

Technical Standards

Project Name	Langrick Manor Farm
EPR	EPR/CP3428MY/P001
Type (New Permit/Variation)	New

Schedule 1 Activity or DAA description	Relevant Technical Guidance note
Section 6.9A (1) (a) (ii)	How to comply EPR 6.09 Version 2
Pig production	
Pig feed storage and preparation	Selection and use of feed is in accordance with SGN EPR6.09 'How to comply with your environmental permit for intensive farming' ① Feed is stored in purpose built, covered, feed silos as shown. Dry feed is delivered to the farm by lorry from feed suppliers. Feed is blown directly from the lorry into the relevant storage silos. Feed is piped in sealed system to the sheds minimising creation of dust. ① Feed storage vessels are protected from collision damage by curbing and barriers. ① No liquid feed storage ① Areas around buildings are kept free from build-up of spilt feed ① Selection and use of feed is in accordance with SGN EPR6.09 'How to comply with your environmental permit for intensive farming' ① Protein and phosphorus levels in the rations are matched to the animals' needs by providing at least two different feed formulations. A nutritionist is employed to regularly review and reformulate diets in order to optimise production and minimise excretion of nutrients. ① Feed never falls any great distance as it is topping up little and often
Slurry management	① Slurry is exported directly. And spread to Operators land or 3rd party land in accordance with Manure Management Plan
Slurry storage	① Slurry is removed directly from under slats and pumped to slurry lagoons ① Wash water transferred into separate dirty water stores for the existing sheds and proposed new sheds ① Clean water is segregated from dirty water in separate pipework and flows into an unnamed ditch
Fuel oil & chemical storage, low capacity non SRM	① Fuel storage is banded and in accordance with the SAFFO regulations ① Disinfectants and washing materials are stored within a secure building. Veterinary medicines are stored within a locked fridge/cupboard dependent on storage requirements ① The carcass incinerator is APHA approved
Housing	Housing design and management is in accordance with SGN EPR6.09 'How to comply with your environmental permit for intensive farming' ① The buildings and associated drainage have all been built to BAT standards, with a strong focus on resource saving and efficiency ① All pigs at all stages are kept on slatted floors. The buildings are a mix of naturally ventilated high speed roof fans for improved dispersal and dilution of emissions. ① There is a programme of inspection and planned preventative maintenance for the housing, drainage and all equipment. Floors and walls are kept clean. Any cracks and damaged areas of yards and walls are repaired. ① Drinkers have been designed to prevent leakage to minimise the amount of dirty water going to the slurry storage. Water nipple drinkers are used, and water consumption is monitored. ① Service checks are carried out on the ventilation system monthly in accordance with the manufacturer's instructions. Alarms are tested weekly.
Low capacity non SRM Drainage	N/A
	① There are no direct or indirect releases to ground water. Borehole is protected from back flow and over-surface flow from yards. ① Refer to the drainage plan (Appendix 4). A copy of the drainage plan is also kept with the accident management plan. ① The clean water drainage systems are not contaminated. ① Yard areas are kept visibly clean; drainage channels/pipes are kept clear and spilt feed and dust are cleaned up ① Disinfectant footbaths are designed not to overflow.
Livestock numbers and movements	A system is in place to record the number of animals on the farm at any one time. Animal movements on and off the farm are also recorded; these records will be available for inspection.
Deadstock disposal	Fallen stock is disposed of in accordance with the current Animal By-Products Regulations via the on-site carcass incinerator.
Veterinary medicines and pest control	Pesticides/rodenticide and veterinary medicines are kept in a store capable of retaining spillage, resistant to fire and are kept dry, frost free and secure.
Pollution Prevention Measures	① All staff are trained in pollution risk identification, minimisation and emergency procedures for general site activity and activity relating to their work duties. ① There is an accident management plan in place with a procedure to review incidents.
Hazardous waste	Veterinary waste is removed by the vet for safe disposal. Other hazardous waste, such as fluorescent light bulbs, waste oil, aerosols, etc. are removed by a licensed contractor with an adequate audit trail, meeting the requirements of the Environmental Permitting Regulations.

Table of Emission Points

Emission Point Reference	Emission Point Description and Location	Source
Air		
Pig buildings 6 and 7	Production pig accommodation (>30kg) see site plan	Area source from naturally ventilated pig housing

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Pig buildings 1, 2, 3, 4, 5	Production pig accommodation (>30kg) plus weaner accommodation <30kg– high speed roof fan ventilation – See site plan	Point sources from high speed fan ventilation outlets
Feed Bins	Dry feed delivery/storage areas (enclosed system through to feed troughs) – marked on Site Layout Plans Appendix 4b	Pig feed storage
Incinerator	Vent from incinerator	Point source from vent
Fuel storage	Fuel storage tanks	Point source for tank vents
Slurry lagoon	Slurry lagoons covered in floating clay balls	Area source from naturally ventilated pig housing
Land		
Free-draining hardcore yard acting as soakaway		
Water		
D1 – ditch to West of installation	Rainwater from roof space on naturally ventilated and mechanically ventilated buildings, concrete yard areas between these buildings, all draining - to ditch located to the West of the site All wash water, effluent and rainwater on to contaminated concrete is gathered (There are no emissions to groundwater.)	Roof water from buildings 1-and clean water from uncontaminated yard areas to a common point into a ditch

Fugitive Emissions

Appropriate measures for preventing and minimising fugitive emissions are in place in accordance with the SGN EPR6.09 'How to comply with your environmental permit for intensive farming'. Buildings are maintained in good repair. Areas around buildings are kept free from build-up of slurry and spilt feed. Footbaths are managed so that they do not overflow.

Drainage from animal housing and water from cleaning out is transferred to slurry lagoon s as shown on the site drainage plan. Clean drainage systems are not contaminated.

Dust

Feed is stored in purpose built covered feed silos. These diets are delivered in via sealed system. Feed is piped from the feed bins to the adlib feeders in the sheds, minimising dust emissions.

Ventilation systems are operated to achieve optimum humidity levels for the stage of production in all weather and seasonal conditions. Up to date monitoring and control systems are installed. Fans regularly serviced and cleaned.

Rainwater runoff is collected by the guttering system and routed to drains and then to a common point on the yard where its flows to a ditch.

There is an incinerator on installation. A portable generator would be brought onto sit if required

Carcass management

Fallen stock is disposed of in accordance with the current Animal By-Products Regulations. Carcasses are disposed of via on-site APHA approved carcass incinerator.

Flies

Appropriate actions will be put into place to prevent and control flies should a nuisance arise.

Bunding and containment

Agriculture Fuel oil and other chemical storage

Fuel, oil & chemical stoarge all in accordance with SAFFO and other storage requirements

Foodstuffs

Feed is stored in purpose built covered feed silos. All feed is delivered to the farm by lorry from feed suppliers. Feed is blown directly from the lorry into the storage silos, through sealed system. Feed is piped from the feed bulk bins shown in on site plan, to ad lib feeders in the sheds minimising dust emissions.

There is no liquid feed storage.

Feed storage vessels are protected from collision damage by curbing and barriers. No milling or mixing of food on site.

Odour

The nearest properties are operator-owned and linked to the original farmstead but there are relevant neighbours (sensitive receptors) within 400m of the farm.

In accordance an Odour Management Plan has been designed and implemented which conforms with the SGN EPR6.09 'How to comply with your environmental permit for intensive farming' and the H1 Environmental Risk Assessment (Appendix 5).

This plan will be reviewed in the light of any building and management changes, and on the outcome of investigations into the causes of any future complaints, if any occur.

Any complaints will be reported to the Operator who will log and investigate causes of all complaints using the guidance from EPR 6.09 3.1 and 3.2 odour and emissions management on intensive livestock installations.

Noise and vibration

The nearest properties are operator-owned and linked to the original farmstead but there are relevant neighbours (sensitive receptors) within 400m of the farm.

In accordance a Noise Management Plan has been designed and implemented which conforms with the SGN EPR6.09 'How to comply with your environmental permit for intensive farming' and the H1 Environmental Risk Assessment (ERA)

This plan will be reviewed in the light of any building and management changes, and on the outcome of investigations into the causes of any future complaints, if any occur.

Any noise complaints will be reported to the Operator who will log and investigate causes of all complaints, identifying the source of the noise issue and monitoring noise levels at the site boundary as part of the investigation. The complaint details and subsequent investigation will be recorded on the site complaint form and a copy will be kept in the site office.