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

Version 1.5 (May 2026)

## Qualification Handbook

# Qualification at a glance

| | |
|---|---|
| **Subject area** | Agriculture |
| **City & Guilds number** | 0141-03 |
| **Age group approved** | 16+ |
| **Entry requirements** | City & Guilds does not set entry requirements for this qualification |
| **Assessment** | To gain this qualification, candidates must successfully achieve the following:<br>• one to one oral examination with an NPTC City & Guilds approved assessor<br>• E-volve based multiple choice examination to be conducted in a suitably controlled and invigilated environment<br>• one to one practical assessment by an NPTC City & Guilds approved assessor |
| **Grading** | Pass/Fail |
| **Approvals** | Full centre approval<br>Qualification approval |
| **Support materials** | Qualification Handbook.<br>Assessment materials (approved assessment Centers only). |
| **Registration and certification** | Consult the Walled Garden/Online Catalogue for last dates |

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

| 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 |
| 1.2 September 2024 | Handbook reviewed and updated to new template<br>Unit numbers changed | Throughout |
| 1.3 June 2025 | Formatting changes | Throughout |
| 1.4 January 2026 | Assessment timing updated | Assessment |
| 1.5 May 2026 | Updated incorrect footer to correct title | Throughout |

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# 1 Introduction

This document tells you what you need to do to deliver the qualification.

| Area | Description |
|---|---|
| Who is the qualification for? | This qualification is a License to Practice qualification and is for every person that uses Sheep Dip (Organophosphate).<br><br>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.<br><br>This qualification is suitable for operatives/personnel seeking entry into or already working in a related job. |
| What does the qualification cover? | This qualification covers preparing to dip sheep by demonstrating understanding and knowledge of legislative, welfare and environmental requirements, protective clothing, record keeping, control of external parasites, sheep diseases and dip disposal.<br><br>An optional unit on practical dipping will put this knowledge in to practice. |
| What opportunities for progression are there? | Achieving this qualification can help you work in roles such as:<br><br>• Farm manager<br>• Farm worker (livestock)<br>• Horse groom<br>• Kennel worker |
| Who did we develop the qualification with? | Veterinary Medicines Directorate<br>Health and Safety Executive<br>Environment Agency<br>Executive Agency of the Government's Department for Environment, Food & Rural Affairs |
| Is it part of an apprenticeship framework or initiative? | No, this qualification is not part of an apprenticeship framework or initiative. |

## Assessment Guidance for the Candidate

A list of registered Assessment Centres is available from City & Guilds NPTC. (www.nptc.org.uk)

Assessment is a process by which it is confirmed that the candidate is competent in the unit(s) within the award to which the assessment relates. It is the process of collecting evidence about the candidates' capabilities and judging whether that evidence is sufficient to attribute competence.

The Candidate must be registered through the City & Guilds approved Assessment Centre for this qualification prior to the assessment.

# 2 Qualification Structure

## Structure

To achieve the City & Guilds **NPTC Level 2 Award in the Safe Use of Sheep Dip (0141-03)**, learners must achieve:

| City & Guilds unit number | Unit title | GLH |
|---|---|---|
| **Mandatory units:** | | |
| Learners must achieve **2** mandatory units. | | |
| 0141-234 | Initial practical assessment prior to sheep being dipped | 7 |
| 0141-052/054 | Safe use of sheep dip (English / Bilingual Welsh) | 7 |
| **Optional unit:** | | |
| Learners may achieve **1** optional unit. | | |
| 0141-235 | Practical sheep dipping | 7 |

## Total Qualification Time (TQT)

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 comprises of the following two elements:

1) the number of hours that an awarding organisation has assigned to a qualification for guided learning
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 |

# 3 Centre requirements

## Approval

### Full approval

To offer this qualification, new centres will need to gain both centre and qualification approval. Please refer to the document **Centre Approval process: Quality Standards** for further information. 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.

Centre staff should familiarise themselves with the structure, content and assessment requirements of the qualification before delivering a course programme.

## 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.

## Guidance for the Invigilator

The Invigilator for this qualifications E-volve examination work on behalf of the registered centre. Therefore, the relevant JCQ guidelines must be adhered to.

## 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

Appropriate PPE must be worn at all times All equipment must be operated in such a way that the Candidate, Assessor, other persons, animals or other equipment are not endangered.

If these conditions are not observed this will result in the Candidate not meeting the required standard.

## Validation of Equipment

Any item(s) equipment used for the assessment must comply with current legal requirements.

Additional information may be sought from the relevant manufacturer's instruction book, operators' manual, product label/database or any other Government/Government Agency publication.

## Appeals and Equal opportunities

Centres must have their own auditable, appeals procedures. If a Candidate is not satisfied with the examination conditions or a Candidate feels the opportunity for examination is being denied, the Centre Manager should, in the first instance, address the problem. If, however the problem cannot be resolved, City & Guilds will arbitrate and a Principal Verifier may be approached to offer independent advice.

All appeals must be clearly documented by the Centre Manager and made available to the Principal Verifier or City & Guilds if advice is required.

Should occasions arise when Centres are not satisfied with any aspect of the verification process, they should contact the Quality Assurance Manager at City & Guilds NPTC, 5-6 Giltspur Street, London, EC1A 9DE, UK Access to the qualification is open to all, irrespective of gender, race, creed or special needs. Subject to H&S restrictions the Centre Manager should ensure that no learner is subjected to unfair discrimination on any grounds in relation to access to assessment and to the fairness of the assessment. QCA requires City & Guilds to monitor centres to check whether equal opportunities policies are being adhered to.

## Quality assurance

Approved centres must have effective quality assurance systems to ensure optimum delivery and assessment of qualifications. Quality assurance includes initial centre approval, qualification approval and the centre's own internal procedures for monitoring quality. Centres are responsible for internal quality assurance and City & Guilds is responsible for external quality assurance. All external quality assurance processes reflect the minimum requirements for verified and moderated assessments, as detailed in the Centre Assessment Standards Scrutiny (CASS), section H2 of Ofqual's General Conditions. For more information on both CASS and City & Guilds Quality Assurance processes visit: the **What is CASS?** and **Quality Assurance Standards** documents on the City & Guilds website.

Standards and rigorous quality assurance are maintained by the use of:

- Internal quality assurance
- City & Guilds external quality assurance.

In order to carry out the quality assurance role, Internal Quality Assurers must:

- have appropriate teaching and vocational knowledge and expertise
- have experience in quality management/internal quality assurance
- hold or be working towards an appropriate teaching/training/assessing qualification
- be familiar with the occupation and technical content covered within the qualification.

External quality assurance for the qualification will be provided by City & Guilds EQA process. EQAs are appointed by City & Guilds to approve centres, and to monitor the assessment and internal quality assurance carried out by centres. External quality assurance is carried out to ensure that assessment is valid and reliable, and that there is good assessment practice in centres.

The role of the EQA is to:

- provide advice and support to centre staff
- ensure the quality and consistency of assessments and marking/grading within and between centres by the use of systematic sampling
- provide feedback to centres and to City & Guilds.

## Learner entry requirements

Candidates must meet minimum age requirements.

## Age restrictions

This qualification is approved for learners aged 16 or above.

## Access arrangements and reasonable adjustments

Access arrangements are adjustments that allow candidates with disabilities, special educational needs, and temporary injuries to access the assessment and demonstrate their skills and knowledge without changing the demands of the assessment. These arrangements must be made before assessment takes place.

The Equality Act 2010 requires City & Guilds to make reasonable adjustments where a disabled person would be at a substantial disadvantage in undertaking an assessment.

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**

# 4 Delivering the qualification

## Initial assessment and induction

An initial assessment of each learner should be made before the start of their programme to identify:

- if the learner has any specific training needs
- support and guidance they may need when working towards their qualification.
- any units they have already completed or credit they have accumulated which is relevant to the qualification
- the appropriate type and level of qualification.

We recommend that centres provide an induction programme, so the learner fully understands the requirements of the qualification, their responsibilities as a learner and the responsibilities of the centre. This information can be recorded on a learning contract.

## Inclusion and diversity

City & Guilds is committed to improving inclusion and diversity within the way we work and how we deliver our purpose which is to help people and organisations develop the skills they need for growth.

More information and guidance to support centres in supporting inclusion and diversity through the delivery of City & Guilds qualifications can be found here:
**Inclusion and diversity | City & Guilds (cityandguilds.com)**

## Sustainability

City & Guilds are committed to net zero. Our ambition is to reduce our carbon emissions by at least 50% before 2030 and develop environmentally responsible operations to achieve net zero by 2040 or sooner if we can. City & Guilds is committed to supporting qualifications that support our customers to consider sustainability and their environmental footprint.

More information and guidance to support centres in developing sustainable practices through the delivery of City & Guilds qualifications can be found here:
**Our Pathway to Net Zero | City & Guilds (cityandguilds.com)**

Centres should consider their own carbon footprint when delivering this qualification and consider reasonable and practical ways of delivering this qualification with sustainability in mind. This could include:

- reviewing purchasing and procurement processes (such as buying in bulk to reduce the amount of travel time and energy, considering and investing in the use of components that can be reused, instead of the use of disposable or single use consumables)
- reusing components wherever possible
- waste procedures (ensuring that waste is minimised, recycling of components is in place wherever possible)
- minimising water use and considering options for reuse/salvage as part of plumbing activities wherever possible.

## Support materials

The following resources are available for this qualification:

| Description | How to access |
|---|---|
| Candidate Handbook | **www.nptc.org.uk** |
| Assessment Pack (available only to assessors) | **www.nptc.org.uk** |

# 5 Assessment

## Assessment of the qualification

Candidates must:

- successfully complete 1 online multiple choice test (mandatory unit 052)
- successfully complete 1 set of oral questions (mandatory unit 234)

Candidates may also opt to complete a practical task (optional unit 307).

| Assessment types | | | |
|---|---|---|---|
| **Unit** | **Title** | **Assessment method** | **Where to obtain assessment materials** |
| 0141-234 | Initial practical assessment prior to sheep being dipped | Oral questions | **www.nptc.org.uk** |
| 0141-052 | Safe use of sheep dip | E-volve multiple choice based examination | **www.nptc.org.uk** |
| 0141-235 | Practical sheep dipping | Practical observation | **www.nptc.org.uk** |

## Assessment strategy

City & Guilds has written the following assessments/assignments to use with this/these qualification(s):

- theory tests for unit 052
- live assignments for units 234 and 235 that can be downloaded from the NPTC website

This qualification can only be invigilated by an Invigilator who is suitably qualified and meets the requirements of the awarding body. The invigilator must be independent and cannot have been involved with the training of the Candidate. Please see City & Guilds Centre Manual for guidance.

The Candidate is to be notified of the place and time of assessment.

## Time constraints

The following must be applied to the assessment of this qualification:

- The practical observation and oral questioning should take between **1 – 1.5 hours**.
- Candidates must finish their assessment within 24 months of date of initial registration.

- Qualification registration is valid for 2 years.

## Test specifications

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

**Graded**: Pass/Fail

| Test 1 | | | |
|---|---|---|---|
| **Unit** | **Outcome** | **Number of questions** | **Percentage %** |
| 0141-052 | 1 Parasite knowledge | 6 | 17 |
| | 2 Health and safety | 14 | 40 |
| | 3 Environment | 12 | 34.5 |
| | 4 Animal welfare | 3 | 8.5 |
| | **Total** | 35 | 100% |

# 6 Units

## Structure of the units

These units each have the following:

- City & Guilds reference number
- title
- level
- guided learning hours (GLH)
- unit aim
- assessment type
- learning outcomes, which are comprised of a number of assessment criteria
- range statements
- supporting information.

## Guidance for delivery of the units

This qualification comprises a number of **units**. A unit describes what is expected of a competent person in particular aspects of their job.

Each **unit** is divided into **learning outcomes** which describe in further detail the skills and knowledge that a candidate should possess.

Each **learning outcome** has a set of **assessment criteria** (performance and knowledge and understanding) which specify the desired criteria that must be satisfied before an individual can be said to have performed to the agreed standard.

**Range** statements define the breadth or scope of a learning outcome and its assessment criteria by setting out the various circumstances in which they are to be applied.

# Unit 234 Initial practical assessment prior to sheep being dipped

| | |
|---|---|
| **Level:** | 2 |
| **GLH:** | 7 |
| **Assessment type:** | Oral questions |
| **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

The learner will:

LO1 Be able to undertake an initial practical assessment prior to sheep being dipped

## Assessment criteria

The learner can:

AC1.1 Outline the essential factors to include in an overall strategy to control external parasites for a specified flock
AC1.2 State the procedures to consider when accurately identifying specific external parasites
AC1.3 Identify the essential contents of a product data sheet/product label
AC1.4 State the groups of product types for the treatment of external parasites in sheep
AC1.5 Calculate capacity of dip bath, and the quantity of concentrate dip required
AC1.6 Select and put on PPE as specified on the data sheet/product label/COSHH assessment
AC1.7 Add concentrate dip replenishment to a stated quantity of liquid in dip
AC1.8 Clean, remove and store PPE safely
AC1.9 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
AC1.10 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
AC1.11 Outline the essential safety points necessary for the safe disposal of used dilute product from the dip
AC1.12 Outline the factors to consider when using alternatives to plunge dipping for the control of external parasites
AC1.13 State why animal welfare is essential for those undertaking the dipping of sheep
AC1.14 State the precautions to be taken before persons involved in the dipping operation eat, drink, smoke, or use the toilet
AC1.15 State the factors to record following each dipping operation

## Range

**AC1.1**
*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.

**AC1.2**
*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.

**AC1.3**
*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.

**AC1.4**
*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**

**AC1.5**

*To include:*
Accuracy of calculations.
Use of product label.
Initial and replenishment procedure.

**AC1.6**

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

**AC1.7**

*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.

**AC1.8**

*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.

**AC1.9**

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, eg recreational use, water abstraction.

**AC1.10**

*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.

**AC1.11**

*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.

**AC1.12**

*May include:*

Alternatives to plunge dipping:

- pour-on
- spot treatment
- injectable.

Effectiveness of treatment.
Ectoparasiticide/Anthelmintic resistance.
Cost factors.
Requirement to use contractor services.

**AC1.13**

*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.

**AC1.14**

*To include:*

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

**AC1.15**

*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 052 Safe use of sheep dip

| | |
|---|---|
| **Level:** | 2 |
| **GLH:** | 7 |
| **Assessment type:** | Online multiple choice |
| **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

The learner will:

LO1 Know about parasites

## Assessment criteria

The learner can:

AC1.1 Identify the **external parasites** of sheep
AC1.2 State **precautionary measures** sheep farmers can take to reduce the chances of external parasites entering their flocks
AC1.3 State the important steps in the **treatment of external parasites**
AC1.4 Identify the **signs of external parasites**

## Range

**External parasites**
Mite, tick, louse, ked, blowfly.

**Precautionary measures**
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.

**Treatment of external parasites**

- 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).

**Signs of external parasites**
Rubbing, agitated, loss of wool, loss of condition, death of animal.

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## Learning outcome

The learner will:

LO2 Know about health and safety

## Assessment criteria

The learner can:

AC2.1 State the tasks that must be done beforehand to **ensure safe dipping**
AC2.2 State the requirements of the **Control of Substances Hazardous to Health (COSHH) Regulations**
AC2.3 State 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
AC2.4 Identify those who should **not** be present in the dipping area
AC2.5 State occasions when operators could be exposed to **concentrate** sheep dip
AC2.6 State occasions when operators could be exposed to **dilute** sheep dip
AC2.7 State 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 (eg falls into dip bath)
- personal clothing worn under PPE becomes contaminated.

AC2.8 Identify **symptoms of poisoning** in people
AC2.9 State key steps to be taken when an **operator feels ill** during dipping
AC2.10 State **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
AC2.11 State why it is important to **follow the "withdrawal period"** as on the product data sheet/product label

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## Range

**Ensure safe dipping**
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.

Control of Substances Hazardous to Health (COSHH) Regulations
Identify the hazards.
Assess the risks.
State mitigation options for the identified risk.
Take proper precautions to protect the health of people and the environment.
Train dip operators and keep them up to date.

Aims of those involved in sheep dipping
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.

**People who should not be in dipping area**
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.

**Exposure to concentrated sheep dip**
Preparing the dip bath.
Using a closed transfer system.
Handling contaminated PPE.
Transporting damaged concentrate dip containers
Routes of exposure, eg by absorption through the skin, by swallowing or by breathing in vapour or aerosol.

**Exposure to diluted sheep dip**
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.

**Actions to be taken following contamination**
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 (eg 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 (if 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.

Symptoms of poisoning

Feeling of exhaustion, weakness and anxiety; headache; dizziness; cramp-like abdominal pains, nausea and vomiting; chest pains; excessive sweating; general muscle twitching; convulsions; diarrhoea; extreme difficulty with breathing; blurred vision; salivation; paraesthesia (pins and needles); skin sensitisation; itching.

**Actions to be taken if operator feels ill**

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.

**Precautions to be taken following dipping**

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.

**Following withdrawal period guidance**

Ensuring that consumers of sheep meat or sheep products are not affected by residues of sheep dip.
Compliance with legislation.

## Learning outcome

The learner will:

LO3 Know about environmental factors

## Assessment criteria

The learner can:

AC3.1 State key features of a sheep dip facility that help to **prevent environmental contamination**
AC3.2 State the key requirements for the **safe long-term storage of sheep dip concentrate**
AC3.3 State precautions that should be in place in case of a **spill of concentrated sheep dips**
AC3.4 State the requirements to help ensure the sheep dip **concentrate will be kept safely during the dipping operation**
AC3.5 State where to obtain **advice and guidance** when using sheep dip
AC3.6 State **safe ways of disposing of surplus sheep dip** concentrate and safe ways of disposing of spent, diluted sheep dip
AC3.7 State the requirements that would identify a suitable area of **land for spreading diluted used sheep dip**
AC3.8 State precautions that should be taken when **dealing with empty sheep dip containers**
AC3.9 State the dangers which may arise from **incorrect disposal of used (dilute) sheep dip**.

## Range

**Prevent environmental contamination**
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.

**Safe long-term storage of concentrate**
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.

**Spills of concentrated sheep dips**
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.

**Safely keeping concentrate during the dipping operation**
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.

**Advice and guidance**
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.

**Safe ways of disposing of surplus sheep dip**
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.

**Land for spreading diluted used sheep dip**
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 (eg 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.

**Dealing with empty sheep dip containers**
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.

**Dangers of incorrect disposal of used (dilute) sheep dip**
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

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## Learning outcome

The learner will:

LO4 Know about animal welfare

## Assessment criteria

The learner can:

AC4.1 State occasions when **sheep should not be dipped**
AC4.2 State ways of **minimising stress** to sheep during dipping

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## Range

**Sheep should not be dipped**
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.

**Minimising stress**
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 235 Practical sheep dipping

| | |
|---|---|
| **Level:** | 2 |
| **GLH:** | 7 |
| **Assessment type:** | Practical task |
| **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

The learner will:

LO1 Be able to dip sheep

## Assessment criteria

The learner can:

AC1.1 State the requirements for **storing concentrate sheep dip**
AC1.2 **Maintain diluted dip** in good condition
AC1.3 State the reasons for **delaying the dipping operation**
AC1.4 Identify that sheep are in **acceptable condition for dipping**
AC1.5 Working as the key operator, **dip at least fifteen sheep** in a plunge bath which is designed and operable to an acceptable standard

## Range

**Storing concentrate sheep dip**
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.

**Maintain diluted dip**
Removal and safe disposal of rubbish; check on dip bath levels.

**Delaying the dipping operation**
Extreme weather conditions.
Unacceptable condition of sheep.
Absence of appropriate PPE.
Absence of trained operators.
Environmental concerns.
Unsatisfactory dipping facilities.

**Sheep in acceptable condition for dipping**
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.

**Dip at least fifteen sheep**
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:

**Centre Handbook: Quality Assurance Standards**

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.

**Centre Assessment: Quality Assurance Standards**

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.

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