



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

**September 2022 Version 1.0**

**This assessment must be carried out independently.**

**Assessment Pack – Candidate Version**

Version and date	Change detail	Section
1.0 September 2022	First version	

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# Contents

<b>Introduction</b>	<b>4</b>
Guidance notes for candidates	4
Practical observation descriptor table – Unit 02 Initial practical assessment prior to sheep being dipped (mandatory)	7
Practical observation descriptor table – Unit 01 Practical sheep dipping (optional)	11
Knowledge assessment table – Unit 03 Know how to sheep dip (mandatory)	13
<b>Test Specification</b>	<b>20</b>
<b>Appendix 1 Sources of general information</b>	<b>22</b>

# Introduction

## Guidance notes for candidates

**This assessment must be carried out independently.**

This qualification can only be assessed by an assessor who is suitably qualified and meets the requirements of the awarding body. The assessor must be independent and **cannot have been involved with the training of the candidate.**

This assessment pack relates to the units in the Qualification Handbook and contains content for the following units and learning outcomes:

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

This unit includes the following learning outcome:

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

This learning outcome covers:

- using a Sheep Dip Manufacturers' Product Label/Data Sheet for essential reference
- undertaking an assessment of available sheep dip facilities and their operation to the agreed standards
- operating within and complying with the relevant Legislative, Welfare and Environmental requirements
- selecting and wearing Personal Protective Equipment (PPE) for the tasks required
- completing essential records accurately
- stating the identified knowledge that underpins understanding of the control of common external parasites
- stating the identified knowledge that underpins understanding and responsibilities of sheep diseases, use of sheep dip, handling chemicals/COSHH, Health and Safety, disposal of sheep dip and environmental protection, and personal precautions.

### Unit 03 Know how to sheep dip (Mandatory)

This unit includes four learning outcomes covering the essential knowledge and understanding of the following topics:

- **Outcome 1** parasites
- **Outcome 2** health and safety
- **Outcome 3** environment
- **Outcome 4** animal welfare.

### Unit 01 Practical sheep dipping (Optional)

This unit includes the following learning outcome:

**Outcome 1** Be able to dip sheep.

This learning outcome covers:

- storing sheep dip concentrate safely

- preparing equipment and dip area following an acceptable procedure, adding sheep dip concentrate and working safely without risk to themselves, other personnel, sheep and other livestock and the environment
- carrying out regular checks of equipment and quantity of diluted sheep dip
- maintaining dip in good condition, identifying sheep to be dipped, and dipping sheep effectively, safely and humanely
- following a safe disposal procedure for surplus concentrate and diluted sheep dip
- carrying out correct procedure for cleaning and checking PPE, and any equipment used which may have been contaminated with concentrate or diluted sheep dip.

## Carrying out the assessment

### Unit 02 Initial practical 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-volve online test.

### Unit 01 Practical sheep dipping (Optional)

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 **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.**

## Availability of assessment

Assessment of **Unit 02** and **Unit 03** is available on a year-round basis.

Assessment of **Unit 01** may only be undertaken during accepted dipping seasons.

## 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 website [www.nptc.org.uk](http://www.nptc.org.uk).

The assessor must complete the practical table mark sheet for each candidate. This must be kept by the assessor for a minimum period of twelve months.

### 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.

## Practical observation descriptor table – Unit 02 Initial practical assessment prior to sheep being dipped (mandatory)

### Outcome 1: Be able to undertake an initial practical assessment prior to sheep being dipped

Assessment Criteria		Scope of Study
1.1	Outline the essential factors to include in an overall strategy to control external parasites for a specified flock.	<p>May include:</p> <ul style="list-style-type: none"> <li>- Legislative requirements for: <ul style="list-style-type: none"> <li>• health of stock</li> <li>• employers</li> <li>• operators</li> <li>• purchasers of product concentrate</li> <li>• protection of the environment.</li> </ul> </li> <li>- Pre-dipping checks to minimise risks to animals, people and the environment.</li> <li>- Importance of condition of sheep at time of dipping, fleece length, cleanliness of fleece.</li> <li>- Time of dipping for external parasites.</li> <li>- Dip sited in accordance with national codes.</li> <li>- Safe and effective operation of dip facilities and equipment.</li> <li>- Accident and emergency procedures are in place.</li> <li>- Additional requirements of Code of Practice Mobile Sheep Dipping.</li> <li>- Additional requirements relating to English or Devolved Authority guidance.</li> </ul>
1.2	Describe the procedures to consider when accurately identifying specific external parasites.	<p>May include:</p> <ul style="list-style-type: none"> <li>- Check physical signs: <ul style="list-style-type: none"> <li>• wool loss</li> <li>• body condition</li> <li>• Irritation / agitation of sheep.</li> </ul> </li> <li>- Area(s) of body affected.</li> <li>- Identification of parasite.</li> <li>- Time of year / weather conditions.</li> </ul>
1.3	Identify the essential contents of a product data sheet/product label.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Trade names.</li> <li>- Active substance(s).</li> <li>- Legal category.</li> <li>- Hazardous substance categorisation.</li> <li>- Warnings / Precautions: <ul style="list-style-type: none"> <li>• before dipping</li> <li>• during dipping</li> <li>• following dipping.</li> </ul> </li> <li>- Personal Protective Equipment (PPE) requirements.</li> <li>- Batch number.</li> <li>- Expiry date.</li> <li>- Target parasites.</li> <li>- Dilution rates (initial and replenishment).</li> </ul>

		<ul style="list-style-type: none"> <li>- Dispensing requirements.</li> <li>- Dipping procedure.</li> <li>- Withdrawal period.</li> <li>- Washing and cleaning the equipment.</li> <li>- Storage requirements.</li> <li>- Medical advice in case of emergency.</li> <li>- Recommend safe disposal.</li> </ul>
1.4	Describe the groups of product types for the treatment of external parasites in sheep.	<p>To include:</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- 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.</li> <li>- 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.</li> <li>- 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.</li> <li>- 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.</li> </ul> <p>References from VMD:  <a href="https://www.vmd.defra.gov.uk/productinformationdatabase">https://www.vmd.defra.gov.uk/productinformationdatabase</a></p>
1.5	Calculate capacity of dip bath and the quantity of concentrate dip required.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Accuracy of calculations.</li> <li>- Use of product label.</li> <li>- Initial and replenishment procedure.</li> </ul>
1.6	Select and put on PPE as specified on the data sheet / product label / COSHH assessment.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Select PPE according to product data sheet / product label / COSHH assessment.</li> <li>- Check condition of PPE.</li> <li>- Put on PPE in progressive order.</li> </ul>
1.7	Add concentrate dip replenishment to a stated quantity of liquid in dip.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Safe work area for siting closed transfer system (CTS).</li> <li>- Correct use of PPE.</li> <li>- Knowledge of installation and operation of CTS.</li> <li>- Priming of CTS equipment.</li> <li>- Accurate transfer of concentrate dip by CTS.</li> <li>- Knowledge of cleaning CTS equipment and container.</li> <li>- Temporary provision for safe storage of concentrate dip.</li> </ul>
1.8	Clean, remove and store PPE safely.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Appropriate site for cleaning.</li> <li>- Cleaning procedure (wash &amp; brush).</li> <li>- Correct order of removal.</li> <li>- Check condition of PPE.</li> </ul>



		<ul style="list-style-type: none"> <li>- Store in clean, dry, protected area.</li> <li>- Correct disposal of damaged PPE and contaminated washings.</li> </ul>
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.	<p>May include:</p> <ul style="list-style-type: none"> <li>- Safe run-off: <ul style="list-style-type: none"> <li>• Adequate draining pen area (away from watercourses).</li> <li>• Efficient return of run-off back to dip tank/bath.</li> <li>• Adequate time for sheep to drain.</li> </ul> </li> </ul> <p>May include:</p> <ul style="list-style-type: none"> <li>- Avoiding contamination of water: <ul style="list-style-type: none"> <li>• Risks of pollution to groundwater or other water courses.</li> <li>• Understanding of period required for dip to lose toxicity.</li> <li>• Increasing concerns regarding all forms of “water” risks, e.g., recreational use, water abstraction.</li> </ul> </li> </ul>
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.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Correct operation of controls in accordance with AIS41 guidance.</li> </ul> <p>Reasons (using AIS41 guidance as a reference) may include:</p> <ul style="list-style-type: none"> <li>- Welfare of sheep.</li> <li>- Protection of people.</li> <li>- Protection of the environment.</li> <li>- Efficient sheep movement and control.</li> <li>- Position of sheep dip bath / site selection for mobile dip bath.</li> <li>- Layout of dipping facilities.</li> <li>- Present condition (absence of wear/damage).</li> <li>- Design features (faults and attributes).</li> <li>- Means of improving layout and design.</li> <li>- Provision of adequate water supply and cover for dip when not in use.</li> </ul>
1.11	Outline the essential safety points necessary for the safe disposal of used dilute product from the dip.	<p>May include:</p> <ul style="list-style-type: none"> <li>- Temporary storage requirements pending disposal.</li> <li>- Use of a registered waste carrier.</li> <li>- When applying to suitable land: <ul style="list-style-type: none"> <li>• Authorisation from the appropriate agency</li> <li>• Identification of suitable land</li> <li>• Correct dilution rate (1 part dip to 3 parts slurry or water)</li> <li>• Correct application rate (maximum 5000 litres per hectare).</li> </ul> </li> <li>- Records of waste sheep dip disposal (retained for 5 years).</li> <li>- Minimising risks to personnel, animals and wildlife.</li> <li>- Minimising environmental pollution.</li> </ul>

1.12	Outline the factors to consider when using alternatives to plunge dipping for the control of external parasites.	<p>May include:</p> <ul style="list-style-type: none"> <li>- Alternatives to plunge dipping: <ul style="list-style-type: none"> <li>• pour-on</li> <li>• spot treatment</li> <li>• injectable.</li> </ul> </li> <li>- Effectiveness of treatment.</li> <li>- Ectoparasiticide/Anthelmintic resistance.</li> <li>- Cost factors.</li> <li>- Requirement to use contractor services.</li> </ul>
1.13	Explain why animal welfare is essential for those undertaking the dipping of sheep.	<p>May include:</p> <ul style="list-style-type: none"> <li>- Meet animal welfare legislation.</li> <li>- Market considerations and consumer-confidence.</li> <li>- Maintain productive performance in stock.</li> <li>- Maintain moral responsibilities.</li> <li>- Maintain compliance with overall stock health scheme.</li> </ul>
1.14	Describe the precautions to be taken before persons involved in the dipping operation eat, drink, smoke, or use the toilet.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Wash and remove PPE.</li> <li>- Move away from dipping area.</li> <li>- Wash hands, face and exposed skin with soap and water.</li> </ul>
1.15	Describe the factors to record following each dipping operation.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Trade name of product used.</li> <li>- Active substance(s).</li> <li>- Amount used.</li> <li>- Supplier.</li> <li>- Batch number.</li> <li>- Treatment dates.</li> <li>- End of withdrawal period.</li> <li>- Number and identification of sheep treated.</li> <li>- All persons involved and present at any time.</li> <li>- Method of dip disposal.</li> </ul>

## Practical observation descriptor table – Unit 01 Practical sheep dipping (optional)

### Outcome 1: Be able to dip sheep






Assessment Criteria		Scope of Study
1.1	Explain the requirements for storing concentrate sheep dip.	<p>May include:</p> <ul style="list-style-type: none"> <li>- Secure storage.</li> <li>- Bunded.</li> <li>- Signage.</li> <li>- Impermeable shelves.</li> <li>- Fire resistant.</li> <li>- Stored away from food, drink and animal feeding stuffs.</li> <li>- Stored so will not mix with other chemicals.</li> <li>- Containers in good condition.</li> <li>- Containers correctly labelled.</li> <li>- Provision for dealing with accidental spillage.</li> </ul>
1.2	Maintain diluted dip in good condition.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Removal and safe disposal of rubbish.</li> <li>- Check on dip bath levels.</li> </ul>
1.3	Explain the reasons for delaying the dipping operation.	<p>May include:</p> <ul style="list-style-type: none"> <li>- Extreme weather conditions.</li> <li>- Unacceptable condition of sheep.</li> <li>- Absence of appropriate PPE.</li> <li>- Absence of trained operators.</li> <li>- Environmental concerns.</li> <li>- Unsatisfactory dipping facilities.</li> </ul>
1.4	Identify that sheep are in acceptable condition for dipping.	<p>To include:</p> <ul style="list-style-type: none"> <li>- General health and welfare: <ul style="list-style-type: none"> <li>• not heated</li> <li>• not tired</li> <li>• not thirsty</li> <li>• absence of wounds or open sores.</li> </ul> </li> <li>- Stage of pregnancy (if applicable).</li> <li>- Stomach contents.</li> <li>- Rest period.</li> <li>- Dry fleece.</li> <li>- Minimum three weeks of wool growth.</li> <li>- Not drenched with a 2-LV (yellow) anthelmintic for at least 14 days prior to, and 14 days post-dipping.</li> </ul>
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.	<p>To include:</p> <ul style="list-style-type: none"> <li>- Pre-dipping checks to ascertain integrity and suitability of dipping facility and PPE.</li> <li>- Non-essential personnel or animals are not present.</li> <li>- Animal welfare maintained.</li> <li>- Operator safety maintained.</li> <li>- Correct entry and immersion time of sheep in dip.</li> </ul>

		<ul style="list-style-type: none"><li>- Care taken to ensure sheep do not swallow or inhale any dip solution.</li><li>- Correct, safe exit of sheep from dip.</li><li>- Appropriate number of sheep in draining pens.</li><li>- Correct drainage of dilute dip back to dip/bath.</li><li>- Additional requirements of Code of Practice Mobile Sheep Dipping.</li></ul>
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## Knowledge assessment table – Unit 03 Know how to sheep dip (mandatory)

This unit is assessed by Evolve online test.

### Outcome 1: Know about parasites

Ref	Assessment Criteria	Scope of Study
1.1	<p>Identify the external parasites of sheep illustrated below:</p>  <p>0.2 – 0.6 mm in length</p>  <p>2 – 6 mm in length</p>  <p>1.5 – 3 mm in length</p>  <p>5 – 7 mm in length</p>  <p>5 – 8 mm in length</p>	<p>To include:</p> <ul style="list-style-type: none"> <li>- Mite.</li> <li>- Tick.</li> <li>- Louse.</li> <li>- Ked.</li> <li>- Blowfly.</li> </ul>
1.2	<p>Describe precautionary measures sheep farmers can take to reduce the chances of external parasites entering their flocks.</p>	<p>Biosecurity measures followed, including:</p> <ul style="list-style-type: none"> <li>- Maintain a closed flock or work within closed flock principles.</li> <li>- Assess risks of buying sheep through markets.</li> <li>- Purchase replacement stock from a reputable source.</li> <li>- Ensure vehicles used to transport stock are cleaned and disinfected before use.</li> <li>- Keep purchased stock separate from main flock until health status confirmed.</li> <li>- If necessary, treat replacement stock when they arrive on the farm.</li> <li>- Ensure all boundary fences are secure.</li> </ul>

		<ul style="list-style-type: none"> <li>- Ensure contractors have taken appropriate precautions against importing external parasites.</li> </ul>
1.3	Explain the important steps in the treatment of external parasites.	<ul style="list-style-type: none"> <li>- Correct identification of problem.</li> <li>- Treat with the most effective product.</li> <li>- Read and follow instructions on the product data sheet/product label.</li> <li>- Use the most effective method of treatment.</li> <li>- Time the application for the best effects.</li> <li>- Ensure product is mixed at the correct dilution rate.</li> <li>- Report an adverse event, including lack of efficacy, to the VMD (SARSS).</li> </ul>
1.4	Identify the signs of external parasites.	<ul style="list-style-type: none"> <li>- Rubbing.</li> <li>- Agitated.</li> <li>- Loss of wool.</li> <li>- Loss of condition.</li> <li>- Death of Animal.</li> </ul>

## Outcome 2: Know about health and safety

Ref	Assessment Criteria	Scope of Study
2.1	Describe the tasks that must be done beforehand to ensure safe dipping.	<ul style="list-style-type: none"> <li>- Select the appropriate recommended product.</li> <li>- Check the product is labelled with a Marketing Authorisation Number.</li> <li>- Read the product label.</li> <li>- Ensure the equipment (and dipping facilities) to be used are in good working order.</li> <li>- Decide how to safely dispose of the used dip wash.</li> <li>- Check that there is sufficient appropriate personal protective equipment (PPE) available.</li> <li>- Ensure that all the people that will be involved in the dipping are adequately informed and trained.</li> <li>- Provide a suitable water supply – taps connected to the mains water supply must be fitted with non-return valves.</li> </ul>
2.2	Explain the requirements of the Control of Substances Hazardous to Health (COSHH) Regulations.	<ul style="list-style-type: none"> <li>- To identify the hazards.</li> <li>- To assess the risks.</li> <li>- To explain mitigation options for the identified risk.</li> <li>- To take proper precautions to protect the health of people and the environment.</li> </ul>

		<ul style="list-style-type: none"> <li>- To train dip operators and keep them up to date.</li> </ul>
2.3	<p>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.</p>	<p>Aims:</p> <ul style="list-style-type: none"> <li>- To control the parasites.</li> <li>- To avoid ill-health in people.</li> <li>- To avoid harm to the environment.</li> <li>- To ensure the welfare of the sheep.</li> </ul> <p>Essential features when siting a dip:</p> <ul style="list-style-type: none"> <li>- Proximity to watercourses, springs and bore holes.</li> <li>- Good ventilation.</li> <li>- Prevent public access.</li> </ul>
2.4	<p>Identify those who should <b>not</b> be present in the dipping area.</p>	<ul style="list-style-type: none"> <li>- Children.</li> <li>- Those advised by their doctor to avoid dip products.</li> <li>- Animals not being dipped (including domestic pets).</li> <li>- All other people not required in the dipping operation.</li> </ul>
2.5	<p>Describe occasions when operators could be exposed to <b>concentrate</b> sheep dip.</p>	<ul style="list-style-type: none"> <li>- Preparing the dip bath.</li> <li>- Using a closed transfer system.</li> <li>- Handling contaminated PPE.</li> <li>- Transporting damaged concentrate dip containers.</li> <li>- Routes of exposure e.g. by absorption through the skin, by swallowing, or by breathing in vapour or aerosol.</li> </ul>
2.6	<p>Describe occasions when operators could be exposed to <b>dilute</b> sheep dip.</p>	<ul style="list-style-type: none"> <li>- During dipping.</li> <li>- Cleaning the concentrate container.</li> <li>- 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).</li> <li>- When releasing sheep from draining pens.</li> <li>- Disposing of used dilute sheep dip.</li> <li>- Cleaning equipment and PPE.</li> </ul>
2.7	<p>Describe the action to be taken if the following occurs:</p> <p>Splashes of sheep dip <b>concentrate</b> get on to the exposed skin or PPE</p> <p>PPE becomes heavily contaminated with sheep dip <b>concentrate</b>.</p>	<ul style="list-style-type: none"> <li>- Wash off splashes immediately with lots of clean cold water.</li> <li>- Remove contaminated clothing immediately and wash or dispose of safely in a sealed bag.</li> <li>- If dipping is to continue, put on clean PPE.</li> </ul>

	<p>A person is heavily contaminated with <b>diluted</b> sheep dip (e.g. falls into dip bath).</p> <p>Personal clothing worn under PPE becomes contaminated.</p>	<ul style="list-style-type: none"> <li>- Treat as an emergency.</li> <li>- Remove from source of contamination as soon as possible.</li> <li>- Remove all contaminated clothing immediately.</li> <li>- Then wash all infected skin with lots of clean cold water.</li> <li>- Ensure wash-off water is contained.</li> <li>- Seek prompt medical advice.</li> <li>- Tell the doctor what product was used and take the product data sheet/product label.</li> <li>- Report all cases of ill health as soon as possible to the VMD and the HSE. (In Northern Ireland, Health &amp; Safety Executive Northern Ireland).</li> <li>- Remove contaminated clothing immediately and wash (ensuring that drains or watercourses are not contaminated) or dispose in accordance with legislation.</li> <li>- Wash all potentially exposed skin with lots of clean water.</li> <li>- If dipping is to continue, put on clean clothing.</li> </ul>
2.8	Identify symptoms of poisoning in people.	<ul style="list-style-type: none"> <li>- Feeling of exhaustion, weakness and anxiety.</li> <li>- Headache.</li> <li>- Dizziness.</li> <li>- Cramp-like abdominal pains, nausea and vomiting.</li> <li>- Chest pains.</li> <li>- Excessive sweating.</li> <li>- General muscle twitching.</li> <li>- Convulsions.</li> <li>- Diarrhoea.</li> <li>- Extreme difficulty with breathing.</li> <li>- Blurred vision.</li> <li>- Salivation.</li> <li>- Paresthesia (pins and needles).</li> <li>- Skin sensitisation.</li> <li>- Itching.</li> </ul>
2.9	Describe key steps to be taken when an operator feels ill during dipping.	<ul style="list-style-type: none"> <li>- Take person away from dipping area.</li> <li>- Wash and remove protective clothing.</li> <li>- Remove any contaminated personal clothing.</li> <li>- Wash exposed skin.</li> <li>- Seek prompt medical advice.</li> <li>- Tell doctor what product is being used and take data sheet.</li> </ul>



		<ul style="list-style-type: none"> <li>- Reporting requirements under RIDDOR to HSE.</li> <li>- Reporting requirements under SARSS to VMD.</li> </ul>
2.10	Describe precautions which should be taken when handling sheep during the weeks following dipping and <b>extra</b> precautions when handling wet sheep during the weeks following dipping.	<p>Precautions:</p> <ul style="list-style-type: none"> <li>- Handle as little as possible.</li> <li>- Wear overalls.</li> <li>- Wear good quality synthetic rubber disposable gloves.</li> <li>- Wash hands and exposed skin after completion of work.</li> </ul> <p>Extra precautions when handling wet sheep:</p> <ul style="list-style-type: none"> <li>- Wear Wellington boots.</li> <li>- Wear waterproof trousers.</li> <li>- Wear waterproof coat.</li> </ul>
2.11	Explain why it is important to follow the “withdrawal period” as on the product data sheet/product label.	<ul style="list-style-type: none"> <li>- To ensure that consumers of sheep meat or sheep products are not affected by residues of sheep dip.</li> <li>- To comply with legislation.</li> </ul>

### Outcome 3: Know about environmental factors

Ref	Assessment Criteria	Scope of Study
3.1	Describe key features of a sheep dip facility that help to prevent environmental contamination.	<ul style="list-style-type: none"> <li>- Identify potential risk to environmental contamination.</li> <li>- Dilute dip draining from dipped sheep is channelled back into dip bath.</li> <li>- Sited away from wells, boreholes, watercourses, springs and drainage systems.</li> <li>- Dip bath does not overflow during use.</li> <li>- No drain hole.</li> <li>- Ease of emptying.</li> <li>- Draining pens are of adequate size.</li> <li>- The dip bath does not leak.</li> </ul>
3.2	Explain the key requirements for the safe long-term storage of sheep dip concentrate.	<ul style="list-style-type: none"> <li>- In original undamaged container.</li> <li>- In safe place under lock and key.</li> <li>- In a store designated for approved pesticide or veterinary medicines.</li> <li>- As stated on the product data sheet/product label.</li> <li>- Storing containers off the ground.</li> <li>- Away from drains and watercourses.</li> <li>- Methods of containing and/or absorbing spillages.</li> </ul>

3.3	Describe precautions that should be in place in case of a spill of concentrated sheep dips.	<ul style="list-style-type: none"> <li>- Ensure there is a supply of absorbent material.</li> <li>- Ensure there is a container to hold the absorbed liquid which can be sealed, does not leak or let in water.</li> <li>- Safely dispose of contaminated material after the spill has been cleaned up - in a sealed labelled plastic bag.</li> <li>- Disposal by a licensed waste disposal contractor.</li> </ul>
3.4	Explain the requirements to help to ensure the sheep dip concentrate will be kept safely during the dipping operation.	<ul style="list-style-type: none"> <li>- Kept in the original undamaged containers.</li> <li>- In a safe and secure place (closed transfer system containment).</li> <li>- In a vehicle - if kept in an attached locked metal container.</li> <li>- Complies with product data sheet/product label.</li> <li>- Kept on level ground away from drains and watercourses.</li> </ul>
3.5	Explain where to obtain advice and guidance when using sheep dip.	<ul style="list-style-type: none"> <li>- Health and Safety Executive (HSE).</li> <li>- Health &amp; Safety Executive Northern Ireland (HSENI).</li> <li>- The appropriate Environmental Regulator.</li> <li>- Department for Environment, Food and Rural Affairs (DEFRA).</li> <li>- Department of Agriculture, Environment and Rural Affairs (DAERA).</li> <li>- The product supplier/manufacturer.</li> </ul>
3.6	Describe safe ways of disposing of surplus sheep dip concentrate and safe ways of disposing of spent, diluted sheep dip.	<p>Surplus concentrate:</p> <ul style="list-style-type: none"> <li>- Return to supplier/manufacturer.</li> <li>- By a licensed waste disposal contractor.</li> </ul> <p>Spent diluted dip:</p> <ul style="list-style-type: none"> <li>- Dilute with water or slurry at a dilution rate of 1 part diluted sheep dip to 3 parts water or slurry.</li> <li>- 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.</li> <li>- Site agreed with the appropriate Environmental Regulator.</li> <li>- By a licensed waste disposal contractor.</li> </ul>
3.7	Explain the requirements that would identify a suitable area of land for spreading diluted used sheep dip.	<ul style="list-style-type: none"> <li>- The ground is as level as possible, not waterlogged nor prone to flooding.</li> <li>- When the ground is not frozen.</li> <li>- Soil type, depth and underlying strata are suitable to absorb the dip wash.</li> <li>- It is of minimal amenity and wildlife value and not designated land (e.g. SSSIs).</li> <li>- It has no access for people or animals.</li> <li>- It will not be used for grazing stock for at least a month.</li> <li>- Some vegetation present.</li> <li>- It does not contain crops.</li> </ul>

		<ul style="list-style-type: none"> <li>- It must not be bare, sparsely vegetated, fissured or compacted.</li> <li>- It is not adjacent to wells, watercourses, springs, boreholes or new and existing drainage systems.</li> <li>- It must be spread more than 10 metres from watercourses and more than 50 metres from wells and springs.</li> <li>- It has been approved for this use by the relevant authority.</li> </ul>
3.8	Describe precautions that should be taken when dealing with empty sheep dip containers.	<ul style="list-style-type: none"> <li>- Wear correct PPE.</li> <li>- Clean containers and closed transfer equipment thoroughly, putting rinses into the sheep dip bath.</li> <li>- Disposal by a licensed waste disposal contractor.</li> <li>- Never re-use containers.</li> <li>- Used containers should not be left lying around.</li> </ul>
3.9	Describe the dangers which may arise from incorrect disposal of used (dilute) sheep dip.	<ul style="list-style-type: none"> <li>- Contamination of surface watercourses or groundwater.</li> <li>- Contamination of drinking water.</li> <li>- Death of birds, fish and other wildlife.</li> <li>- Death of domestic or other farm animals.</li> <li>- Damage to crops/grassland.</li> <li>- Prosecution and fine.</li> <li>- Penalties as a result of non-compliance.</li> </ul>

#### Outcome 4: Know about animal welfare

Ref	Assessment Criteria	Scope of Study
4.1	Describe occasions when sheep should <b>not</b> be dipped.	<ul style="list-style-type: none"> <li>- When sheep are ill (except illness caused by ectoparasites).</li> <li>- When sheep are in a vulnerable stage of pregnancy.</li> <li>- When sheep are stressed.</li> <li>- When sheep have just eaten.</li> <li>- When sheep are thirsty.</li> <li>- When sheep may be slaughtered within the withdrawal period.</li> <li>- When sheep are very wet.</li> <li>- When the weather is too hot, or below freezing or heavy rain is imminent.</li> <li>- Immediately after sheep have been driven.</li> <li>- When a group is of a mixed size/age.</li> </ul>
4.2	Describe ways of minimising stress to sheep during dipping.	<ul style="list-style-type: none"> <li>- By not overcrowding the holding pens, dipping bath and draining pens.</li> <li>- By not rushing the job.</li> <li>- By not rushing sheep before or after dipping.</li> </ul>

## Test Specification

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

Paper: **0141-052**

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%

<b>Unit 03</b>	Duration: <b>1 hour</b>		
<b>Learning Outcome</b>	<b>Assessment criteria</b>	<b>No of items / marks</b>	
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	

## 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](http://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*

## **About City & Guilds**

As the UK's leading vocational education organisation, City & Guilds is leading the talent revolution by inspiring people to unlock their potential and develop their skills. We offer over 500 qualifications across 28 industries through 8500 centres worldwide and award around two million certificates every year. City & Guilds is recognised and respected by employers across the world as a sign of quality and exceptional training.

## **City & Guilds Group**

The City & Guilds Group is a leader in global skills development. Our purpose is to help people, organisations and economies develop their skills for growth. We work with education providers, employers and governments in over 100 countries across the world to help people, businesses and economies grow by shaping skills systems and supporting skills development.

The Group is made up of City & Guilds, ILM, Kineo, The Oxford Group, Gen2, and Intertrain. Together we set the standard for professional and technical education and corporate learning and development around the world.

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