

WAMITAB Level 4 Medium Risk Operator Competence for Open Inert Landfill

Waste facilities covered:

- *Open inert landfill*

Qualification Code: 601/8529/6

WAMITAB Code: MROC7



Version 4, March 2017

About WAMITAB and this Qualification Handbook

About WAMITAB

WAMITAB is an awarding organisation and charity that develops qualifications for those working in resource management and recycling; cleaning; street cleansing; facilities management; and parking from operative through to management level.

Since it was formed in 1989, WAMITAB has evolved in line with the convergence between the sectors with a clear focus on promoting and supporting environmental sustainability. With over 120 qualification pathways and 70 quality assured centres, WAMITAB offers an unrivalled specialist network to support staff development.

Equal Opportunities

WAMITAB supports the principles of equal opportunities and we are committed to meeting these principles in the provision of all our qualifications and assessments. We firmly believe that all learners and stakeholders are therefore entitled to receive equal treatment irrespective of age, sex, race, marital status, religion, disability or sexual orientation.

The Purpose of this Qualification Handbook

Welcome to your WAMITAB Qualification Handbook. This will help you to complete your Level 4 Medium Risk Operator Competence for Open Inert Landfill. It contains:

- The units you need to achieve to complete your award.
- Information about your responsibilities as a candidate.
- Reference information covering each learning outcome and assessment criteria.
- Activities you can use to test your understanding.
- Forms you can use to record and organise your evidence.

Candidate Information

Name

WAMITAB Candidate Number

Registration Date

Enrolment Date

Centre Name

Centre Address

Centre Contact

Assessor Name

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Frequently Asked Questions

What is a qualification?

A qualification is nationally recognised, based on National Occupational Standards and gained in the workplace. Achieving your qualification demonstrates that you can work to the standards expected by employers in your industry.

What is the objective of this qualification

This qualification is part of the CIWM/WAMITAB Operator Competence Scheme and is designed to provide technically competent people with the knowledge and skills to ensure waste sites comply with either:

- Environmental Permitting Regulations (England and Wales) 2007
- The Waste Management Licensing (Amendment) Regulations (Northern Ireland) 2015

Achievement of this qualification demonstrates competence by the learner to manage permitted waste facilities in England, Wales and Northern Ireland.

Who is it for?

- Technically competent managers (TCM)
 - Consultants
 - Site managers and supervisors
-

What are the entry requirements of this qualification?

This qualification is open entry. This means that learners interested in undertaking this qualification do not require any other qualifications or levels of attainment. However, learners will need to be employed in a suitable position, or have access to the working environment, as the qualification is assessed 'on the job'.

What job role could this qualification lead to or support?

This qualification is ideal for new or experienced people managing waste and resource management operations that require evidence of their competence, knowledge and skills to ensure waste sites comply with the relevant legislation in England, Wales or Northern Ireland. Once you have achieved your Operator Competence qualification, you will be required to pass a Continuing Competence assessment every two years if you wish to act as the recognised technically competent manager (TCM) on a waste site. All TCM's must be able to demonstrate that they have kept their knowledge and skills up to date.

What do I need to achieve?

To achieve this qualification, you will need to complete the five mandatory units and one optional unit.

Mandatory Unit Group

- Maintain health and safety in the waste and resource management industry (OCS01)
- Manage the environmental impact of work activities (OCS02)
- Manage the movement, sorting and storage of waste (OCS05)
- Manage the reception of inert waste (OCS13)
- Proposed Title: Managing disposal operations of Inert Waste to Land (OCS35)

Optional Unit Group

- Restore and prepare landfill sites for aftercare (OCS42)
- Developing restoration and aftercare schemes for inert landfill site (OCS45)
- Prepare Landfill sites for the acceptance of inert waste (OCS48)

What is a unit?

The units of a qualification describe what you must be able to do and understand to perform work activities competently in your job role.

- Learning outcomes: Describe what tasks you will be able to do as a result of learning.
- Assessment criteria: Describe what activities you will need to do and what you must know to complete each task.
- Evidence requirements: Provide a summary of the evidence you will need to prove you are competent.

What is an approved WAMITAB Centre?

You will gain your qualification through an approved WAMITAB Centre. It may be your place of work, a local college or training provider. Assessment of your qualification will be carried out at your place of work and the centre is responsible for the administration. Centre staff will therefore:

- Register you with WAMITAB.
- Provide a candidate registration number.
- Apply for your certificate when you have completed your qualification or units.

How long will it take?

There is no time limit set by WAMITAB for you to complete your qualification. However, you may be obliged to achieve your qualification by a specific time outlined in the CIWM/WAMITAB Operator Competence Scheme or by an Environmental Regulator. Your centre may also have some requirements that they will explain to you.

Who will help me achieve my qualification?

The following people at the approved WAMITAB centre will help you to achieve your qualification.

Your Assessor

The assessor is the person you will have the most contact with as you work towards your qualification. They will:

- Help you identify any training you need.
- Help you plan your workload and organise your evidence.
- Observe you carrying out your job in the workplace over a period of time.
- Ask questions about the work you do.
- Make decisions about your evidence.
- Judge when you are competent.
- Provide feedback.

Internal Quality Assurer

The internal quality assurer maintains the quality of assessment within the centre.

External Quality Assurer

An external quality assurer is employed by WAMITAB to ensure that your centre meets the required national standards for quality and assessment.

What are my responsibilities as a candidate?

As a candidate you will need to:

- Provide your centre with your personal details so they can register you with WAMITAB.
- Comply with health and safety law and regulations.

What steps will I need to take to complete my qualification?

1. **Planning:** Your assessor will tell you about the mandatory units of the qualification and will help you to select relevant optional units.
2. **Evidence:** You will gather evidence for your portfolio (see next question for types of evidence).
3. **Feedback:** Your assessor will provide regular feedback on your progress and will arrange for additional training if needed. When your assessor confirms you are competent after an assessment, it will be recorded in your handbook.
4. **Achievement:** Once you have completed all the units and gathered all the evidence you need, your centre will apply for your WAMITAB certificate.

What are the evidence requirements for this qualification?

The primary sources of evidence for this qualification are:

Observation (O): Direct observation or witness testimony where direct observation is not possible. Where this evidence type has been suggested against Assessment Criteria which require the candidate to explain or describe, the assessor must hear or observe the explanation/description (directly or being delivered to others) or see it in writing. The assessor must not infer that the candidate can explain/describe based purely on observation.

Question and Answer (Q/A): candidate statements, verbal questioning, professional discussion, written questions, product evidence supported by questioning

Simulation / Realistic working environment (S/R): Should be used as a last resort where allowed. Please see the Energy and Utility Skills Assessment Strategy for further information.

Where do I go if I need more information about my qualification and assessments?

- your assessor
- your qualification workbook
- WAMITAB (01604 231950/ www.wamitab.org.uk/info.admin@wamitab.org.uk)

Useful Words

Approved Centre

WAMITAB Centres are training organisations that have met our strict quality standards and have been approved to deliver our qualifications to learners. They include private providers, colleges of further education, employers and prisons.

Assessment Criteria

These specify the standard that you are expected to meet to demonstrate that you have achieved the Learning Outcome. Assessment criteria are detailed enough to allow judgments to be made about your competence.

Assessor

A person who works with the Approved Centre to assess your competence against the standards set within the qualification. Assessors are qualified and experienced in the subject of the qualification you are registered for, and have the skills to plan and carry out your assessments. They will make judgments of your competence, based on the evidence you provide, and give feedback.

Competence

Competence, in relation to the qualification, describes your ability to consistently be able to undertake work activities, know and understand work-related tasks as per the requirements set out in the standards.

Evidence

You need to collect evidence to prove that you are competent as required by the standards set in the units of the qualification. There are different types of evidence, ranging from an assessor observing your work, question and answers, assignments and tests. Evidence can also be presented using photographs, audio and video files. Each unit gives guidance as to what is expected and acceptable evidence. Evidence must be authentic and your own work.

External Quality Assurer

This is an expert employed by WAMITAB to monitor, review and advise Approved Centres. The External Quality Assurer regularly visits the Approved Centre to check that all assessments are carried out correctly, to the same standard, and that all paperwork is maintained accurately and consistently. External Quality Assurers are qualified and experienced in the subject of the qualification that you are registered for. They therefore have the skills to check that the Approved Centre is operating properly and has all of the systems in place to deliver the qualification.

Internal Quality Assurer

A person who works with the Approved Centre to make sure that the assessment is carried out correctly, and that all administration of the assessment is properly managed. Internal Quality Assurers are qualified and experienced in the subject of the qualification that you are registered for, and have the skills to verify the work of the assessor for accuracy, quality and consistency.

Learner

A person who is registered to work towards achievement of a qualification – i.e. you!

Learning Outcome

These set out what you will be expected to know, understand or be able to do. Each learning outcome relates to one or more assessment criteria, and together they set a clear assessment standard for each unit.

Portfolio

This is a place where you will collect evidence to demonstrate your competence. A portfolio could be either hard-copy or electronic, but this will need to be agreed with the Approved Centre in advance. The evidence held in your portfolio must be your own work, and be clearly referenced to the units of the qualification.

Unit – Mandatory and Optional

Units form the building blocks of all qualifications that are nationally regulated on the Qualification Credit Framework. Units are small chunks of learning that focus on specific aspects of knowledge, skills and understanding. Mandatory units are those that you must achieve, and Optional units offer a range of subjects that you may choose between.

Vocational

A qualification is vocational when it relates directly to the skills, knowledge and understanding required to undertake a specific or broad job role.

WAMITAB

An Awarding Organisation for a wide range of qualifications in waste management and recycling, cleaning and street cleansing, facilities management and parking. WAMITAB is responsible for ensuring the on going quality of the delivery and assessment of qualifications, and issues certificates to learners upon completion. We have over 20 years of experience developing and quality assuring qualifications, training and course materials.

Unit Terms

Analyse

Look at something (for example a process) and use given classifications or principles to gain a further understanding.

Apply

Put something into action – a “doing” task which requires “real” evidence from a workplace scenario.

Compare

Look at the characteristics of an item or activity and note the similarities and differences. This is more often used at level 1 and 2.

Critically Compare

Look at the characteristics of an item or situation, note the similarities and differences and their respective positive and negative aspects. In some cases, this can include the use of the comparison in context as the basis for decision making. This is generally used at level 3 and above.

Demonstrate

A doing verb which requires you to actually do what the assessment criteria requires. You will have to provide evidence of which clearly shows you applying your knowledge and skills to meet the requirements of the assessment criteria. The evidence for this can involve getting someone to take a picture of you completing the task or discussing the task with an assessor and recording the discussion using documentation, video, etc. Remember that it is not enough to just write about it unless the task requires this type of written evidence.

Describe

Provide a vivid picture of what it is by using imagery, adjectives and adverbs to make the subject easy to understand. It may also convey an idea or fact.

Develop

Build a process or activity or understanding either from scratch or using an existing product to create something workable.

Differentiate/ Distinguish

Look at the characteristics of an item or situation/ activity and explain the differences.

Evaluate/Justify

You must look at whatever the required content/process is and suggest other relevant, significant or possible outcomes. It is the process of exploring, checking and suggesting a likely outcome with reasons.

Explain

Provide a comprehensible answer that shows an understanding of the content/process mentioned. Your answer should include: what it is, how it works, what it looks like, what it does, how it happens, why it happens and any relevant reasons.

Identify

For most assessment criteria this requires the learner to list and describe what is required or relevant to produce an outcome, or requires the learner to make choices to achieve a particular aspect of their job. At levels 4, 5 and 6 this would require the learner to say what is available, make the choice and then to explain or justify why the choice was made.

Implement

Putting something into practice after the development process has taken place. This ensures that the product/process is actually employed and/or used by self and others during work activities.

List

Produce a number of relevant items which apply to the question. Further description is not required.

Manage

After a development process ensure that the product/process works using relevant management techniques.

Recognise

Be aware of, familiar with and able to identify an activity or product.

Mandatory Units

Maintain health and safety in the waste and resource management industry (OCS01)

Credit: 4				Comments
Level: 4		Evidence Type	Portfolio Ref No	
Learning Outcome	Assessment Criteria			
1. Know the main requirements of health and safety legislation in the waste and resource management industry	1.1. Explain the main legal requirements of health and safety legislation on waste and resource management facilities, in relation to: <ul style="list-style-type: none"> • employers • employees • others 			
	1.2. Describe the different sources of reliable health and safety information.			
	1.3. Identify how to locate current health and safety information.			
	1.4. Describe the main features and legal requirements for: <ul style="list-style-type: none"> • fire risk assessment • accident management plans • CoSHH • PUWER • LOLER 			
2. Understand the hazards, risks, control measures and monitoring associated with a waste and resource management environment	2.1. Explain the difference between a hazard and a risk.			
	2.2. Explain how to complete a risk assessment.			
	2.3. Explain the difference between a formal and dynamic risk assessment.			
	2.4. Explain the hierarchy of 'control measures'.			
	2.5. Describe the characteristics of hazardous substances and their warning labels.			
	2.6. State the types of personal protective equipment (PPE) required and how they must be used, maintained and stored.			
	2.7. Identify the main causes of accidents and incidents in the			

	workplace.			
	2.8. Explain how to carry out an accident and incident investigation in line with current regulator guidance.			
3. Be able to make sure that hazards and risks are controlled safely and effectively on site	3.1. Conduct a risk assessment and implement the control measures.			
	3.2. Maintain accurate records of workplace irregularities.			
	3.3. Check other people are aware of hazards/risks and the actions to minimise them.			
	3.4. Identify the relevant person in the workplace to whom hazards should be reported.			
	3.5. Confirm that precautions to control risks have been agreed with the people responsible for health and safety on site.			
	3.6. Review to make sure all recommended action has been taken.			
4. Be able to implement organisational health and safety procedures on site	4.1. Implement workplace health and safety procedures in relation to: <ul style="list-style-type: none"> • safe use of plant, machinery and equipment • safe use of chemicals • fire • first aid • supervision of visitors and contractors • vehicle movements • any other site specific hazards as detailed on risk assessments 			
	4.2. Ensure procedures are in place to check the health and safety competence of employees.			
	4.3. Conduct monitoring of the workplace at agreed intervals and in accordance with workplace instructions.			
	4.4. Respond to any breaches of health and safety.			
	4.5. Identify training needs and put plans in place to address them.			
5. Be able to monitor and review safety on site	5.1 Review performance of health and safety on site.			
	5.2 Request feedback on health and safety performance from relevant people.			
	5.3 Make recommendations for any changes to organisational procedures to maintain health and safety on site.			

Manage the environmental impact of work activities (OCS02)

Credit: 3				Comments
Level: 4		Evidence Type	Portfolio Ref No	
Learning Outcome	Assessment Criteria			
1. Understand the legal and organisational requirements for managing the environmental impact of work activities	1.1. Describe the legislative requirements, codes of practice and guidance applicable to the transfer and transport of waste from the site.			
	1.2. Explain the organisational procedures for managing the environmental impact of work activities.			
2. Understand how to assess the environmental impact of work activities and how this can be minimised	2.1. Explain how to assess the impact of work activities and resources in the environment, including risk analysis.			
	2.2. Explain what specialist advice is available to manage the environmental impact of work activities.			
	2.3. Explain how to minimise the environmental impact of work activities.			
	2.4. Explain how to monitor the environmental impact of work activities.			
3. Understand the legal and organisational requirements for managing the risk of fires on site	3.1. Explain the legal requirements and current guidance for managing the risk of fires on site.			
	3.2. Explain the organisational procedures for managing the risk of fires on site.			
4. Be able to assess and report on the environmental	4.1. Assess the environmental impact on your site of: <ul style="list-style-type: none"> • work activities • resource use 			

impact of work activities in own area of responsibility	4.2. Review existing control measures for minimising site environmental impacts of: <ul style="list-style-type: none"> • work activities • resource use 			
	4.3. Analyse the effectiveness of the existing control measures and make recommendations for any improvements including those for: <ul style="list-style-type: none"> • work activities • resource use 			
	4.4. Produce a report on the environmental impact of work activities and resource use, with recommendations for improvement.			
5. Be able to organise work activities and resource use to minimise environmental impact	5.1. Organise resources in own area of responsibility to reduce environmental impact.			
	5.2. Organise work activities in own area of responsibility to reduce environmental impact.			
6. Be able to promote on-going improvement in environmental performance	6.1. Monitor the environmental impact of work activities.			
	6.2. Establish ways to identify and report opportunities for improving environmental performance.			
	6.3. Communicate on-going environmental performance.			
7. Be able to implement fire prevention controls and measures on site	7.1. Identify the types and locations of combustible and flammable materials on site.			
	7.2. Identify the types and locations of potential ignition sources on site.			
	7.3. Identify existing control measures aimed at reducing the risk of fire and the impact should fire occur.			
	7.4. Review the effectiveness of the existing control measures and make recommendations for any improvements.			
	7.5. Ensure control measures are implemented on site to reduce the risk of fire.			

Manage the movement, sorting and storage of waste (OCS05)

Credit: 5				Comments
Level: 4		Evidence Type	Portfolio Ref No	
Learning Outcome	Assessment Criteria			
1. Understand the specific regulation, procedures and requirements for the movement, sorting and storage of waste	1.1. Describe the legislative requirements, codes of practice and guidance applicable to the movement, sorting and storage of waste from the site.			
	1.2. Describe the legislative requirements and organisational procedures for dealing with unauthorised wastes.			
	1.3. Describe the records required by legislation for the movement, sorting and storage of waste on site.			
	1.4. Describe the planning permission, permit and environmental management system (EMS) for the site.			
	1.5. Describe the types, functions and limitations of waste handling equipment used on site.			
	1.6. Describe the procedures and handling requirements for the types of waste received on site.			
	1.7. Describe the procedures for managing work activities during the movement, sorting and storage of waste on site.			
	1.8. Describe the procedures for managing internal site traffic during the movement, sorting and storage of waste on site.			
	1.9. Describe the procedures for preventing fires during the movement, sorting and storage of waste on site.			
2. Understand the health, safety and environmental implications of movement, segregation and	2.1. Describe the organisational environmental policy and procedures applicable to the site.			
	2.2. Identify hazards associated with the movement, sorting and storage of waste on site in relation to: <ul style="list-style-type: none"> • health and safety • environment 			

storage of waste.	2.3. Describe the process of risk analysis to minimise hazards to personnel and the environment.			
	2.4. Describe the lifting and handling techniques suitable for moving, sorting and storing wastes on site.			
	2.5. Describe the organisational procedures for dealing with spillages and emissions on site.			
	2.6. Describe the organisational procedures for dealing with fires on site.			
	2.7. State the types of personal protective equipment (PPE) required and how they must be used, maintained and stored.			
	2.8. Describe the importance of personnel compliance with health and safety requirements for: <ul style="list-style-type: none"> • use of personal protective equipment (PPE) • use of vehicles, plant and machinery • use of waste handling equipment 			
3. Be able to implement systems and procedures to manage the movement, sorting and storage of waste	3.1 Implement systems and procedures for the movement, sorting and storage of waste in accordance with legislative requirements and organisational procedures.			
	3.2 Implement systems and procedures that comply with legislative requirements to deal with wastes that need specific handling.			
	3.3 Comply with legislative requirements and organisational procedures for recording and reporting risks to health, safety or the environment.			
	3.4 Implement recording and information systems for the sorting and storage of waste in accordance with legislative requirements and organisational procedures.			
	3.5 Ensure that personnel understand the procedures relating to the movement, sorting and storage of wastes and comply with them.			
	3.6 Ensure that personnel have received recognised training before any machinery, plant or equipment is used.			
4 Be able to manage vehicles, plant and	4.1 Identify hazards and minimise risks to health, safety and the environment that arise from the use of vehicles and plant on the			

crews on sites which handle waste	site.			
	4.2 Establish systems to control the movement of vehicles and plant on site to comply with health, safety and organisational requirements.			
	4.3 Implement and enforce organisational procedure to generate site rules for vehicles, plant and crews on the site that comply with legislative requirements and organisational procedures.			
5 Be able to use, record and communicate information	5.1 Give instructions for moving, sorting and storage of waste in accordance with organisational procedures.			
	5.2 Maintain records and provide information for the moving, sorting and storage of waste.			
	5.3 Inform site personnel of all procedures for onsite activities to maintain the quality of the organisation's work.			
	5.4 Monitor and review the work programme and instructions to ensure accuracy.			
	5.5 Communicate work instructions verbally and in writing			
	5.6 Check that employees have understood work instructions.			
	5.7 Advise relevant people about accidents, incidents, interruptions to work, near hits and/or any situations that require their attention.			
	5.8 Maintain a record of training for all staff employed on the site.			
6 Be able to resolve problems which arise during or resulting from the movement, sorting and storage of waste	6.1 Recommend steps to rectify any staff shortages, equipment deficiencies or external factors that prevent the movement, sorting or storage of wastes.			
	6.2 Seek specialist advice to resolve situations which arise outside own area of responsibility.			
	6.3 Implement procedures for dealing with spillages on site and ensure staff compliance.			

Manage the reception of inert waste (OCS13)

Credit: 5				Comments
Level: 4		Evidence Type	Portfolio Ref No	
Learning Outcome	Assessment Criteria			
1. Understand the regulations, procedures and requirements for managing waste operations.	1.1. Describe the legislative requirements, codes of practice and guidance applicable to the reception of inert waste on the site.			
	1.2. Describe the regulatory requirements and organisational procedures for dealing with unauthorised wastes.			
	1.3. Describe the organisational procedures for managing work activities on the site.			
	1.4. Describe the planning permission, permit requirements and environmental management system (EMS) for the site.			
	1.5. Describe the waste inspection, identification procedures and handling requirements for the types of inert waste received on site.			
	1.6. Describe the uses, purposes and processing requirements for documents relating to the reception and validation of inert waste received on the site.			
	1.7. Describe the records required by legislation and by organisational procedures relating to the reception, inspection and validation of inert wastes.			
	1.8. Describe the organisational procedures for the delivery of inert waste to the site.			
2. Understand the health, safety and environmental impacts associated with the reception of inert waste	2.1. Describe the organisational environmental policy and procedures applicable to the site.			
	2.2. Identify hazards associated with the reception of inert waste on site in relation to: <ul style="list-style-type: none"> • health and safety • environment 			

	2.3. Describe risk analysis to minimise hazards to personnel and the environment for the whole workplace.			
	2.4. Describe the potential hazards to health, safety and the environment arising from the reception of inert waste.			
	2.5. State the types of personal protective equipment (PPE) required and how they must be used, maintained and stored.			
3. Be able to implement systems and procedures to manage the reception of inert waste	3.1. Implement systems and procedures for the reception and validation of inert wastes in accordance with legislative and organisational requirements.			
	3.2. Implement systems and procedures that comply with legislative requirements to deal with inert wastes that need specific handling.			
	3.3. Implement systems and procedures that comply with legislative requirements for the rejection of unauthorised inert wastes.			
	3.4. Establish systems to control the movement of vehicles entering, moving around and leaving the site.			
	3.5. Ensure personnel implement procedures and comply with legislative requirements for inert waste reception.			
	3.6. Ensure all procedures for the reception of inert wastes comply with legislative requirements to maintain the quality of the organisation's work.			
	3.7. Implement security arrangements to prevent the unauthorised delivery and removal of inert wastes on the site.			
4. Be able to use and communicate information	4.1. Give instructions to customers and site personnel about the procedures for receiving and validating inert waste.			
	4.2. Maintain records and information systems relating to the reception, inspection and validation of inert wastes that meet legislative requirements.			
	4.3. Check the work programme and instructions are accurate and complete.			
	4.4. Communicate work instructions verbally and in writing.			
	4.5. Check that employees have understood work instructions.			

	4.6. Advise colleagues and managers about accidents, incidents, interruptions to work or any situations that require attention.			
	4.7. Maintain a record of training for all staff employed on transfer, recovery, transport and disposal operations on site.			
	4.8. Notify customers and regulatory authorities of any breaches of the legislative requirements caused by the reception of unacceptable inert waste.			
5. Be able to resolve problems which arise from managing the reception of inert waste	5.1. Take steps to rectify any staff shortages, equipment deficiencies or external factors that prevent the reception of inert wastes.			
	5.2. Seek expert advice to resolve situations which are outside own area of responsibility.			
	5.3. Advise relevant people of any breaches of security or other situations which require their attention.			

Managing disposal operations of inert waste to land (OCS35)

Credit: 8				Comments
Level: 5		Evidence Type	Portfolio Ref No	
Learning Outcome	Assessment Criteria			
1. Know the underpinning legislation controlling the disposal of inert waste to land	1.1. Describe the legislative requirements, regulations, codes of practice and guidance applicable to the disposal of inert waste to land at the site.			
	1.2. Identify the records required by legislation in relation to the disposal of inert waste to land.			
	1.3. Identify the procedures and documentation required for inert waste disposal.			
	1.4. Describe the planning permission, permit requirements and environmental management system (EMS) for the site.			
2. Understand requirements for the safe and effective management of employees on an inert waste to land site	2.1. Describe the organisational procedures for disposal activities.			
	2.2. Describe the procedures for managing work activities on an inert waste to land site.			
	2.3. Describe the operating procedures for all machinery, plant and equipment used on the site for the disposal of inert waste to land.			
	2.4. Identify the manual and mechanical handling techniques that are required for the inert wastes being disposed of to land at the site.			
	2.5. Describe how to communicate work instructions to personnel verbally and in writing.			
	2.6. Explain the importance of ensuring people's understanding of work instructions and how to achieve this.			
	2.7. Explain how to ensure that relevant staff have the required skills and what to do in response to a perceived skills deficit.			
3. Understand how to	3.1. Describe the organisation's environmental policy and procedures			

control operations to minimise risk during inert waste to land operations	applicable to the site.			
	3.2. Identify hazards associated with the disposal of inert waste to land at the site in relation to: <ul style="list-style-type: none"> • health and Safety • environment 			
	3.3. Describe the control measures to reduce or eliminate risks to safety, health and the environment on inert waste to landfill sites.			
	3.4. State the types of personal protective equipment (PPE) required and how they must be used, maintained and stored.			
	3.5. Describe the legal and organisational requirements for recording and reporting risks to health, safety and the environment.			
4. Understand how to manage site procedures for inert waste to land sites	4.1. Describe incoming waste verification procedures at the disposal point.			
	4.2. Describe the daily onsite procedures for securing inert wastes disposed of to land.			
	4.3. Describe the procedures for dealing with spillages and preventing the escape of inert wastes and products of inert waste disposal to land.			
	4.4. Describe the organisational procedures for disposal operations and the supply and use of the resources required.			
	4.5. Describe the procedures and documentation required for disposing of inert waste to land and the monitoring requirements for the site.			
	4.6. Describe the procedures for dealing with inert waste, out of specification wastes and any other rejects from the process.			
	4.7. Identify the storage and handling implications for the inert waste types handled on site.			
	4.8. Identify the types, functions and limitations of inert waste handling equipment available for use on site.			
	4.9. Describe the options and methods used for dealing with bird, vermin, insect, litter, odour, noise, and dust nuisances.			

	4.10. Explain how to interpret process documentation and verify that the information is accurate and related to the inert waste disposal process.			
5. Be able to manage operations for the disposal of inert waste to land	5.1. Implement systems and procedures for inert waste disposal operations in accordance with legislative and organisational requirements.			
	5.2. Make arrangements for an adequate supply of materials, equipment and information needed to carry out inert waste disposal operations on site.			
	5.3. Minimise risks to health, safety and the environment from inert waste disposal operations.			
	5.4. Comply with legal and organisational requirements for reporting risks to health, safety and the environment.			
	5.5. Implement and maintain recording and information systems relating to the inspection of inert waste in accordance with legislative and organisational requirements.			
	5.6. Make arrangements to prevent the escape of inert wastes, outputs and residues from the site.			
	5.7. Make arrangements to prevent and deal with bird, insect, vermin, litter, odour, noise and dust nuisances at the site.			
	5.8. Maintain the quality of the organisation's work by ensuring that all procedures for inert waste disposal to land are adhered to.			
6. Be able to control work activities for the safe disposal of inert waste to land	6.1. Establish and oversee programmes of work which meet legislative and organisational requirements for inert waste disposal operations.			
	6.2. Monitor and maintain systems to ensure that there are sufficient people, with the correct level and expertise available to carry out required operations.			
	6.3. Implement procedures to monitor staff training to ensure compliance with legal and organisational requirements.			
	6.4. Ensure that staff understand and comply with the procedures relating to the disposal of inert wastes to land.			
	6.5. Maintain safe systems of work and put in place precautions to			

	eliminate or mitigate the risk from hazards.			
	6.6. Ensure that resources required to complete work activities safely are provided and maintained.			
	6.7. Identify potential hazards and take steps to reduce risks to personnel and the environment related to inert wastes which are; <ul style="list-style-type: none"> • difficult to handle • likely to contain disguised materials & unacceptable components • unauthorised • likely to present unexpected health problems 			
	6.8. Ensure that inert waste disposed of to land is left secure at the end of each working day in accordance with legislative and organisational requirements.			
7. Be able to resolve problems which arise during and resulting from site operations for the disposal of inert waste to land	7.1. Take action to rectify any staff shortages, equipment deficiencies or external causes that prevent the disposal of inert wastes to land.			
	7.2. Seek expert advise to resolve situations which are outside the responsibility of the job role.			
	7.3. Implement procedures for dealing with spillages on site and ensure that staff understand and follow the prescribed procedures.			
	7.4. Make arrangements for the temporary storage or diversion of inert wastes when weather conditions or emergencies prevent it from being disposed of to land or transferred off-site.			

Optional Units

Restore and prepare landfill sites for aftercare (OCS42)

Credit: 8				Comments
Level: 4		Evidence Type	Portfolio Ref No	
Learning Outcome	Assessment Criteria			
1. Understand the legislative requirements for restoring and preparing landfill sites for aftercare	1.1. Describe the legislative requirements, regulations, codes of practice and guidance applicable to restoring and preparing landfill sites for aftercare.			
	1.2. Describe the planning permission, permit requirements and environmental management system (EMS) for the site.			
	1.3. Describe the records required by legislation in relation to the aftercare of landfill sites.			
	1.4. Explain why it is important to monitor the site hydro geological conditions.			
2. Understand the organisational procedures for restoring and preparing landfill sites for aftercare	2.1. Describe the organisational procedures for managing work activities.			
	2.2. Describe the organisational procedures for restoration and aftercare operations.			
	2.3. Describe the operating procedures for all machinery, plant and equipment used on the site when preparing it for aftercare.			
	2.4. Describe the organisational procedures for maintaining site security on landfill sites undergoing restoration operations.			
	2.5. Describe the handling techniques that are suitable for the materials being used to prepare the site for aftercare.			
	2.6. Describe the methods used to deal with birds, vermin, insect, dust, noise and litter during restoration and aftercare operations.			
3. Know how to identify risks and manage work-related hazards	3.1. Identify hazards associated with restoration and aftercare operations in relation to: <ul style="list-style-type: none"> • health and safety • environment 			

	3.2. Describe the control measures to reduce or eliminate risks to safety, health and the environment on the site.			
	3.3. Describe the organisational procedures for dealing with spillages and emissions.			
	3.4. State the types of personal protective equipment (PPE) required and how they must be used, maintained and stored.			
	3.5. Describe the legal and organisational requirements for recording and reporting risks to health, safety and the environment.			
4. Be able to manage the restoration of landfill sites	4.1. Check that the restoration scheme meets legislative and organisational requirements.			
	4.2. Make arrangements for the supply of materials, equipment and engineering resources required for restoration operations.			
	4.3. Implement systems and procedures for restoration operations that comply with legislative requirements.			
	4.4. Monitor staff activity during restoration operations to ensure the quality of the organisation's work is maintained.			
5. Be able to manage the preparation of landfill sites for aftercare	5.1. Check the proposals for pre-closure site operations meet with the requirements for restoration, aftercare and the intended use of the site.			
	5.2. Implement systems and procedures to ensure site closure complies with legislative and organisational aftercare requirements.			
	5.3. Check that consultations on the maintenance of the aftercare scheme are carried out with key stakeholders.			
6. Be able to manage information for the preparation of landfill sites for aftercare	6.1. Identify key stakeholders that require involvement in the aftercare scheme.			
	6.2. Communicate details of the restoration and aftercare scheme to key stakeholders.			
	6.3. Maintain records of restoration and aftercare activity in accordance with legislative and organisational requirements.			
	6.4. Ensure site monitoring records are forwarded to the regulatory authority in accordance with legislative requirements.			

7. Be able to resolve problems which arise from restoring and preparing landfill sites for aftercare	7.1. Take steps to rectify any staff shortages, equipment deficiencies or external factors that prevent the landfill site from being prepared for aftercare.			
	7.2. Resolve any problems which may affect the implementation of schemes for restoration and aftercare within own area of responsibility.			
	7.3. Seek specialist advice to resolve situations which are outside the responsibility of the job role.			

Developing restoration and aftercare schemes for inert landfill site (OCS45)

Credit: 8				Comments
Level: 4		Evidence Type	Portfolio Ref No	
Learning Outcome	Assessment Criteria			
1. Understand the legislative requirements for developing restoration and aftercare schemes	1.1. Describe the legislative requirements, regulations, codes of practice and guidance applicable to restoration and aftercare schemes.			
2. Understand the organisational procedures for developing restoration and aftercare schemes for inert waste landfill sites	2.1. Explain why it is important to develop restoration and aftercare schemes for inert waste landfill sites.			
	2.2. Describe the organisational procedures for managing restoration operations.			
	2.3. Describe the organisational procedures for managing aftercare operations.			
	2.4. Describe the organisational procedures for maintaining the security of inert landfill sites undergoing restoration and aftercare.			
	2.5. Describe the methods used to deal with birds, vermin, insect, dust, noise and litter during restoration and aftercare operations.			
3. Know how to identify risks and manage work-related hazards	3.1. Identify hazards associated with restoration and aftercare schemes in relation to: <ul style="list-style-type: none"> • Health and safety • Environment 			
	3.2. Describe the control measures to reduce or eliminate risks to safety, health and the environment on the site.			
	3.3. State the types of personal protective equipment (PPE) required and how they must be used, maintained and stored.			
	3.4. Describe the legal and organisational requirements for recording			

	and reporting risks to health, safety and the environment.			
4. Be able to prepare restoration and aftercare schemes for inert waste landfill sites	4.1. Use information available to develop a scheme for progressive or final restoration of the site in accordance with legislative and organisational requirements.			
	4.2. Identify key stakeholders that will need to be involved in the development and implementation of the restoration scheme.			
	4.3. Consult with key stakeholders on the proposed restoration scheme.			
5. Be able to identify the resource requirements of restoration and aftercare schemes for inert waste landfills	5.1. Specify the engineering resources required for the restoration scheme.			
	5.2. Specify the materials required for the restoration scheme.			
	5.3. Specify the personnel required for the restoration scheme.			
6. Be able to finalise restoration and aftercare schemes for inert waste landfill sites	6.1. Obtain the necessary approval in accordance with organisational procedures.			
	6.2. Communicate final scheme to key stakeholders.			
7. Be able to develop management systems to support the implementation of restoration and aftercare schemes for inert waste landfill sites	7.1. Check the proposals for pre-closure site operations meet with the requirements for restoration, aftercare and the intended use of the site.			
	7.2. Develop and maintain systems and procedures for closure and restoration operations that comply with legislative requirements.			
	7.3. Develop systems and procedures to maintain records of the restoration scheme in accordance with legislative requirements.			
	7.4. Develop the work programme and operational instructions for the aftercare scheme.			
8. Be able to resolve problems that occur during the	8.1. Develop a contingency plan for staff shortages, equipment deficiencies or external factors that prevent the site being prepared for aftercare or compliant with legislation.			

<p>development of restoration and aftercare schemes for inert waste landfill</p>	<p>8.2. Seek specialist advice to resolve situations which are outside the responsibility of the job role.</p>			
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Prepare landfill sites for the acceptance of inert waste (OCS48)

Credit: 8				Comments
Level: 4		Evidence Type	Portfolio Ref No	
Learning Outcome	Assessment Criteria			
1. Understand the legislative and organisational requirements to prepare landfill sites	1.1. Describe the legislative requirements for any construction work involved on the site.			
	1.2. Identify any contractual conditions that apply to cell preparation.			
	1.3. Describe the requirements for the placement and integrity of the geological barrier and its protection from the initial layer of inert waste.			
	1.4. Describe the site procedures for the management control of cell preparation operations.			
	1.5. Describe the control and management systems needed for surface water drainage and gas and leachate management.			
	1.6. Describe the importance of site hydro geological conditions.			
	1.7. Describe the planning permission, permit requirements and environmental management systems (EMS) relevant to preparing landfill sites.			
	1.8. Describe the permit requirements relevant to hydro geological conditions.			
2. Understand how to maintain adequate resources for site operations	2.1. Describe the organisational procedures for engineering operations and the supply and use of the resources required.			
	2.2. Describe the operating procedures for all machinery, plant and equipment used in site preparation.			
	2.3. Identify the technical skills needed to prepare the site for disposal operations.			
	2.4. Describe how to ensure all staff involved in preparation of landfill sites have the required skills.			
3. Be able to	3.1. Ensure that legislative requirements permit the proposed activity			

prepare landfill sites for the acceptance of inert waste	on site.			
	3.2. Ensure that the details of the engineering specification have been agreed prior to the start of operations.			
	3.3. Confirm that the resources required for engineering activities are provided in accordance with the engineering specification.			
	3.4. Implement procedures to ensure that engineering activities comply with legislative requirements.			
	3.5. Communicate the content of engineering proposals to operational staff regarding work to be carried out.			
	3.6. Maintain procedures to ensure accurate site engineering and quality assurance records are forwarded to the regulatory authority in compliance with legislative requirements.			
	3.7. Confirm that arrangements have been made for the construction to be inspected and approved by the regulatory authorities.			
	3.8. Implement operational procedures to protect the integrity of the geological barrier.			
	3.9. Maintain environmental protection systems.			
	3.10. Implement procedures for dealing with accidents, incidents and spillages on site.			
4. Be able to use and communicate data and information	4.1. Ensure the work programme and operational instructions for the preparation of landfill sites are complete and accurate.			
	4.2. Communicate the programme of work and operational instructions to site personnel.			
	4.3. Keep accurate records of site conditions and activities including; <ul style="list-style-type: none"> • construction progress • completion certificates • regulatory visits • alterations to requirements 			
	4.4. Advise colleagues and managers about accidents, incidents, interruptions to work or any situations that require their attention.			
	4.5. Maintain a record of training for all staff employed in site preparation.			

5. Be able to resolve problems which arise from preparing landfill sites for the acceptance of inert waste	5.1. Take steps to deal with any circumstances which fail to comply with legislative requirements.			
	5.2. Take steps to rectify issues preventing the continuation of work activities.			
	5.3. Refer issues which fall outside of the responsibility of the job role.			

Glossary

Dynamic risk assessment refers to the continuous process of identifying hazards and assessing risk as they arise during work activities so operators can take action to eliminate or reduce risk, as well as monitor and review existing control measures.

Hazard refers to a potential source of harm or negative health effect.

Hazardous waste refers to waste that is dangerous or potentially harmful to our health or the environment. Hazardous wastes can be liquids, solids, gases, or sludges.

Health and safety refers to the regulations and procedures intended to prevent accident or injury.

Inert waste refers to waste that does not experience any significant physical, chemical or biological transformations e.g. it will not dissolve, burn, react, biodegrade or adversely affect other matter.

Operator refers to the person who has control over the operation of a regulated facility

Organisational procedures refer to a series of principles, rules and guidelines designed to ensure organisations reach their long-term goals.

Personal protective equipment (PPE) refers to protective clothing, helmets, goggles or other equipment designed to protect your body from harm.

Risk refers to a situation that exposes someone or something of value to danger.

Risk assessment refers to a systematic process you are required to carry out by law to evaluate potential risks that may be involved in an activity.

Training refers to an organised activity designed to teach a person a particular skill or behaviour to improve performance.

Waste refers to a material, substance or by-product eliminated or discarded as no longer useful or required after the completion of a process.

Waste hierarchy prioritises ways of dealing with waste based on how good they are for the environment.

Working at height refers to any place where a person could fall a distance liable to cause personal injury.

Qualification Structure

Mandatory Units

Learners will need to complete all of the mandatory units:

Ofqual Code	Title	Credits	Level	Code
A/508/0756	Maintain health and safety in the waste and resource management industry	4	4	OCS01
F/508/0757	Manage the environmental impact of work activities	3	4	OCS02
F/508/0760	Manage the movement, sorting and storage of waste	5	4	OCS05
L/508/0888	Manage the reception of inert waste	5	4	OCS13
Y/508/1008	Managing disposal operations of inert waste to land	8	4	OCS35

Optional Units

Learners will need to select one of the following optional units:

Ofqual Code	Title	Credits	Level	Code
F/508/1021	Restore and prepare landfill sites for aftercare	8	4	OCS42
F/508/1018	Develop restoration and aftercare schemes for inert landfill site	8	4	OCS45
Y/508/1011	Prepare Landfill sites for the acceptance of inert waste	8	4	OCS48



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