

Summary of Environmental Management System
Cattle Holderness Ltd, Southfield Pig Farm

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, and any contractors', responsibilities.
- 12) Bioaerosols, Pest, Odour and Noise Management Plans (if applicable)

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
 - Ventilation/temperature/humidity of areas within pig housing (where applicable)
- Weekly records of water, energy and fuel 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 (including borehole)
- Manure and slurry handling, separation and storage equipment/structures
- Fuel and chemical stores and bunds
- Inspections and maintenance schedules are based on the manufacturer recommendations
- Alarm systems are serviced and tested
- Back-up generator is 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 the operator 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

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 permit holders' office in the case that the site 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 remote from any centre of population.
- Sheds, stores and equipment are securely locked at night
- The site gates are locked at night to prevent pedestrian and vehicle access out of hours
- Fuel tanks secure and locked
- Signs are placed around the perimeter to warn unauthorised people against entering the site
- There is no public footpath through any part of the site.

Energy efficiency

Energy usage at Southfield Pig Farm is as follows:

| Energy source | Use |
|---------------------|--|
| Electricity | Lighting, ventilation, slurry handling (and infrastructure associated with separation processes), computer control systems, feed augers, milling and mixing, water pumps, pressure washing, incinerator. |
| Calor gas | Corn drying |
| Diesel and Kerosene | Vehicles and generator |

Basic energy requirements

The site has been designed with a strong focus on renewable energy and resource saving and efficiency, e.g. solar and wind energy, LED lighting, insulated buildings.

- 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 heat losses from the sheds, as far as the indoor requirements allow
- 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 damage is repaired

Electricity

- Electricity from a mixture of mains supply and also solar and wind energy.
- The ventilation fans where applicable 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
- LED lights are used in the sheds.

Fuel oil

- There is a fixed generator on the installation. This has an integrated diesel tank.
- All fuel tanks on installation meet SSAFO regulations and have a bund with at least 110% capacity of the associated tank.
- 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.
- We use well maintained machinery with energy efficient engines, 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
- 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 and bowls 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 to take into account the waste hierarchy and to identify whether appropriate measures to ensure that minimal waste is produced need to be updated and changed.

For wastes which are technically and financially impossible to recover, such as sharps, vaccines, veterinary materials, including gloves and ABP, these are collected by a suitably licensed contractor for disposal.

Please refer to latest Waste Review Action Plan.

Environmental Policy Statement (EMS)

Southfield Pig Farm is committed to protecting the environment by implementing policies that will achieve a sustainable, thriving business, whilst also minimising any negative impacts of its activities, and seeking, where possible, to maximise the potential yield of products produced and effective use of co-products and materials such as organic matters.

The key points of the policy will be implemented through the Environmental Management System, adhering to at least the minimum standards of the environmental permit and other relevant legislation as follows, by:

- Reporting the welfare of livestock, staff, visitors, neighbours, and sensitive habits
- Using resources efficiently to minimise waste and emissions
- Participating in schemes that promote efficiency
- Striving for continual improvement
- Meeting or exceeding all the environmental legislation that relates to the business
- Actively promoting reduction, recovery and recycling of resources used, both internally and among any customers or suppliers

Climate Change Adaptation Planning

Climate projections for the UK suggest that we can expect:

- Higher average temperatures – particularly in summer and winter
- More heat waves and hot days
- Rising sea levels
- Changes in rainfall patterns and intensity
- More storms

We will review this at least every four years, or more frequently as appropriate, the adaptations the site and management may require going forwards to mitigate any risks posed by a changing climate. We will continue to ensure that we comply with the conditions of our permit.

We are working with our pig and feed supplier to mitigate GHG emissions within the supply chain and to plan for net zero. In assessing the risks to the installation, we include the associated risks to local communities and the wider environment. We understand that these impacts and risks may change over the lifetime of the activity and therefore will review our plans, adaptations and risk assessments at least every 4 years or in response to new information and learning.

Rather than having a completely separate plan, we have built in climate change resilience and contingency planning into our Emergency Action Plan. Including looking at multiple factors occurring at the same time – for example, supply chain failure and extreme weather. Informing our current contingency plans, and the mitigations and adaptations that need to be considered for the future, is a Climate Change risk assessment which will be regularly updated/reviewed.

Plans are aimed to ensure our operations remain resilient at stages along a climate projection of at least 2° C global mean temperature rise by 2050. Also, assess what further requirements may be necessary along a projected 4 ° C rise by 2100 – up to the projected lifetime of the permitted activity.

To anticipate and prevent risks to local communities and to the environment, we plan to test the effectiveness of our:

- Actions
- Policies
- Procedures
- Assessments

We use the *Adapting to Climate Change: Industry Sector Examples for Your Risk Assessment* when developing or reviewing our management system.

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 log book 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
- Slurry system; includes reception pits under slats and associated pipework, pumps, tanks, technical equipment and machinery, and slurry separator and separate stores, including the lagoon and the linking underground pipe
- FYM banded pads (including roofs) and effluent/reception tanks
- Medicines/chemical stores; includes bunding and security arrangements
- Feed kitchen
- Feed storage silos, bins; includes collision protection integrity as applicable
- Feed delivery pipework/systems
- Borehole and water delivery pipework
- Water storage tanks
- Deadstock storage
- Incinerator
- Generator
- Fuel 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, including roofs, guttering, flooring, infrastructure and loading ramps | See Appendix 4 | | | |
| Yard areas | | | | |
| Drainage channels and drainage covers | | | | |
| Slurry storage under slats | | | | |
| Slurry pipes, storage/handling tanks, separation equipment | | | | |
| Slurry lagoon and associated pipework | | | | |
| FYM stores and effluent /reception tanks | | | | |

| Facility | Reference on site Layout Plan | Remedial work required and date noted | Date remedial work completed | Signature |
|-------------------------------------|-------------------------------|---------------------------------------|------------------------------|-----------|
| Deadstock collection bin | | | | |
| Incinerator | | | | |
| Generator and integrated fuel tank | | | | |
| Fuel storage tanks | | | | |
| Office and biosecurity/vet med room | | | | |
| Straw and mineral storage | | | | |
| Workshop and chemical stores | | | | |
| Feed kitchen, home mill and mix | | | | |

| Facility | Reference on site Layout Plan | Remedial work required and date noted | Date remedial work completed | Signature |
|---|-------------------------------|---------------------------------------|------------------------------|-----------|
| Feed bins, including collision protection, and feed pipes | | | | |
| Parking and turning area | | | | |
| Hard standing areas | | | | |
| Borehole and water pipes, nipple drinkers, etc Water storage tanks | | | | |
| Ventilation systems | | | | |
| | | | | |

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. Manure, slurry and dirty water stores 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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