know when compatibility testing would be required</p> <p>5.5. Know the potential safeguards for managing the storage of combustible waste in order to prevent fire or to mitigate its effects</p> <p>5.6. Know the information required regarding site drainage and its maintenance within a site management system</p>	<ul style="list-style-type: none"> GOV.UK: How to comply with your environmental permit. GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste Section 2.1.3 HSE – HSG71 Chemical Warehousing (4th edition, 2009) CIRIA.org – containment systems for pollution prevention GOV.UK Hazardous Waste Classification Technical Guidance GOV.UK: Hazardous waste segregation and mixing GOV.UK Fire Prevention Plans WISH: Reducing Fire Risk at Waste Management Sites
<p>6. Incident and accident management</p> <ul style="list-style-type: none"> Causes Prevention Plans 	<p>6.1. Know the causes of incidents and accidents on a transfer hazardous site</p> <p>6.2. Know how to prevent incidents and accidents on a transfer hazardous site</p> <p>6.3. Know what to include in a formal accident management plan</p> <p>6.4. Know the actions an operator should take if staff or members of the public identify a potential area of non-compliance</p>	<ul style="list-style-type: none"> GOV.UK Hazardous waste management facilities: review of incidents GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste Section 2.8 GOV.UK How to comply with your environmental permit.
<p>7. Health and Safety</p> <ul style="list-style-type: none"> Training needs Hazardous substances 	<p>7.1. Know how risk assessments can be used to identify training needs</p> <p>7.2. Know what training waste operatives working on a transfer hazardous site should have</p> <p>7.3. Know when health surveillance may be required for employees</p> <p>7.4. Know the hazard labels,</p> <p>7.5. Know the health and safety implications for hazard label on waste materials</p>	<ul style="list-style-type: none"> HSE – Health and Safety Training: a brief guide (published 11/12) HSE – Health and safety training in waste management and recycling (published 11/13) HSE – Health and hazardous substances in waste and recycling GOV.UK Hazardous Waste Classification Technical Guidance

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	7.6. Know the Hazard Properties (HP)codes for potentially hazardous wastes and the implications for staff safety	
<p><u>Additional Sources of information:</u></p> <ul style="list-style-type: none">• Where the hazardous waste being handled is clinical waste, reference needs to be made to https://www.gov.uk/government/publications/clinical-waste-additional-guidance• Where the hazardous waste being handled is aerosols, reference needs to be made to: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/300897/geho1111bved-e-e.pdf		

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Title:	TRANSFER: NON-HAZARDOUS WASTE (TSNH)	
Syllabus areas	Learning Outcomes	Source
	<i>The candidate will be able to:</i>	
<p>1. Classifying Waste</p> <ul style="list-style-type: none"> • Non Hazardous mirror entries • Waste Acceptance Criteria • Waste Hierarchy 	<p>1.1 Know how to determine if a mirror entry in the EWC is to be classified as non-hazardous or hazardous waste</p> <p>1.2 Know how to apply the waste hierarchy to the management of any non-hazardous waste to be transferred for disposal or further treatment</p> <p>1.3 Know how to comply with the Waste Acceptance Criteria for waste which is to be transferred to landfill</p>	<ul style="list-style-type: none"> • GOV.UK Classify different types of waste • GOV.UK Waste Acceptance at Landfill • GOV.UK Waste legislation and Regulations • DEFRA: Waste Hierarchy Guidance • GOV.UK SR2015No4 • GOV.UK SR2008 No1
<p>3. Waste acceptance</p> <ul style="list-style-type: none"> • Checks required on Waste Transfer Notes (WTN) • Non-compliant waste 	<p>33.1 Know how to manage wastes as they are received on site</p> <p>33.2 Know the checks required before wastes can be accepted on site</p> <p>33.3 Know how to handle waste streams which contain non-compliant waste and are to be rejected</p> <p>33.4 Know who is responsible for describing and classifying waste</p> <p>33.5 Know requirements for keeping an audit trail of wastes from pre-acceptance to removal off site and why it is important</p>	<ul style="list-style-type: none"> • GOV.UK – How to comply with your environmental permit. • GOV.UK Business and commercial waste – Duty of Care • GOV.UK SR2015No4 • GOV.UK SR2008 No1
<p>3. Site infrastructure requirements</p> <ul style="list-style-type: none"> • Drainage • Containers • Secondary containment systems 	<p>3.1 Know the requirements for infrastructure on a transfer non-hazardous site</p> <p>3.2 Know the requirements for containers used to store non-hazardous wastes</p> <p>3.3 Know the storage requirements for liquids in secondary containment systems</p> <p>3.4 Know the potential safeguards for managing the storage of combustible waste in order to prevent fire or to mitigate its effects</p> <p>3.5 Know the information required regarding</p>	<ul style="list-style-type: none"> • GOV.UK –How to comply with your environmental permit • Understanding permeable and impermeable surfaces: Technical report on surfacing options and cost benefit analysis • Above Ground Oil Storage Tanks: PPG 2 – August 2011 – Environment Agency • GOV.UK SR2015No4 • GOV.UK SR2008 No1 • GOV.UK Fire Prevention Plans • WISH: Reducing Fire Risk at Waste Management Sites

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	site drainage and its maintenance within a site management system	
4. Incident and Accident Management <ul style="list-style-type: none"> • Causes • Prevention • Plans 	4.1 Know the causes of incidents and accidents on a non-hazardous transfer site 4.2 Know how to prevent incidents and accidents on a non-hazardous transfer site 4.3 Know what to include in a formal accident management plan 4.4 Know actions an operator should take if staff or members of the public identify a potential area of non-compliance	<ul style="list-style-type: none"> • GOV.UK How to comply with your environmental permit • GOV.UK SR2015No4 • GOV.UK SR2008 No1
5. Health and Safety <ul style="list-style-type: none"> • Training needs 	5.1. Know how risk assessments can be used to identify training needs 5.2. Know what training waste operatives working on non-hazardous transfer sites should have 5.3. Know when health surveillance may be required for employees	<ul style="list-style-type: none"> • HSE – Health and Safety Training: a brief guide (published 11/12) • HSE – Health and safety training in waste management and recycling (published 11/13)
<u>Additional Sources of information:</u>		

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Title:	TREATMENT AND TRANSFER: HAZARDOUS WASTE (TMH)	
Syllabus areas	Learning Outcomes	Source:
	<i>The candidate will be able to:</i>	
2. Classifying waste <ul style="list-style-type: none"> • WM3 • Waste Hierarchy • WAC 	2.1 Know how to determine if a mirror entry in the EWC is to be classified as non-hazardous or hazardous waste 2.2 Know the information sources which may be needed to determine if a waste has any hazard properties 2.3 Know how to apply the waste hierarchy to the management of any residues created from any hazardous waste treatment on site or any waste being transferred to another facility 2.4 Know how to comply with the Waste Acceptance Criteria for waste generated by treatment processes prior to disposal in a hazardous waste landfill	<ul style="list-style-type: none"> • GOV.UK Classify different types of waste • GOV.UK Hazardous Waste Classification Technical Guidance • GOV.UK Waste Acceptance at Landfill • GOV.UK Waste legislation and Regulations • GOV.UK Guidance on applying the waste hierarchy to hazardous waste
3. Consignment procedures <ul style="list-style-type: none"> • Consignment process • Consignment notes • Producer and consignee returns • Records 	2.5. Know the hazardous waste consignment process (including completion of consignment notes) 2.6. Know the actions required when hazardous waste is incorrectly consigned 2.7. Know how to complete producer and consignee returns (including where and when to send them) 2.8. Know the requirements for keeping records of waste movements (including keeping an up to date site inventory)	<ul style="list-style-type: none"> • GOV.UK hazardous Waste- consignment notes • GOV.UK Hazardous waste - carriers • GOV.UK Hazardous waste: rejected loads – supplementary guidance • GOV.UK hazardous waste consignee returns • GOV.UK Hazardous waste consignees • GOV.UK Hazardous waste – producers and holders • GOV.UK: How to comply with your environmental permit.
5. Waste pre-acceptance <ul style="list-style-type: none"> • Characterising waste 	3.1 Know the requirements for characterising wastes in advance of their receipt and why it is important 3.2 Know what information is required prior to accepting hazardous waste for treatment as part of the pre-acceptance process	<ul style="list-style-type: none"> • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - Section 2.1 .1 • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - section 2.1.2 • GOV.UK Hazardous waste: rejected loads – supplementary guidance
6. Waste acceptance	4.1 Know how to manage wastes as they are received on site	<ul style="list-style-type: none"> • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - Section 2.1 .1

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<ul style="list-style-type: none"> • Criteria • Audit Trail 	<p>4.2 Know the requirements for managing wastes which fail to meet the acceptance criteria and are to be rejected</p> <p>4.3 Know the requirements for keeping an audit trail of wastes from pre-acceptance to treatment and/or removal off site and why it is important</p>	<ul style="list-style-type: none"> • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - section 2.1.2 • GOV.UK Hazardous waste: rejected loads – supplementary guidance
<p>8. Site infrastructure requirements</p> <ul style="list-style-type: none"> • Drainage • Containers • Labelling • Segregation • Separation • Compatibility Testing 	<p>5.1 Know the requirements for infrastructure on a treatment and transfer hazardous waste site</p> <p>5.2 Know the requirements for containers used to store and treat hazardous wastes</p> <p>5.3 Know the requirements for labelling, waste segregation and separation</p> <p>5.4 Know when compatibility testing would be required</p> <p>5.5 Know the potential safeguards for managing the storage of combustible waste in order to prevent fire or to mitigate its effects</p> <p>5.6 Know the information required regarding site drainage and its maintenance within a site management system</p>	<ul style="list-style-type: none"> • GOV.UK: How to comply with your environmental permit. • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste Section 2.1.3 • HSE – HSG71 Chemical Warehousing (4th edition, 2009) • CIRIA.org – containment systems for pollution prevention • GOV.UK Hazardous Waste Classification Technical Guidance • GOV.UK: Hazardous waste segregation and mixing • GOV.UK Fire Prevention Plans • WISH: Reducing Fire Risk at Waste Management Sites
<p>6 Incident and accident management</p> <ul style="list-style-type: none"> • Causes • Prevention • Plans 	<p>6.1 Know the causes of incidents and accidents on a treatment and transfer hazardous site</p> <p>6.2 Know how to prevent incidents and accidents on a treatment and transfer hazardous site</p> <p>6.3 Know what to include in a formal accident management plan</p> <p>6.4 Know the actions an operator should take if staff or members of the public identify a potential non-compliance</p>	<ul style="list-style-type: none"> • GOV.UK Hazardous waste management facilities: review of incidents • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste Section 2.8 • GOV.UK How to comply with your environmental permit.
<p>7 Health and Safety</p> <ul style="list-style-type: none"> • Training needs • Hazardous substances 	<p>7.1 Know how risk assessments can be used to identify training needs</p> <p>7.2 Know what training waste operatives working on a treatment and transfer hazardous site should have</p> <p>7.3 Know when health surveillance may be required for employees</p>	<ul style="list-style-type: none"> • HSE – Health and Safety Training: a brief guide (published 11/12) • HSE – Health and safety training in waste management and recycling (published 11/13) • HSE – Health and hazardous substances in waste and recycling • GOV.UK Hazardous Waste Classification Technical Guidance

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	7.4 Know the hazard labels 7.5 Know the health and safety implications for hazard label on waste materials 7.6 Know the Hazard Properties (HP) codes are for potentially hazardous wastes and of the implications for staff safety	
<p>Additional Sources of information: Where the hazardous waste being handled is clinical waste, reference needs to be made to https://www.gov.uk/government/publications/clinical-waste-additional-guidance Where the hazardous waste being handled is aerosols, reference needs to be made to https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/300897/geho1111bved-e-e.pdf</p>		

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Title:	TREATMENT AND TRANSFER: NON-HAZARDOUS WASTE (TMNH)	
Syllabus areas	Learning Outcomes	Source
	<i>The candidate will be able to:</i>	
<p>1. Classifying Waste</p> <ul style="list-style-type: none"> • Non-hazardous mirror entries • Waste Acceptance criteria • Waste Hierarchy 	<p>1.4 Know how to determine if a mirror entry in the EWC is to be classified as non-hazardous or hazardous waste</p> <p>1.5 Know how to apply the waste hierarchy to the management of any residues created from any waste treatment or any waste to be transferred to another facility</p> <p>1.6 Know how to comply with the Waste Acceptance Criteria for waste generated by treatment processes which is to be transferred to landfill</p>	<ul style="list-style-type: none"> • GOV.UK Classify different types of waste • GOV.UK Hazardous Waste Classification Technical Guidance • GOV.UK Waste Acceptance at Landfill • GOV.UK Waste legislation and Regulations • DEFRA: Waste Hierarchy Guidance • GOV.UK SR2008 No3 • GOV.UK SR2015 No 6
<p>4. Waste acceptance</p> <ul style="list-style-type: none"> • Checks required on Waste Transfer Notes (WTN) • Non-compliant waste 	<p>a. Know how to manage wastes as they are received on site</p> <p>b. Know the checks required before wastes can be accepted on site</p> <p>c. Know how to handle waste streams which contain non-compliant waste and are to be rejected</p> <p>d. Know who is responsible for describing and classifying the waste</p> <p>e. Know requirements for keeping an audit trail of wastes from pre-acceptance to treatment and/or removal off site</p> <p>f. Know when additional requirements for pre-acceptance checks should be applied</p>	<ul style="list-style-type: none"> • GOV.UK – How to comply with your environmental permit. • GOV.UK Business and commercial waste – Duty of Care • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste • GOV.UK SR2008 No3 • GOV.UK SR2015 No 6
<p>3. Site infrastructure</p> <ul style="list-style-type: none"> • Drainage • Containers • Secondary containment systems 	<p>3.6 Know the requirements for infrastructure in areas used to store non-hazardous wastes</p> <p>3.7 Know the requirements for infrastructure in areas where treatment of non-hazardous wastes takes place</p> <p>3.8 Know the requirements for containers used to store non-hazardous wastes</p> <p>3.9 Know the storage requirements for liquids in</p>	<ul style="list-style-type: none"> • GOV.UK How to comply with your environmental permit • Understanding permeable and impermeable surfaces: Technical report on surfacing options and cost benefit analysis • Above Ground Oil Storage Tanks: PPG 2 – August 2011 – Environment Agency • GOV.UK SR2008 No3 • GOV.UK SR2015 No 6 • WISH: Reducing Fire Risk at Waste Management Sites • GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and

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	<p>secondary containment systems</p> <p>3.10 Know the potential safeguards for managing the storage of combustibile waste in order to prevent fire or to mitigate its effects</p> <p>3.11 Know the information required regarding site drainage and its maintenance within a site management system</p>	<p>non-hazardous waste</p>
<p>4 Incident and Accident Management</p> <ul style="list-style-type: none"> • Causes • Prevention • Plans 	<p>4.1. Know the causes of incidents and accidents on a non-hazardous treatment and transfer site</p> <p>4.2. Know how to prevent incidents and accidents on a non-hazardous treatment and transfer site</p> <p>4.3. Know what to include in a formal accident management plan</p> <p>4.4. Know actions an operator should take if staff or members of the public identify a potential area of non-compliance</p>	<ul style="list-style-type: none"> • GOV.UK How to comply with your environmental permit
<p>5 Health and safety</p> <ul style="list-style-type: none"> • Training needs 	<p>5.4. Know how risk assessments can be used to identify training needs</p> <p>5.5. Know what training waste operatives working on non-hazardous treatment and transfer sites should have</p> <p>5.6. Know when health surveillance may be required for employees</p>	<ul style="list-style-type: none"> • HSE – Health and Safety Training: a brief guide (published 11/12) • HSE – Health and safety training in waste management and recycling (published 11/13)
<p><u>Additional Sources of information:</u></p>		

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Title:	WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)	
Syllabus areas	Learning Outcomes <i>The candidate will be able to:</i>	Sources
34. Site Infrastructure <ul style="list-style-type: none"> • Storage areas • Impermeable surfaces • Weatherproofing • Treatment 	34.1 Know the storage requirements for WEEE prior to treatment 34.2 Know the technical requirements for sites undertaking WEEE treatment operations 34.3 Know the characteristics of impermeable surfaces used in WEEE treatment facilities 34.4 Know why weatherproof coverings are used by WEEE treatment facilities	<ul style="list-style-type: none"> • Defra – Guidance on Best Available Treatment Recovery and Recycling Techniques (BATRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE) (November 2006) • To access this document cut and paste into a search engine directly! http://webarchive.nationalarchives.gov.uk/20130402151656/http://archive.defra.gov.uk/environment/waste/producer/electrical/documents/weee-batrtrt-guidance.pdf
35. Managing fluids in WEEE materials	2.1 Know the requirements for treating and storing WEEE materials that contain fluids	<ul style="list-style-type: none"> • Defra – Guidance on Best Available Treatment Recovery and Recycling Techniques (BATRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE) (November 2006)
3. Handling hazardous WEEE <ul style="list-style-type: none"> • Classification • Consignment 	3.1 Know the WEEE components classified as hazardous waste 3.2 Know the consignment procedures for hazardous WEEE	<ul style="list-style-type: none"> • Environment Agency – Technical Guidance WM3: Interpretation of the definition and classification of hazardous waste (1st edition, August 2015) • Classification of Different Types of Waste • Hazardous waste - GOV.UK • Environment Agency - Consignee Returns – records • Environment Agency – Consignment notes • Hazardous Waste (England and Wales) Regulations 2005 • Hazardous Waste (England and Wales) (Amendment) Regulations 2009
4. WEEE Treatment <ul style="list-style-type: none"> • Treatment Guidelines/ Good practice • Removal of specific items • Weighing WEEE • Quality of WEEE derived materials • Contamination 	4.1 Know the permitting arrangements for a facility treating WEEE 4.2 Know the items that must be removed from WEEE during treatment 4.3 Know the items that must be safely removed as whole items from any separately collected WEEE 4.4 Know the requirements for weighing WEEE prior to and after treatment 4.5 Know good practice for maximising the quality of WEEE derived materials	<ul style="list-style-type: none"> • Defra – Guidance on Best Available Treatment Recovery and Recycling Techniques (BATRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE)(November 2006) • BIS – WEEE Regulations 2013: Government Guidance Notes(March 2014) • WRAP – Treatment of WEEE • WRAP – Waste Treatment

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<ul style="list-style-type: none"> Separately collected WEEE 	<p>4.6 Know good practice for identifying and removing contaminated/non-conforming wastes from the WEEE</p>	
<p>5. WEEE items for reuse</p> <ul style="list-style-type: none"> Items for reuse Quality standards Good practice 	<p>5.1 Know the items which can be separated for reuse</p> <p>5.2 Know the quality standards for the reuse of WEEE</p> <p>5.3 Know good practice for the disassembly and storage of WEEE to increase potential for reuse</p> <p>5.4 Know good practice for testing WEEE items for reuse</p>	<ul style="list-style-type: none"> WRAP – The benefits of PAS 141 Defra – Guidance on Best Available Treatment Recovery and Recycling Techniques (BATRRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE) (November 2006) WRAP – Treatment for Reuse
<p>6. Exporting of WEEE</p> <ul style="list-style-type: none"> Legislation Permits Approvals 	<p>6.1 Know the circumstances where approval for exporting obligated WEEE is required</p> <p>6.2 Know the permits, approvals and information required to export WEEE</p> <p>6.3 Know legislation and regulations applicable to exporting WEEE</p>	<ul style="list-style-type: none"> Environment Agency - Guidance note for approval as an approved authorised treatment facility (AATF) or approved exporter (AE) for waste electrical and electronic equipment (WEEE) (WMP7)(V6, July 2012) GOV. UK – Waste electrical and electronic equipment (WEEE): Exporting
<p>7. Handle WEEE safely</p>	<p>7.1 Know the hazards associated with handling hazardous WEEE items</p>	<ul style="list-style-type: none"> HSE Guidance – Waste Electrical and Electronic Equipment Recycling
<p>8. WEEE evidence</p>	<p>8.1 Know the type of facility that can issue WEEE evidence</p>	<ul style="list-style-type: none"> Waste electrical and electronic equipment (WEEE): reuse and treatment - Detailed guidance - GOV.UK
<p>Sources of information: EPR 2010 and amendments WEEE Regulations and WEEE Directive</p>		