

Summary of Environmental Management System

P Furniss, New House Farm, Chester Road, Chetwynd, NEWPORT Shropshire

The Environmental Management System (EMS) in place includes the following:

- 1) Implementing Environment Agency's Environmental Permit Regulations (EPR) 'How to Comply' document 6.09 (version 2)
- 2) Farm assurance scheme – Red Tractor Assurance
- 3) Evidence of training, operating, inspection and maintenance in compliance with the manufacturers' instructions
- 4) Records of complaints, incidents and reporting
- 5) Evidence that Basic Farm Payment Scheme cross compliance requirements are complied with
- 6) Records and operations as per statutory requirements (e.g. relating to Nitrate Vulnerable Zones, waste regulations, water resources act, health and safety, COSHH, duty of care)
- 7) Stock movement and numbers on site are recorded as per statutory requirements (Nitrate Vulnerable Zones (NVZs), The Pigs (Records, Identification and Movement) Order 2011 (PRIMO) and eAML2)
- 8) Storage complies with the Silage, Slurry and Agricultural Fuel Oil regulations (SAFFO) and current BAT guidelines.
- 9) Manure and Nutrient Management Plans
- 10) Pollution Prevention and Management Plan
- 11) Staff are trained and are aware of their own, and any contractors' responsibilities.
- 12) Bioaerosols, Pest, Odour and Noise Management Plans

In addition to the above, the EMS includes:

Normal operations

- Daily records are kept on all aspects of the farm's operation including:
 - Pig movements
 - Feed consumption and deliveries
 - Delivery of goods and materials
 - Medication
 - Mortalities
 - Temperature/humidity of areas within pig housing
- Weekly records of water consumption are kept
- Staff carry out daily inspections of the site to ensure all plant is operating correctly
- The farm manager reviews information and operation frequently with staff, to identify any unexpected or abnormal changes in operation and agree suitable remedial action if necessary.

Maintenance schedule and records

A programme of planned preventative maintenance is carried out on all plant equipment including:

- Ventilation equipment
- Sensors and detectors
- Feed and water systems
- Slurry handling and storage equipment/structures
- Inspections and maintenance schedules are based on the manufacturer recommendations
- Alarm systems are serviced and tested
- Ventilation fail-safes are tested in accordance with relevant regulations
- Buildings and equipment on site are inspected weekly and checked for visual signs of leakage, corrosion and structural damage, security and correct operation
- A record of all faults, maintenance work and inspections is kept in the office. Details can be found in the inspection and maintenance schedule (template included on page 6 of this document).

Incidents and abnormal operations

Measures are in place to identify incidents and abnormal operations such as breakdowns, damage, etc. Staff are trained to notice and respond to abnormal changes in operation by investigating the causes. They then either take steps to get back to normal operation and ensure the problem does not reoccur or report issues that cannot be immediately addressed.

A copy of the permit is available and accessible for staff to read. Staff have been given training on the potential environmental impacts of the unit and their role in ensuring environmental impacts are minimised. Training records are maintained.

An Accident Management Plan is available to all staff.

Complaints system

Complaints relating to the farm's activity are logged and referred to the farm manager for investigation and follow up action (a copy of the form to be used can be found on page 11 of this document). A record is kept of any remedial action to prevent or minimise the causes and staff will also respond to concerns raised by the local community as appropriate.

On receipt of the environmental permit we will place a site identification notice at the entrance of the site clearly visible from a public highway in accordance with '*How to comply with your environmental permit for intensive farming Version 2 2010*'. The sign will notify neighbours and members of the public about the nature of the farm and who they can contact for further information or to notify a concern.

Accidents

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The site has an Accident Management Plan which will be implemented if an accident occurs. Events or failures that could damage the environment have been identified in the Environmental Risk Assessment. A back up copy of the Accident Management Plan can be found in the farm office in the event that the pig unit office is inaccessible in an emergency. All staff are aware of the location and content and their responsibilities in the event of an accident.

Training and qualifications

- All staff are suitably qualified to work at the installation
- All staff receive formal training from both the farm manager and external training providers, which includes making them aware of their (and contractors’) roles and responsibilities
- All staff have received formal training on Health and Safety, the accident management plan and will be trained about the requirements of the environmental permit and pollution prevention.
- New staff are mentored as part of their ‘on the job’ training
- Staff and contractors have defined roles and understand what is required of them and what others will carry out
- Training and instruction of staff and contractors is recorded in the training plan; the training plan is kept in the site office

Site security

- The site is located from a short access track from the A41 but is reasonably well screened from the road.
- Native tree and hedgerow planting at the nearby field boundaries provide visual screening.
- The site can be accessed only via the designated track through a locked gate with CCTV in operation. The buildings will have lockable entry points. The loading ramp will have a roller shutter door operated from inside the building.
- Sheds, stores and equipment are securely locked at night
- No unauthorised access at any time - pedestrian and vehicle
- There are no fuel oil tanks or LPG tanks on the installation
- Signs are placed around the perimeter to warn unauthorised people against entering the site
- There is no public footpath through or adjacent to any part of the installation.

Energy efficiency

Energy usage at New House Farm is as follows:

Energy source	Use
Electricity	Lighting, ventilation, computer control systems, feed augers, water pumps.
Bottled gas	N/A
Diesel	N/A

Basic energy requirements

The site has been designed with a strong focus on resource saving and efficiency as follows:

- Control sensors are checked in accordance with manufacturer's instructions and kept clean so they are able to detect the temperature at the stock level
- Ventilation rates are computer controlled to minimise, as far as the indoor requirements allow, heat losses from the sheds
- Fans are fitted with back draft shutters to reduce heat loss
- The sheds are maintained in good condition
- The sheds are fully insulated to reduce condensation, heat loss and solar gain
- The flooring is maintained and cracks are repaired

Electricity

- Renewable energy (AD) is produced by the operators and sold onto the national grid
- The ventilation fans in all sheds have been selected so that they are the appropriate power and size for the age and number of animals housed
- The computer systems control the ventilation for maximum efficiency
- The fans are low energy and are regularly maintained and cleared of debris
- Low energy light bulbs are used in the office and stores
- LED lights are used in the sheds.

Fuel oil

- There is a fixed generator to provide electricity in the event of a power failure. There is a fuel tank as shown on the attached plan.
- Vehicles and tractors are serviced by a contractor at recommended service intervals
- All staff and contractors employed on site are trained in the efficient use of equipment, including driving techniques. Training needs are reviewed annually and as new equipment or techniques are introduced
- Energy usage is recorded. In accordance with the permit, energy efficiency and usage will be reviewed every four years. Opportunities to improve energy efficiency will be implemented if suitable.
- Well-maintained machinery with energy efficient engines is used and maintained on a rotating replacement policy looking for the most energy efficient models.

Further potential improvement measures include:

- Installing more energy efficient equipment and controllers, as appropriate, eg lighting timers

Efficient use of raw materials

- Types and amounts of raw materials used on farm are listed in the Raw Materials Inventory

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- Product safety sheets should be attached to this form
- The raw materials inventory will be reviewed every four years to identify opportunities for reducing usage or substituting materials that are less harmful.

Minimising water use

- Water nipples are used to minimise water wastage.
- Water is measured weekly by a water meter on the borehole. Water usage is closely monitored; any significant fluctuations will be investigated by the farm manager and remedial action taken
- A water efficiency audit will take place within two years of the permit issue. Water use will then be reviewed every four years.

Avoidance, recovery and disposal of wastes

A waste minimisation review will be undertaken every 4 years taking into account the waste hierarchy and to identify whether appropriate measures to ensure that minimal waste is produced need to be updated and changed.

Waste items which are technically and financially impossible to recover including such things as sharps, vaccines and veterinary materials but also gloves and ABP, are collected by a suitably licensed contractor for disposal.

Please refer to latest Waste Review Action Plan (Appendix 12).

Inspection and maintenance schedule

Records are kept of inspection and maintenance of farm structures and plant. Staff report any problems encountered and actions taken on a daily basis directly to the pig unit manager. A record is made in a logbook kept in the office. This is reviewed daily by the person with overall responsibility for the site for that day and appropriate action implemented.

Structures and equipment are inspected weekly/monthly. The inspection and maintenance programme covers the following areas:

- Building structures and yards; includes structural integrity, flooring, concrete, water system, electrical systems (including ventilation and fail-safes), roofs, drainage systems, gutters and downpipes, soakaways
- Slurry system; includes reception pits under slats and associated pipework, pumps and equipment/machinery.
- Medicines/chemical stores; includes bunding and security arrangements
- Feed storage silos, bins; includes collision protection integrity as applicable
- Feed and water delivery pipework/systems
- Deadstock storage

The full annual inspection and maintenance schedule should be detailed in the tables that follow.

Annual inspection and maintenance schedule Year: _____

Facility	Reference on site Layout Plan	Remedial work required and date noted	Date remedial work completed	Signature
Pig buildings , internal and external infrastructure	See Appendix 4 (b)			
Drainage channels, drainage covers, guttering and Soakaways	See Appendix 4(c)			
Slurry storage under slats and associated pipework, pumps and equipment				
Feed bins, including collision protection Feeders and feed system (pipework, augers, etc)				

Facility	Reference on site Layout Plan	Remedial work required and date noted	Date remedial work completed	Signature
Water tanks and water system (pipework, drinkers)				
Ventilation systems				
Office and staff changing area				
Medicine store				
Chemical store				
Track and hard standing areas between buildings				
Deadstock collection bin	Perimeter of site for collection			

Facility	Reference on site Layout Plan	Remedial work required and date noted	Date remedial work completed	Signature

Operator signature: Date:

Intensive Farming General Complaint Form

Name of farm	
Time and date of complaint	Name and address of complainant
How complaint was received, eg telephone call, visit, etc?	Email address of complainant
Who first received the complaint?	Telephone number of complainant
Who was the complaint reported to for further action?	
Type of complaint <i>(give all relevant details – use space overleaf if necessary)</i>	
Describe the activity which was happening at the time of the complaint <i>(include names of any relevant staff)</i>	
Any other relevant information	
Are there any other complaints relating to the installation or that location? (If yes, give details)	
Actions taken and by who	

Form completed by	Signed	Date
<p>Intensive Farming General Complaint Form</p> <p>Type of complaint continued...</p>		

Site closure/decommissioning plan

Purpose

This plan indicates how buildings, infrastructure and any remaining manures and wastes will be dealt with when a site is closed or decommissioned.

The plan also includes a record of any pollution incidents, such as spillage of oil, leaking stores, etc. which have occurred during the operation of the permitted site, together with the steps taken to remedy that pollution at the time. This will help to establish whether the site is in a satisfactory state when the permitted Schedule 1 Activity (pig production) ceases and the EPR/IPPC Permit is surrendered.

Methodology

Buildings, stores and facilities which are to remain in place will be cleaned thoroughly internally and externally to avoid any potential risk of pollution. If these buildings, stores or facilities are to continue in use for activities for which the Permit is no longer required, a suitable programme of works and timescale for completion will be agreed in writing with the Environment Agency to achieve the best environmental outcome and to minimise waste.

Wastes, including unused chemicals, asbestos and oils, will be disposed of following the Duty of Care. Slurry under-slat pit will be emptied as appropriate with the contents applied to land for agricultural benefit.

Where possible, unused livestock feeds will be collected and fed to suitable livestock elsewhere. Spoilt and surplus feedstuffs, and feedstuffs that cannot be recovered by feeding to stock, will be mixed with slurry or manure as appropriate and used in accordance with the methods already stated.

Infrastructure dedicated to the livestock named in the permit will be removed or taken out of use if no immediate further use is required for it on that site. Buildings will be cleaned and secured if their use is no longer required. This plan will be maintained on site, updated as circumstances change and will be reviewed every four years. Please refer to the Site Layout, Site Drainage and Site Services plans and Site Condition Report for further details.

Pollution Incident Record

Permit Number:.....

Attach relevant documents or provide details using the Pollution Incident Record form provided below.

Date of incident	Description of the incident <i>Include any EA case number and name(s) of EA officers in attendance, if applicable</i>	Action taken	Signature

Please now append your Accident Management Plan which can be found in 3.5 3c Appendix.

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