

LANLP12 SQA Unit Code H5AB 04

Prepare, monitor and maintain mechanically controlled livestock production environments

Overview

This standard covers the preparation, monitoring and maintenance of a mechanically controlled livestock production environment e.g. those used in poultry and pig industry.

Those working in this area will be responsible for maintaining the environment in accordance with production requirements, and will therefore have significant responsibility.

When working with livestock or machinery you need to be appropriately trained in line with current legislation, and hold a relevant award where appropriate.

You must carry out your work in a way which will consider any impact on the natural environment and enhance its nature and conservation.

This standard is suitable for those involved in the preparation, monitoring and maintenance of mechanically controlled livestock production environments.

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Performance criteria

- You must be able to:*
- P1 ensure the layout of the mechanically controlled livestock production environments is prepared and suitable to the quantity and type of livestock
 - P2 ensure tools, equipment and machinery is fit for use and properly set up in accordance with production requirements
 - P3 monitor and maintain environmental conditions and report to appropriate person
 - P4 monitor the condition of the livestock and take appropriate action where their behaviour and condition is abnormal, or causes concern
 - P5 ensure any equipment malfunctions within the mechanically controlled livestock production environment, are dealt with and reported to appropriate person where they are above your responsibility, as soon as possible
 - P6 ensure any external factors which might have an impact on the maintenance of the mechanically controlled livestock production environment are dealt with appropriately
 - P7 take appropriate action when environmental conditions cause concerns
 - P8 maintain effective communication with colleagues and others involved in or affected by the work
 - P9 establish measures to maintain suitable levels of hygiene and bio-security
 - P10 carry out all work in accordance with relevant environmental, health and safety legislation and animal health and welfare legislation, risk assessment requirements, codes of practice and company policies
 - P11 ensure appropriate records are maintained and stored as required by relevant legislation and the organisation

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Knowledge and understanding

You need to know and understand:

- K1 different types of mechanically controlled livestock production environment and how to prepare for livestock requirements
- K2 the requirement of the system in terms of layout and environmental conditions
- K3 types of tools, equipment and machinery required and how to prepare, maintain and use these safely and effectively
- K4 the requirements which different livestock (e.g. age, production status) have in relation to environmental conditions and how they have an impact on the livestock condition and behaviour
- K5 the influence and impact environmental conditions have on production
- K6 the correct environmental conditions for production purposes
- K7 the types of environmental problems which may occur and how these should be dealt with
- K8 the purpose of monitoring and recording environmental conditions and the ways in which this can be carried out
- K9 the reasons why there may be deviations in environmental conditions and how these should be dealt with
- K10 alarms and fail safe procedures
- K11 limits of your responsibility in relation to the maintenance of equipment within the system
- K12 methods for preventing and recognising disease and contamination within the system
- K13 appropriate records to be kept and how long they should be retained
- K14 the importance of maintaining effective communication with those involved in, or affected by the work
- K15 your responsibilities under current environmental and health and safety legislation, animal health and welfare legislation, codes of practice and company policies

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Glossary

The term livestock may be interpreted as hatching eggs for anyone working within a hatchery.

Problems: deviations from optimum environmental conditions, equipment malfunction

Mechanically controlled environment - air flow, ventilation, temperature, light, humidity

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