



City & Guilds NPTC Level 2 Award in the Safe Use of Sheep Dip (0141-03)

November 2022 Version 1.1

Qualification Handbook

Qualification at a glance

Industry area	Livestock
City & Guilds number	0141-03
Age group	16-19, 19+
Entry requirements	Centres must ensure that any pre-requisites stated are met.
Assessment	<p>To gain this qualification, candidates must successfully achieve the following assessments:</p> <ul style="list-style-type: none"> • One to one practical assessment with oral questioning by an NPTC City & Guilds approved assessor • Multiple choice online test
Grading	Pass only
Approvals	<p>Full centre approval</p> <p>Qualification approval</p>
Support materials	n/a
Registration and certification	Registration and certification of this qualification is through the Walled Garden and is subject to end dates.

Title and level	Size (GLH)	TQT	City & Guilds qualification number	Ofqual number
City & Guilds NPTC Level 2 Award in the Safe Use of Sheep Dip	14	20	0141-03	500/7692/9

Version and date	Change detail	Section
1.0 September 2022	First version	All
1.1 November 2022	Updated details about how to record assessment results	Section 4 Assessment

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1 Introduction

Purpose of the qualification

The following purpose is for the **City & Guilds NPTC Level 2 Award in the Safe Use of Sheep Dip**.

Area	Description
OVERVIEW	
Who is this qualification for?	<p>This qualification is a License to Practice qualification and is for every person that uses Sheep Dip (Organophosphate). Working with this product is dangerous to the workforce, to food production and to the environment. Industries in the UK are required to have fully trained and competent operatives/personnel who can work with and apply organophosphate safely.</p> <p>This qualification is suitable for operatives/personnel seeking entry into, or already working in a related job.</p>
What does the qualification cover?	<p>This qualification covers the safe application, storage, and disposal of organophosphate.</p>
What opportunities for progression are there?	<p>Once a person has successfully completed this qualification it would aid progression into employment.</p>
Who did we develop the qualification with?	<p>Veterinary Medicines Directorate Health and Safety Executive Environment Agency Executive Agency of the Government's Department for Environment, Food & Rural Affairs</p>

Qualification structure

For the **City & Guilds NPTC Level 2 Award in the Safe Use of Sheep Dip** learners must be trained and assessed against the following two mandatory units below.

The qualification will be awarded to candidates who achieve **Unit 02** and **Unit 03**.

Unit number	Unit title	Mandatory or Optional	GLH	Credits	Assessment
02	Initial practical assessment prior to sheep being dipped	Mandatory	7	1	Practical observation
03	Know how to sheep dip	Mandatory	7	1	Online test via e-volve
01	Practical sheep dipping	Optional	7	2	Practical observation

Total Qualification Time

Total Qualification Time (TQT) is the number of notional hours which represents an estimate of the total amount of time that could reasonably be expected for a learner to demonstrate the achievement of the level of attainment necessary for the award of a qualification.

TQT is comprised of the following two elements:

- 1) The number of hours that an awarding organisation has assigned to a qualification for Guided Learning, and
- 2) An estimate of the number of hours a learner will reasonably be likely to spend in preparation, study or any other form of participation in education or training, including assessment, which takes place as directed by - but, unlike Guided Learning, not under the immediate guidance or supervision of - a lecturer, supervisor, tutor or other appropriate provider of education or training.

Title and level	GLH	TQT
City & Guilds NPTC Level 2 Award in the Safe Use of Sheep Dip	14	20

2 Centre requirements

Approval

New centres will need to gain centre approval. Existing City & Guilds centres who do not currently offer this qualification must go through the Qualification Approval (QAP) process. Please email qasupport@cityandguilds.com for further information on the approval process

Centre staffing

Staff delivering these qualifications must be able to demonstrate that they meet the following requirements:

- be technically competent in the areas in which they are delivering
- be able to deliver across the breadth and depth of the content of the qualification being taught
- have recent relevant teaching and assessment experience in the specific area they will be teaching, or be working towards this
- demonstrate continuing CPD.

Physical resources

Centres must be able to demonstrate that they have access to the equipment and technical resources required to deliver this qualification and its assessments.

Assessment Guidance for the Assessor

Staff assessing these qualifications must be approved Certificate of Competence City & Guilds NPTC assessors and **must be independent and cannot have been involved with the training of the candidate**. This qualification can only be assessed by an assessor who is suitably qualified and meets the requirements of the awarding body.

Certificate of Competence City & Guilds NPTC assessors must meet the following requirements:

- show competence and provide evidence of industry expertise in the qualification/s they wish to assess
- hold the qualification as a candidate and have been technically evaluated as an assessor
- be up to date with their verification and relevant first aid
- demonstrate continuing technically relevant CPD

Compliance with these requirements is a pre-requisite for assessors remaining on the list of approved assessors.

Verification is a process of monitoring assessment; it is an essential check to confirm that the assessment procedures are being carried out in the way City & Guilds has laid down. The overall aim of verification is to establish a system of quality assurance that is acceptable in terms of both credibility and cost effectiveness and approved assessors will be subject to a regular visit by the Verifier at a time when assessments are being undertaken.

A selection of assessment reports completed by the assessor will be evaluated by a City & Guilds approved Quality Consultant.

Safe Practice

At all times, candidates must comply with the current best practice guidelines. Please refer to the most current English or Devolved Authority guidance and publications: e.g.,

- HSE (Leaflet AIS41 Sheep dipping Advice for farmers and others involved in dipping sheep)
- GOV.UK guidance - Retail of veterinary medicines
- Code of Practice Mobile Sheep Dipping
- Department for Environment, Food & Rural Affairs (Code of Practice for the protection of groundwater).

When handling concentrated dips, the operators should wear:

- non-lined synthetic rubber gloves (heavy duty gauntlet-style PVC or nitrile at least 0.5 mm thick and at least 300 mm long)
- wellington boots
- waterproof leggings or trousers made of nitrile or PVC – worn outside of boots
- a waterproof coat or a bib apron made of nitrile or PVC over a boiler suit or similar
- a face shield.

When working with dilute dip wash:

- wear the same type of gloves, boots, leg and body protective clothing as for concentrated dips
- consider wearing a face shield or waterproof hat during dipping to protect your face, head and hair from splashes.

Any equipment used must be operated in such a way that the candidate, assessor, other persons or equipment are not endangered.

Failure to operate safely and comply with these requirements will result in the candidate not meeting the required standard.

Validation of Equipment

A Manufacturer's instruction book or other operators' manual should be available.

A static or mobile sheep dip complying with legal requirements is acceptable for the assessment of **Unit 01** and **Unit 02** provided it is suitably equipped for all assessment activities to be carried out. A closed transfer system must be used for dispensing the dip product.

Animal Welfare

Throughout this assessment a high emphasis is placed on animal welfare, which will underpin the whole of this qualification.

Age restrictions

This qualification is approved for learners aged 16 – 19, 19+.

3 Administration

Approved centres must have effective quality assurance systems to ensure valid and reliable delivery and assessment of qualifications. Quality assurance includes initial centre registration by City & Guilds and the centre's own internal procedures for monitoring quality assurance procedures.

Consistent quality assurance requires City & Guilds and its associated centres to work together closely; our Quality Assurance Model encompasses both internal quality assurance (activities and processes undertaken within centres) and external quality assurance (activities and processes undertaken by City & Guilds).

External quality assurance

City & Guilds will undertake external moderation activities to ensure that the quality assurance criteria for this qualification are being met. Centres must ensure that they co-operate with City & Guilds staff and representatives when undertaking these activities.

City & Guilds requires the Head of Centre to

- facilitate any inspection of the centre which is undertaken on behalf of City & Guilds
- make secure arrangements to receive, check and keep assessment material secure at all times, maintain the security of City & Guilds confidential material from receipt to the time when it is no longer confidential and keep completed assignment work and examination scripts secure from the time they are collected from the candidates to their dispatch to City & Guilds.

Malpractice

Please refer to the City & Guilds guidance notes *Managing cases of suspected malpractice in examinations and assessments*. This document sets out the procedures to be followed in identifying and reporting malpractice by candidates and/or centre staff and the actions which City & Guilds may subsequently take. The document includes examples of candidate and centre malpractice and explains the responsibilities of centre staff to report actual or suspected malpractice. Centres can access this document on the City & Guilds website.

Examples of candidate malpractice are detailed below (please note that this is not an exhaustive list):

- falsification of assessment evidence or results documentation
- plagiarism of any nature
- collusion with others
- copying from another candidate (including the use of ICT to aid copying), or allowing work to be copied
- deliberate destruction of another's work
- false declaration of authenticity in relation to assessments
- impersonation.

These actions constitute malpractice, for which a penalty (eg disqualification from the assessment) will be applied.

Where suspected malpractice is identified by a centre after the candidate has signed the declaration of authentication, the Head of Centre must submit full details of the case to City &

Guilds at the earliest opportunity. Please refer to the form in the document *Managing cases of suspected malpractice in examinations and assessments*. Alternatively, please complete the form, JCQ/M1. Copies of this form can be found on the JCQ website: <http://www.jcq.org.uk>

Access arrangements and special consideration

We have taken note of the provisions of equalities legislation in developing and administering this specification.

We can make arrangements so that candidates with disabilities, special educational needs and temporary injuries can access the assessment. These arrangements must be made before assessment takes place.

It is the responsibility of the centre to ensure at the start of a programme of learning that candidates will be able to access the requirements of the qualification.

Please refer to the *JCQ access arrangements and reasonable adjustments and Access arrangements - when and how applications need to be made to City & Guilds* for more information. Both are available on the City & Guilds website:

<http://www.cityandguilds.com/delivering-our-qualifications/centre-development/centre-document-library/policies-and-procedures/access-arrangements-reasonable-adjustments>

Special consideration

We can give special consideration to candidates who have had a temporary illness, injury or indisposition at the time of the examination. Where we do this, it is given after the examination.

Applications for either access arrangements or special consideration should be submitted to City & Guilds by the Examinations Officer at the centre. For more information, please consult the current version of the JCQ document, *A guide to the special consideration process*.

Complaints and Appeals

NPTC and its Assessment Centres have a formal Complaints and Appeals procedure. In the event of a any dissatisfaction with the arrangements and conditions of assessment, the candidate should first contact the Assessment Centre through whom the assessment was arranged and submit the complaint in writing.

For further information on NPTC's Equal Opportunities Policy and Complaints and Appeals Procedures, please refer to www.nptc.org.uk

4 Assessment

Overview

Unit	Title	Mandatory/ Optional	Assessment	Evolve Booking Code
02	Initial practical assessment prior to sheep being dipped	Mandatory	Oral questions in the vicinity of a sheep dip	n/a
03	Know how to sheep dip	Mandatory	Online multiple-choice test on e-evolve	0141-052 (English) OR 0141-054 (Bilingual/Welsh)
01	Practical sheep dipping	Optional	Practical	n/a

Carrying out the assessment

Unit 02 Initial assessment prior to sheep being dipped (Mandatory)

The assessment is carried out on a one candidate to one assessor basis, using oral questions in the vicinity of a sheep dip.

Unit 03 Know how to sheep dip (Mandatory)

This is assessed through an e-evolve online test.

Unit 01 Practical sheep dipping (Optional)

This unit is optional and involves a practical assessment involving the dipping of sheep and the candidate's ability to use, store and dispose of sheep dips safely. Candidates are actively encouraged to complete **Unit 01** of the assessment, although it is optional.

The appropriate authorisation from the appropriate Environmental Regulator must have been granted for the disposal of the sheep dip though there is no requirement for the assessor to check this; it is the responsibility of the candidate to ensure this has been granted.

The candidate must be registered through an NPTC approved assessment centre prior to assessment.

Assessment time

The expected assessment time is approximately:

- **Unit 02** – 1 hour 15 minutes
- **Unit 03** – 1 hour
- **Unit 01** – 30 minutes.

Grading

The qualification will be awarded to candidates who meet the assessment requirements for **Unit 02** and **Unit 03**. The assessment(s) can be achieved at pass only. If any task is not yet met the candidate is unsuccessful.

Additional information

During the assessment, the candidate may refer to operator manuals, training materials or safety publications, but they may **not** refer to the Qualification Guidance Documents.

General guidance on the requirements for assessment can be found in the Assessor Guidance document available on the City & Guilds web site **www.nptc.org.uk**.

The assessor must complete the Practical Table mark sheet for each candidate which should be kept by the assessor for a minimum period of twelve months.

Assessment and registration

Assessment is a process by which it is confirmed that the candidate is competent in the Units within the award to which the assessment relates. It is a process of collating evidence about his/her capabilities and judging whether that evidence is sufficient to attribute competence.

The candidate must be registered through a City & Guilds approved Assessment Centre for this qualification, prior to assessment. The result of the assessment will be recorded on the Candidate Assessment Report Form (CARF).

ARAS forms

An Assessment Result Advice Slip (ARAS form) must be completed by the assessor following an assessment. The ARAS is not a certificate but, based on the evidence of the candidate's performance, is a recommendation to City & Guilds that the candidate has either met or not met the assessment criteria. All feedback is to be recorded by the assessor on the feedback section of the ARAS form.

Test Specification

The way the knowledge is covered is laid out in the table below:

Paper: **0141-052 (English language)** and **0141-054 (Welsh language/bilingual)**
 Paper title: **Level 2 Award in the Safe Use of Sheep Dip**

Assessment type: Online multiple-choice test

Assessment conditions: Invigilated

Grading: Pass/Fail

Grade boundaries: The pass mark is set at 80%

Unit 03	Duration: 1 hour		
Learning Outcome	Assessment criteria	No of items / marks	
LO1 Parasite Knowledge	1.1 Identify the external parasites of sheep	3	6
	1.2 Describe precautionary measures sheep farmers can take to reduce the chances of external parasites entering their flocks	1	
	1.3 Explain the important steps in the treatment of external parasites	1	
	1.4 Identify the signs of external parasites	1	
LO2 Health & Safety	2.1 Describe the tasks that must be done beforehand to ensure safe dipping	2	14
	2.2 Explain the requirements of the Control of Substances Hazardous to Health (COSHH) Regulations	1	
	2.3 Explain the main aims of all involved in sheep dipping and essential features to protect people that should be taken into account when siting a sheep dip	1	
	2.4 Identify those who should not be present in the dipping area	1	
	2.5 Describe occasions when operators could be exposed to concentrate sheep dip	1	
	2.6 Describe occasions when operators could be exposed to dilute sheep dip	1	
	2.7 Describe the action to be taken in the case of splashes of sheep dip concentrate onto skin or PPE, heavy contamination on PPE with dip concentrate, heavy contamination of person with diluted dip, and contamination of personal clothing worn under PPE	3	
	2.8 Identify symptoms of poisoning in people	1	
	2.9 Describe key steps to be taken when an operator feels ill during dipping	1	
	2.10 Describe precautions which should be taken when handling sheep (and extra precautions when handling wet sheep) during the weeks following dipping	1	

	2.11 Explain why it is important to follow the “withdrawal period” as on the product label/data sheet	1	
LO3 Environment	3.1 Describe key features of a sheep dip facility that help to prevent environmental contamination	1	12
	3.2 Explain the key requirements for the safe long-term storage of sheep dip concentrate	1	
	3.3 Describe precautions that should be in place in case of a spill of concentrated sheep dips	1	
	3.4 Explain the requirements to help ensure the sheep dip concentrate will be kept safely during the dipping operation	2	
	3.5 Explain where to obtain advice and guidance when using a sheep dip	1	
	3.6 Describe safe ways of disposing of surplus sheep dip concentrate and safe ways of disposing of spent, diluted sheep dip	2	
	3.7 Explain the requirements that would identify a suitable area of land for spreading diluted sheep dip	2	
	3.8 Describe precautions that should be taken when dealing with empty sheep dip containers	1	
	3.9 Describe the dangers which may arise from incorrect disposal of used (dilute) sheep dip	1	
LO4 Animal Welfare	4.1 Describe occasions when sheep should not be dipped	2	3
	4.2 Describe ways of minimising stress to sheep during dipping	1	
TOTAL		35	

5 Units

Unit 02

Initial practical assessment prior to sheep being dipped

Level	2
GLH	7
Assessment method	Practical observation
Unit aim	The aim of this unit is to prepare learners to be able to use sheep dip safely but does not involve the dipping of sheep. It is carried out on a one candidate to one assessor basis, using oral questioning in the vicinity of sheep dip.

Learning outcome:

1. Be able to undertake an initial practical assessment prior to sheep being dipped.

Assessment criteria:

- 1.1 outline the essential factors to include in an overall strategy to control external parasites for a specified flock
- 1.2 describe the procedures to consider when accurately identifying specific external parasites
- 1.3 identify the essential contents of a product data sheet/product label
- 1.4 describe the groups of product types for the treatment of external parasites in sheep
- 1.5 calculate capacity of dip bath and the quantity of concentrate dip required
- 1.6 select and put on PPE as specified on the data sheet / product label / COSHH assessment
- 1.7 add concentrate dip replenishment to a stated quantity of liquid in dip
- 1.8 clean, remove and store PPE safely
- 1.9 assess and report on the effective safe “run-off” from sheep after dipping and the importance of keeping freshly dipped sheep away from water courses
- 1.10 operate the engineering controls on a sheep dip (static or mobile) and state the reasons for the siting, construction and maintenance of the dip, including collecting and draining pens
- 1.11 outline the essential safety points necessary for the safe disposal of used dilute product from the dip
- 1.12 outline the factors to consider when using alternatives to plunge dipping for the control of external parasites
- 1.13 explain why animal welfare is essential for those undertaking the dipping of sheep
- 1.14 describe the precautions to be taken before persons involved in the dipping operation eat, drink, smoke, or use the toilet
- 1.15 describe the factors to record following each dipping operation

Scope of content

This section gives details of the scope of content to be covered in the teaching of the unit to ensure that all the learning outcomes can be achieved.

Topic 1.1

May include:

- Legislative requirements for:
 - health of stock
 - employers
 - operators
 - purchasers of product concentrate
 - protection of the environment.
- Pre-dipping checks to minimise risks to animals, people and the environment.
- Importance of condition of sheep at time of dipping, fleece length, cleanliness of fleece.
- Time of dipping for external parasites.
- Dip sited in accordance with national codes.
- Safe and effective operation of dip facilities and equipment.
- Accident and emergency procedures are in place.
- Additional requirements of Code of Practice Mobile Sheep Dipping.
- Additional requirements relating to English or Devolved Authority guidance.

Topic 1.2

May include:

- Check physical signs:
 - wool loss
 - body condition
 - Irritation / agitation of sheep.
- Area(s) of body affected.
- Identification of parasite.
- Time of year / weather conditions.

Topic 1.3

To include:

- Trade names.
- Active substance(s).
- Legal category.
- Hazardous substance categorisation.
- Warnings / Precautions:
 - before dipping
 - during dipping
 - following dipping.
- Personal Protective Equipment (PPE) requirements.
- Batch number.
- Expiry date.
- Target parasites.
- Dilution rates (initial and replenishment).
- Dispensing requirements.
- Dipping procedure.
- Withdrawal period.
- Washing and cleaning the equipment.
- Storage requirements.
- Medical advice in case of emergency.
- Recommend safe disposal.

Topic 1.4

To include:

- Any Veterinary Medicinal Product (either active ingredient or trade name) authorised in the UK for use against Sheep Scab Mite as at the date of the assessment.
- Any Veterinary Medicinal Product (either active ingredient or trade name) authorised in the UK for use against Blowfly as at the date of the assessment.
- Any Veterinary Medicinal Product (either active ingredient or trade name) authorised in the UK for use against Ticks as at the date of the assessment.
- Any Veterinary Medicinal Product (either active ingredient or trade name) authorised in the UK for use against Lice as at the date of the assessment.
- Any Veterinary Medicinal Product (either active ingredient or trade name) authorised in the UK for use against Keds as at the date of the assessment.

References from VMD: <https://www.vmd.defra.gov.uk/productinformationdatabase>

Topic 1.5

To include:

- Accuracy of calculations.
- Use of product label.
- Initial and replenishment procedure.

Topic 1.6

To include:

- Select PPE according to product data sheet / product label / COSHH assessment.
- Check condition of PPE.
- Put on PPE in progressive order.

Topic 1.7

To include:

- Safe work area for siting closed transfer system (CTS).
- Correct use of PPE.
- Knowledge of installation and operation of CTS.
- Priming of CTS equipment.
- Accurate transfer of concentrate dip by CTS.
- Knowledge of cleaning CTS equipment and container.
- Temporary provision for safe storage of concentrate dip.

Topic 1.8

To include:

- Appropriate site for cleaning.
- Cleaning procedure (wash & brush).
- Correct order of removal.
- Check condition of PPE.
- Store in clean, dry, protected area.
- Correct disposal of damaged PPE and contaminated washings.

Topic 1.9

- Safe run-off:

- Adequate draining pen area (away from watercourses).
- Efficient return of run-off back to dip tank/bath.

- Adequate time for sheep to drain.
- Avoiding contamination of water:
- Risks of pollution to groundwater or other water courses.
 - Understanding of period required for dip to lose toxicity.
 - Increasing concerns regarding all forms of “water” risks, e.g., recreational use, water abstraction.

Topic 1.10

To include:

- Correct operation of controls in accordance with AIS41 guidance.

Reasons (using AIS41 guidance as a reference) may include:

- Welfare of sheep.
- Protection of people.
- Protection of the environment.
- Efficient sheep movement and control.
- Position of sheep dip bath / site selection for mobile dip bath.
- Layout of dipping facilities.
- Present condition (absence of wear/damage).
- Design features (faults and attributes).
- Means of improving layout and design.
- Provision of adequate water supply and cover for dip when not in use.

Topic 1.11

May include:

- Temporary storage requirements pending disposal.
- Use of a registered waste carrier.
- When applying to suitable land:
 - Authorisation from the appropriate agency
 - Identification of suitable land
 - Correct dilution rate (1 part dip to 3 parts slurry or water)
 - Correct application rate (maximum 5000 litres per hectare).
- Records of waste sheep dip disposal (retained for 5 years)
- Minimising risks to personnel, animals and wildlife.
- Minimising environmental pollution.

Topic 1.12

May include:

- Alternatives to plunge dipping:
 - pour-on
 - spot treatment
 - injectable.
- Effectiveness of treatment.
- Ectoparasiticide/Anthelmintic resistance.
- Cost factors.
- Requirement to use contractor services.

Topic 1.13

May include:

- Meet animal welfare legislation.
- Market considerations and consumer-confidence.
- Maintain productive performance in stock.
- Maintain moral responsibilities.
- Maintain compliance with overall stock health scheme.

Topic 1.14

To include:

- Wash and remove PPE.
- Move away from dipping area.
- Wash hands, face and exposed skin with soap and water.

Topic 1.15

To include:

- Trade name of product used.
- Active substance(s).
- Amount used.
- Supplier.
- Batch number.
- Treatment dates.
- End of withdrawal period.
- Number and identification of sheep treated.
- All persons involved and present at any time.
- Method of dip disposal.

Unit 03

Know how to sheep dip

Level	2
GLH	7
Assessment method	Multiple-choice online test
Unit aim	The aim of this unit is to prepare learners with the knowledge and understanding to be able to use sheep dip safely.

Learning outcome:

1. Know about parasites.

Assessment criteria:

- 1.1 identify the external parasites of sheep
- 1.2 describe precautionary measures sheep farmers can take to reduce the chances of external parasites entering their flocks
- 1.3 explain the important steps in the treatment of external parasites
- 1.4 identify the signs of external parasites

Scope of content

This section gives details of the scope of content to be covered in the teaching of the unit to ensure that all the learning outcomes can be achieved.

Topic 1.1

Includes:

- Mite.
- Tick.
- Louse.
- Ked.
- Blowfly.

Topic 1.2

Biosecurity measures followed, including:

- Maintain a closed flock or work within closed flock principles.
- Assess risks of buying sheep through markets.
- Purchase replacement stock from a reputable source.
- Ensure vehicles used to transport stock are cleaned and disinfected before use.
- Keep purchased stock separate from main flock until health status confirmed.
- If necessary, treat replacement stock when they arrive on the farm.
- Ensure all boundary fences are secure.
- Ensure contractors have taken appropriate precautions against importing external parasites.

Topic 1.3

Includes:

- Correct identification of problem.
- Treat with the most effective product.
- Read and follow instructions on the product data sheet/product label.
- Use the most effective method of treatment.
- Time the application for the best effects.
- Ensure product is mixed at the correct dilution rate.
- Report an adverse event, including lack of efficacy, to the VMD (SARSS).

Topic 1.4

Includes:

- Rubbing.
- Agitated.
- Loss of wool.
- Loss of condition.
- Death of Animal.

Learning outcomes:

2. Know about health and safety.

Assessment criteria:

- 2.1 describe the tasks that must be done beforehand to ensure safe dipping
- 2.2 explain the requirements of the Control of Substances Hazardous to Health (COSHH) Regulations
- 2.3 explain the main aims of all involved in sheep dipping and essential features that should be taken into account to protect people when siting a sheep dip
- 2.4 identify those who should **not** be present in the dipping area
- 2.5 describe occasions when operators could be exposed to **concentrate** sheep dip
- 2.6 describe occasions when operators could be exposed to **dilute** sheep dip
- 2.7 describe the action to be taken if the following occurs:
 - splashes of sheep dip **concentrate** get on to the exposed skin or PPE
 - PPE becomes heavily contaminated with sheep dip **concentrate**
 - a person is heavily contaminated with **diluted** sheep dip (e.g. falls into dip bath)
 - personal clothing worn under PPE becomes contaminated.
- 2.8 identify symptoms of poisoning in people
- 2.9 describe key steps to be taken when an operator feels ill during dipping
- 2.10 describe precautions which should be taken when handling sheep during the weeks following dipping and **extra** precautions when handling wet sheep during the weeks following dipping
- 2.11 explain why it is important to follow the “withdrawal period” as on the product data sheet/product label

Scope of content

This section gives details of the scope of content to be covered in the teaching of the unit to ensure that all the learning outcomes can be achieved.

Topic 2.1

Includes:

- Select the appropriate recommended product.
- Check the product is labelled with a Marketing Authorisation Number.
- Read the product label.
- Ensure the equipment (and dipping facilities) to be used are in good working order.
- Decide how to safely dispose of the used dip wash.
- Check that there is sufficient appropriate personal protective equipment (PPE) available.
- Ensure that all the people that will be involved in the dipping are adequately informed and trained.
- Provide a suitable water supply – taps connected to the mains water supply must be fitted with non-return valves.

Topic 2.2

Includes:

- To identify the hazards.
- To assess the risks.
- To explain mitigation options for the identified risk.
- To take proper precautions to protect the health of people and the environment.
- To train dip operators and keep them up to date.

Topic 2.3

Aims include:

- To control the parasites.
- To avoid ill-health in people.
- To avoid harm to the environment.
- To ensure the welfare of the sheep.

Essential features when siting a dip include:

- Proximity to watercourses, springs and bore holes.
- Good ventilation.
- Prevent public access.

Topic 2.4

Includes:

- Children.
- Those advised by their doctor to avoid dip products.
- Animals not being dipped (including domestic pets).
- All other people not required in the dipping operation.

Topic 2.5

Includes:

- Preparing the dip bath.
- Using a closed transfer system.
- Handling contaminated PPE.

- Transporting damaged concentrate dip containers
- Routes of exposure e.g. by absorption through the skin, by swallowing or by breathing in vapour or aerosol.

Topic 2.6

Includes:

- During dipping.
- Cleaning the concentrate container.
- Handling freshly dipped sheep (note: it is recommended that sheep should not be handled for a period of three months after treatment. If handled, appropriate PPE should be worn).
- When releasing sheep from draining pens.
- Disposing of used dilute sheep dip.
- Cleaning equipment and PPE.

Topic 2.7

Splashes of sheep dip **concentrate** get on to the exposed skin or PPE:

- Wash off splashes immediately with lots of clean cold water.

PPE becomes heavily contaminated with sheep dip **concentrate**:

- Remove contaminated clothing immediately and wash or dispose of safely in a sealed bag.
- If dipping is to continue, put on clean PPE.

A person is heavily contaminated with **diluted** sheep dip (e.g. falls into dip bath):

- Treat as an emergency.
- Remove from source of contamination as soon as possible.
- Remove all contaminated clothing immediately.
- Then wash all infected skin with lots of clean cold water.
- Ensure wash-off water is contained.
- Seek prompt medical advice.
- Tell the doctor what product was used and take the product data sheet/product label.
- Report all cases of ill health as soon as possible to the VMD and the HSE (in Northern Ireland, Health & Safety Executive Northern Ireland).

Personal clothing worn under PPE becomes contaminated:

- Remove contaminated clothing immediately and wash (ensuring that drains or watercourses are not contaminated) or dispose in accordance with legislation.
- Wash all potentially exposed skin with lots of clean water.
- If dipping is to continue, put on clean clothing.

Topic 2.8

Includes:

- Feeling of exhaustion, weakness and anxiety.
- Headache.
- Dizziness.
- Cramp-like abdominal pains, nausea and vomiting.
- Chest pains.
- Excessive sweating.

- General muscle twitching.
- Convulsions.
- Diarrhea.
- Extreme difficulty with breathing.
- Blurred vision.
- Salivation.
- Paresthesia (pins and needles).
- Skin sensitisation.
- Itching.

Topic 2.9

Includes:

- Take person away from dipping area.
- Wash and remove protective clothing.
- Remove any contaminated personal clothing.
- Wash exposed skin.
- Seek prompt medical advice.
- Tell doctor what product is being used and take data sheet.
- Reporting requirements under RIDDOR to HSE.
- Reporting requirements under SARSS to VMD.

Topic 2.10

Precautions:

- Handle as little as possible.
- Wear overalls.
- Wear good quality synthetic rubber disposable gloves.
- Wash hands and exposed skin after completion of work.

Extra precautions for wet sheep:

- Wear Wellington boots.
- Wear waterproof trousers.
- Wear waterproof coat.

Topic 2.11

Includes:

- To ensure that consumers of sheep meat or sheep products are not affected by residues of sheep dip.
- To comply with legislation.

Learning outcome:

3. Know about environmental factors.

Assessment criteria:

- 3.1 describe key features of a sheep dip facility that help to prevent environmental contamination
- 3.2 explain the key requirements for the safe long-term storage of sheep dip concentrate
- 3.3 describe precautions that should be in place in case of a spill of concentrated sheep dips

- 3.4 explain the requirements to help ensure the sheep dip concentrate will be kept safely during the dipping operation
- 3.5 explain where to obtain advice and guidance when using sheep dip
- 3.6 describe safe ways of disposing of surplus sheep dip concentrate and safe ways of disposing of spent, diluted sheep dip
- 3.7 explain the requirements that would identify a suitable area of land for spreading diluted used sheep dip
- 3.8 describe precautions that should be taken when dealing with empty sheep dip containers
- 3.9 describe the dangers which may arise from incorrect disposal of used (dilute) sheep dip

Scope of content

This section gives details of the scope of content to be covered in the teaching of the unit to ensure that all the learning outcomes can be achieved.

Topic 3.1

Includes:

- Identify potential risk to environmental contamination.
- Dilute dip draining from dipped sheep is channelled back into dip bath.
- Sited away from wells, boreholes, watercourses, springs and drainage systems.
- Dip bath does not overflow during use.
- No drain hole.
- Ease of emptying.
- Draining pens are of adequate size.
- The dip bath does not leak.

Topic 3.2

Includes:

- In original undamaged container.
- In safe place under lock and key.
- In a store designated for approved pesticide or veterinary medicines.
- As stated on the product data sheet/product label.
- Storing containers off the ground.
- Away from drains and watercourses.
- Methods of containing and/or absorbing spillages.

Topic 3.3

Includes:

- Ensure there is a supply of absorbent material.
- Ensure there is a container to hold the absorbed liquid which can be sealed, does not leak or let in water.
- Safely dispose of contaminated material after the spill has been cleaned up – in a sealed labelled plastic bag.
- Disposal by a licensed waste disposal contractor.

Topic 3.4

Includes:

- Kept in the original undamaged containers.
- In a safe and secure place (closed transfer system containment).
- In a vehicle - if kept in an attached locked metal container.

- Complies with product data sheet/product label.
- Kept on level ground away from drains and watercourses.

Topic 3.5

Includes:

- Health and Safety Executive (HSE).
- Health & Safety Executive Northern Ireland (HSENI).
- The appropriate Environmental Regulator.
- Department for Environment, Food and Rural Affairs (DEFRA).
- Department of Agriculture, Environment and Rural Affairs (DAERA).
- The product supplier/manufacturer.

Topic 3.6

Surplus concentrate:

- Return to supplier/manufacturer.
- By a licensed waste disposal contractor.

Spent, diluted dip:

- Dilute with water or slurry at a dilution rate of 1 part diluted sheep dip to 3 parts water or slurry.
- Spread carefully on a suitable area of land at the rate of 5000 litres per hectare or 450 gallons per acre after recommended treatment of a dilution with water or slurry at the rate of 1 part to 3.
- Site agreed with the appropriate Environmental Regulator.
- By a licensed waste disposal contractor.

Topic 3.7

Includes:

- The ground is as level as possible, not waterlogged nor prone to flooding.
- When the ground is not frozen.
- Soil type, depth and underlying strata are suitable to absorb the dip wash.
- It is of minimal amenity and wildlife value and not designated land (e.g. SSSIs).
- It has no access for people or animals.
- It will not be used for grazing stock for at least a month.
- Some vegetation present.
- It does not contain crops.
- It must not be bare, sparsely vegetated, fissured or compacted.
- It is not adjacent to wells, watercourses, springs, boreholes or new and existing drainage systems.
- It must be spread more than 10 metres from watercourses and more than 50 metres from wells and springs.
- It has been approved for this use by the relevant authority.

Topic 3.8

Includes:

- Wear correct PPE.
- Clean containers and closed transfer equipment thoroughly, putting rinses into the sheep dip bath.
- Disposal by a licensed waste disposal contractor.

- Never re-use containers.
- Used containers should not be left lying around.

Topic 3.9

Includes:

- Contamination of surface watercourses or groundwater.
- Contamination of drinking water.
- Death of birds, fish and other wildlife.
- Death of domestic or other farm animals.
- Damage to crops/grassland.
- Prosecution and fine.
- Penalties as a result of non-compliance.

Learning outcome:

4. Know about animal welfare.

Assessment criteria:

- 4.1 describe occasions when sheep should **not** be dipped
- 4.2 describe ways of minimising stress to sheep during dipping

Scope of content

This section gives details of the scope of content to be covered in the teaching of the unit to ensure that all the learning outcomes can be achieved.

Topic 4.1

Includes:

- When sheep are ill (except illness caused by ectoparasites).
- When sheep are in a vulnerable stage of pregnancy.
- When sheep are stressed.
- When sheep have just eaten.
- When sheep are thirsty.
- When sheep may be slaughtered within the withdrawal period.
- When sheep are very wet.
- When the weather is too hot, or below freezing, or heavy rain is imminent.
- Immediately after sheep have been driven.
- When a group is of a mixed size/age.

Topic 4.2

Includes:

- By not overcrowding the holding pens, dipping bath and draining pens.
- By not rushing the job.
- By not rushing sheep before or after dipping.

Unit 01

Practical sheep dipping

Level	2
GLH	7
Assessment method	Practical observation
Unit aim	This unit involves a practical assessment involving the dipping of sheep and the candidate's ability to use, store and dispose of sheep dips safely. Candidates are actively encouraged to complete this unit although it is optional. The appropriate authorisation from the appropriate environmental agency must have been granted for the disposal of the sheep dip.

Learning outcome:

1. Be able to dip sheep.

Assessment criteria:

- 1.1 explain the requirements for storing concentrate sheep dip
- 1.2 maintain diluted dip in good condition
- 1.3 explain the reasons for delaying the dipping operation
- 1.4 identify that sheep are in acceptable condition for dipping
- 1.5 working as the key operator, dip at least fifteen sheep in a plunge bath which is designed and operable to an acceptable standard

Scope of content:

This section gives details of the scope of content to be covered in the teaching of the unit to ensure that all the learning outcomes can be achieved.

Topic 1.1

May include:

- Secure storage.
- Bunded.
- Signage.
- Impermeable shelves.
- Fire resistant.
- Stored away from food, drink and animal feeding stuffs.
- Stored so will not mix with other chemicals.
- Containers in good condition.
- Containers correctly labelled.
- Provision for dealing with accidental spillage.

Topic 1.2

To include:

- Removal and safe disposal of rubbish.
- Check on dip bath levels.

Topic 1.3

May include:

- Extreme weather conditions.
- Unacceptable condition of sheep.
- Absence of appropriate PPE.
- Absence of trained operators.
- Environmental concerns.
- Unsatisfactory dipping facilities.

Topic 1.4

To include:

- General health and welfare:
 - not heated
 - not tired
 - not thirsty
 - absence of wounds or open sores.
- Stage of pregnancy (if applicable).
- Stomach contents.
- Rest period.
- Dry fleece.
- Minimum three weeks of wool growth.
- Not drenched with a 2-LV (yellow) anthelmintic for at least 14 days prior to, and 14 days post-dipping.

Topic 1.5

To include:

- Pre-dipping checks to ascertain integrity and suitability of dipping facility and PPE.
- Non-essential personnel or animals are not present.
- Animal welfare maintained.
- Operator safety maintained.
- Correct entry and immersion time of sheep in dip.
- Care taken to ensure sheep do not swallow or inhale any dip solution.
- Correct, safe exit of sheep from dip.
- Appropriate number of sheep in draining pens.
- Correct drainage of dilute dip back to dip/bath.
- Additional requirements of Code of Practice Mobile Sheep Dipping.

Appendix 1 Sources of general information

The following documents contain essential information for centres delivering City & Guilds qualifications. They should be referred to in conjunction with this handbook. To download the documents and to find other useful documents, go to the *Centre Document Library* on www.cityandguilds.com or click on the links below:

Quality Assurance Standards: Centre Handbook

This document is for all approved centres and provides guidance to support their delivery of our qualifications. It includes information on

- Centre quality assurance criteria and monitoring activities
- Administration and assessment systems
- Centre-facing support teams at City & Guilds / ILM
- Centre quality assurance roles and responsibilities.

The Centre Handbook should be used to ensure compliance with the terms and conditions of the Centre Contract.

Quality Assurance Standards: Centre Assessment

This document sets out the minimum common quality assurance requirements for our regulated and non-regulated qualifications that feature centre assessed components. Specific guidance will also be included in relevant qualification handbooks and/or assessment documentation.

It incorporates our expectations for centre internal quality assurance and the external quality assurance methods we use to ensure that assessment standards are met and upheld. It also details the range of sanctions that may be put in place when centres do not comply with our requirements, or actions that will be taken to align centre marking/assessment to required standards. Additionally, it provides detailed guidance on the secure and valid administration of centre-assessments.

Access arrangements - When and how applications need to be made to City & Guilds provides full details of the arrangements that may be made to facilitate access to assessments and qualifications for candidates who are eligible for adjustments in assessment.

The *Centre Document Library* also contains useful information on such things as:

- Conducting examinations
- Registering learners
- Appeals and malpractice

Useful contacts

Please visit the Contact Us section of the City & Guilds website, *Contact us*

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