



# Appendix 5: Carrick's Farm Technical Standards

Schedule 1 activity or directly associated activity (DAA) description	Relevant technical guidance note
Section 6.9A (1) (a) (ii) Pig production	How to comply EPR 6.09 Version 2
Feed storage and preparation	<ul style="list-style-type: none"> <li>• Selection and use of feed is in accordance with SGN EPR6.09 'How to comply with your environmental permit for intensive farming'</li> <li>• Feed is stored in purpose built, covered feed bins and are located next to the pig sheds. Milling and mixing of the feed takes place off farm. Dry feed is delivered to the farm by lorry from the feed supplier for pigs and local Integrator. Feed is blown directly into the relevant feed bins.</li> <li>• Feed storage bins are protected by barriers and marked with bright taping.</li> <li>• Protein and phosphorus levels in the rations are matched to the animal's needs. A record of the percentages of nutrient levels is kept.</li> <li>• A nutritionist is employed to review and reformulate diets in order to optimise production and minimise excretion of nutrients. Synthetic amino acids are used to ensure that the protein needs are met with the use of minimum amount of protein in the diet.</li> </ul>
Slurry and manure storage	<p>PIGS</p> <p>Slurry is stored in a deep pit underneath the pigs. Slurry is removed every 12 weeks, to ensure the depth doesn't exceed 800mm. It is taken to our slurry bag (7000 m3) at Braemar Hill Farm, 8.9 miles away. We plan on applying for a specific store on some local arable land in the next 2 years.</p>

	<p>The slurry storage facilities conform to the technical measures detailed in the Control of Pollution (Silage, Slurry and Agriculture Fuel Oil) (SAFFO) Regulations 2010. The base of the storage tank and all part of the drains and reception pits are impermeable. The slurry storage tank and reception pit are designed to BS5502, Part 50. The reception pit and associated channels have the capacity to hold at least 6 months of slurry production.</p> <p>The farm is located within a Nitrate Vulnerable Zone (NVZ) The slurry storage tank capacity is 9 months production, including an allowance for rainwater. The slurry store is only agitated prior to emptying.</p>
<p>Slurry spreading and manure management</p>	<p>Slurry is spread by umbilical on the fields in the vicinity of the site. Records are kept of the arrangements in place when slurry is exported from the site. We can confirm that we spread the slurry and manure to land in accordance with the Code of Good Agricultural Practice and that the spreading will be in accordance with a manure management plan for the receiving land. There are contingency arrangements in place should the land become unavailable.</p>
<p>Fuel, oils and chemical storage</p>	<ul style="list-style-type: none"> <li>• Oils, pesticides, cleaning products, vermin control products and veterinary medicines are all stored in locked containers capable of retaining spillage</li> </ul>
<p>Housing</p>	<p>PIGS</p> <ul style="list-style-type: none"> <li>• Housing design and management is in accordance with SGN EPR6.09 ‘How to comply with your environmental permit for intensive farming’</li> <li>• Slatted housing system throughout</li> <li>• All buildings and structures on site are maintained in good repair – in accordance with the management system. There is a programme of inspection and planned preventative maintenance for the housing and drainage. Floors and walls are kept clean. Any cracks or damaged walls are repaired as soon as possible.</li> </ul>

- The slat systems remain clean, and are washed out using disinfectant with every new batch of pigs. Slurry and urine transfer quickly to the pits underneath.
- Drinkers and troughs have been designed to prevent leakage to minimise the amount of dirty water going into the slurry store
- Service checks are carried out on the ventilation system monthly in accordance with the manufacturer's instructions.

Drainage	<ul style="list-style-type: none"> <li>• There are no direct or indirect releases to ground water</li> <li>• Refer to the drainage plan. A copy of the drainage plan is also kept with the accident management plan.</li> <li>• The clean water drainage systems are not contaminated.</li> <li>• Yard areas are kept visibly clean, drainage channels are kept clear and split feed and dust are cleaned up wherever possible.</li> <li>• Drainage from the animal housing and water from cleaning out is treated as slurry and directed to the slurry store.</li> <li>• Disinfectant footbaths are designed not to overflow. Used disinfectant is added to the slurry store or removed litter.</li> <li>• Roof drainage water is directed into soakaways.</li> </ul>
Livestock numbers and movements	<ul style="list-style-type: none"> <li>• A system is in place to record to number of animals on the farm at any one time. Animal movements on and off the farm are also recorded and licences are gained for each movement.</li> </ul>
Carcase disposal	<ul style="list-style-type: none"> <li>• Fallen stock is disposed of in accordance with the current animal by products regulations.</li> <li>• Pig carcasses are stored in sealed bins which are collected by an animal waste disposal company – A Hughes and son.</li> <li>• We are hoping to purchase an incinerator to mean deadstock will be disposed of daily</li> </ul>
Pollution prevention measures	<ul style="list-style-type: none"> <li>• All operations are assessed annually for opportunities to reduce pollution risk and implementation schedules developed as appropriate.</li> <li>• All staff strive to identify pollution risk and minimise it accordingly.</li> <li>• There is an accident management plan in place with a procedure to review incidents.</li> <li>• Staff have been trained internally with regards to environmental issues.</li> </ul>
Veterinary medicines and pest control	<ul style="list-style-type: none"> <li>• Pesticides and veterinary medicines are kept in a store capable of retaining spillage. Fire extinguishers are kept in close proximity to store, and flammable goods are kept away from store.</li> <li>• They are kept dry, frost free and secure.</li> <li>• Vermin control is recorded and carried out periodically by a trained vermin controller.</li> </ul>

	<ul style="list-style-type: none"><li>• The chemicals are brought on site by the registered contractor for use when needed, and purchased through a registered supplier when appropriate.</li><li>• Chemicals to control flies and other insect pest are stored with agro-chemicals in store.</li></ul>
Hazardous waste	<ul style="list-style-type: none"><li>• Veterinary waste is removed by the vet for safe disposal.</li><li>• Other hazardous waste is removed by a skip contractor who deals with it accordingly.</li></ul>

## Building Plan

<b>Building name and ref on plan</b>	<b>No of places</b>	<b>Type of ventilation</b>	<b>Floor Type</b>	<b>Slurry/manure management</b>	<b>Feed</b>	<b>other</b>
Building 1	1000 places up to 125kg (split in to two rooms)	Computer controlled ventilation and heating. Cross flow ventilation, side inlet and exhaust fans mounted	Fully slatted	Shallow slurry pit and sluiced slurry tank. 2 rooms- 735m <sup>3</sup> capacity per room. Slurry is removed every 12 weeks.	Dry feed	Fully insulated building
Building 2	1000 places up to 125kg (split in to two rooms)	Computer controlled ventilation and heating. Cross flow ventilation, side inlet and exhaust fans mounted	Fully slatted	Shallow slurry pit and sluiced slurry tank. 2 rooms- 735m <sup>3</sup> capacity per room. Slurry is removed every 12 weeks.	Dry feed	Fully insulated building
Building 3 (proposed)	1000 places up to 125kg (split in to two rooms)	Computer controlled ventilation and heating. Cross flow ventilation, side inlet and exhaust fans mounted	Fully slatted	Shallow slurry pit and sluiced slurry tank. 2 rooms- 735m <sup>3</sup> capacity per room. Slurry is removed every 12 weeks.	Dry feed	Fully insulated building
Building 4 (proposed)	1000 places up to 125kg (split in to two rooms)	Computer controlled ventilation and heating. Cross flow ventilation,	Fully slatted	Shallow slurry pit and sluiced slurry tank. 2 rooms- 735m <sup>3</sup> capacity per room.	Dry feed	Fully insulated building

		side inlet and exhaust fans mounted		Slurry is removed every 12 weeks.		
Building 5	1000 places up to 125kg (split in to two rooms)	Computer controlled ventilation and heating. Cross flow ventilation, side inlet and exhaust fans mounted	Fully slatted	Shallow slurry pit and sluiced slurry tank. 2 rooms- 735m <sup>3</sup> capacity per room. Slurry is removed every 12 weeks.	Dry feed	Fully insulated building
Building 6	1000 places up to 125kg (split in to two rooms)	Computer controlled ventilation and heating. Cross flow ventilation, side inlet and exhaust fans mounted	Fully slatted	Shallow slurry pit and sluiced slurry tank. 2 rooms- 735m <sup>3</sup> capacity per room. Slurry is removed every 12 weeks.	Dry feed	Fully insulated building
Office	Used for showering, office work and some storage					
Incinerator	To dispose of dead stock					
Power room	Electrical installations					
Pump room	Has the borehole					
Generator	Used as back up for electricity					
Feed bins	Stores all feed					





1.Site operations (storage and use)	2. Substance	3. Relevant activity	4. Possible failure mechanism and potential for pollution	5. History/records or visual evidence of leaks of potentially polluting substances to land associated with the activities that could result in ongoing emissions to land, eg cracking in hard standing, leaking tank or bund Detail any incidents of pollution or spills from the relevant activity. This can be based on visual assessment during site walk over or other records and data sources.	6. Do pollution prevention measure exist for relevant activity?  Yes/No	7. Provide details of pollution prevention measures  To include: primary, eg tanks or pipework; secondary, eg bund or hard standing and, where present, tertiary, eg oil interceptor.	8. Testing and inspection of pollution prevention measures  Note: If you are not able to supply all of this information at present you may submit the details with your Accident Management Plan.
Vehicle and machine fuel Incinerator fuel	Fuel oil	Main storage	Failure of tank leading to spillage to land	None identified	Yes	Concrete base and bund containing tank and fill point Double valves locked when not in use Sight gauge enclosed by guard Complies with SSAFO Regulations	Tank, fittings and bund visually inspected monthly and following any notified spill
		Delivery by road tanker to installation and road tanker off-loading	Spillage from road tanker on installation yards entering clean drainage and hence soakaways Spillage from road tanker or delivery pipework to yard	None Evidence of minor spills on concrete. Concrete in good condition Area drains to slurry store	Yes	Delivery by supplier's vehicle Oil tank located at edge of site to avoid unnecessary traffic past the pig buildings Tank and fixed pipework within bunded area Concrete hard standing Materials available to soak up minor spills Area drains to slurry store reception pit so containment provided	Concrete hard standing area visually inspected monthly Bunded area and tank visually inspected before each delivery
Incinerator fuel	Fuel oil	Fuel supply to incinerator	Failure of underground pipeline between the oil storage tank and incinerator leading to loss of fuel to land	None	Yes	Underground steel pipeline in plastic ducting	Burn time and fuel use logged and correlated Fuel line checked as part of annual service schedule



Appendix 5a: Carrick's Farm Site Operations and Pollution Prevention Measures

1. Site operations (storage and use)	2. Substance	3. Relevant activity	4. Possible failure mechanism and potential for pollution	5. History/records or visual evidence of leaks of potentially polluting substances to land associated with the activities that could result in ongoing emissions to land, eg cracking in hard standing, leaking tank or bund Detail any incidents of pollution or spills from the relevant activity. This can be based on visual assessment during site walk over or other records and data sources.	6. Do pollution prevention measure exist for relevant activity?  Yes/No	7. Provide details of pollution prevention measures  To include: primary, eg tanks or pipework; secondary, eg bund or hard standing and, where present, tertiary, eg oil interceptor.	8. Testing and inspection of pollution prevention measures  Note: If you are not able to supply all of this information at present you may submit the details with your Accident Management Plan.
Feed	Nutrients: Phosphorus and nitrogen	Delivery to storage areas: dry bulk	Spillage, split or failed pipework, dust, failure of bins	None	Yes	Purpose-made dedicated stores	Pipework and bins regularly inspected to assess condition
	Dust	Delivery to storage areas: dry bagged	Spillage, split bags	None	Yes	Purpose-made dedicated stores	Regular inspection of facilities and equipment
		Distribution: all	Broken augers	None	Yes	Auger runs kept to minimum, mostly within buildings	Regular inspection of facilities and equipment
Slurry (including dirty water)	(Nutrients) ammonia, nitrate, phosphate	Storage within buildings, transfer to reception pit, store in main slurry store	Structural failure Overflow to clean water stream/ground water, land and property	None Below ground structures not checked for integrity but no indications from use and surrounding areas of leakage Above ground pollution prevention measures in good condition	Yes	Dedicated purpose built facilities, including impermeable yards and aprons, falls and gradients arranged to direct flow to appropriate storage facilities and minimise contamination Regular monitoring of tank and store contents	Regular inspection of facilities and equipment



## Appendix 5a: Carrick's Farm Site Operations and Pollution Prevention Measures



Appendix 5a: Carrick's Farm Site Operations and Pollution Prevention Measures

1.Site operations (storage and use)	2. Substance	3. Relevant activity	4. Possible failure mechanism and potential for pollution	5. History/records or visual evidence of leaks of potentially polluting substances to land associated with the activities that could result in ongoing emissions to land, eg cracking in hard standing, leaking tank or bund	6. Do pollution prevention measure exist for relevant activity?  Yes/No	7. Provide details of pollution prevention measures  To include: primary, eg tanks or pipework; secondary, eg bund or hard standing and, where present, tertiary, eg oil interceptor.	8. Testing and inspection of pollution prevention measures  Note: If you are not able to supply all of this information at present you may submit the details with your Accident Management Plan.
Pesticides and biocides	Round up Kilco Virkon S Schippers Products Virkon	Delivery and transfer from vehicle to on site storage Storage of pesticides Mixing of pesticides Application Foot dip and wheel wash Transfer Disposal of waste packaging	Spillage, leaks, overflowing, contamination of clean drains	None	Yes	Transfer from delivery vehicles to store Damaged or suspect packaging rejected at time of delivery Dedicated container store Records kept Trained staff / Contractor Codes of practice followed Food dips on good concrete, close to dirty water/slurry system	Deliveries monitored Regular inspection of facilities and equipment Full application records Inspection of storage area Records kept



Appendix 5a: Carrick's Farm Site Operations and Pollution Prevention Measures

1.Site operations (storage and use)	2. Substance	3. Relevant activity	4. Possible failure mechanism and potential for pollution	5. History/records or visual evidence of leaks of potentially polluting substances to land associated with the activities that could result in ongoing emissions to land, eg cracking in hard standing, leaking tank or bund	6. Do pollution prevention measure exist for relevant activity?	7. Provide details of pollution prevention measures  To include: primary, eg tanks or pipework; secondary, eg bund or hard standing and, where present, tertiary, eg oil interceptor.	8. Testing and inspection of pollution prevention measures  Note: If you are not able to supply all of this information at present you may submit the details with your Accident Management Plan.
Incineration of non-SRM material: Ash	Trace elements – heavy metals, calcium, phosphate  Dust	Transfer from incinerator	Spillage Wind blow	None	Yes	Incinerator sited on impermeable concrete standing	Container regularly checked Records kept
Dirty water/wash waters	Nutrients – ammonia, nitrate, phosphate	Dirty water transfer from buildings to underground tanks during washing	Leaks to ground and land	None.	Yes	See slurry	



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Appendix 5a: Carrick's Farm Site Operations and Pollution Prevention Measures

Lightly contaminated surface waters	Nutrients – ammonia, nitrates, phosphates, dusts and organic particles	Surface water drainage	Contamination of land, surface and ground waters	None	Yes	Impermeable yards	Hard standing inspected monthly, below ground drainage surveyed within two years
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## Appendix 5b: Carrick's Farm Pest Management Plan

### Pest Management Plan

On site and Pest Management Plan (PMP) assessment:

Source	Method	On-site check	PMP check	Comment
Fly monitoring	Follow routing monitoring for flies	Yes		Adhesive paper fly catches
	Fly species identified	Unknown		
	Trigger levels followed for the relevant monitoring method/s to initiate insecticidal control	Yes		<b>Fly spray Maggot killer used on clean out</b>
	Buildings are watertight with no water ingress from outside	yes		
Infrastructure	Buildings are in good condition and kept well maintained	<b>Yes</b>		
	Windows and doors are fitted with fly-screens if appropriate but do not impede ventilation	-		
Carcasses	Fallen stock are removed and/or incinerated frequently	<b>Yes</b>		<b>We are waiting for approval to add an incinerator</b>
Housekeeping	Spillages are cleaned up as soon as possible	<b>Yes</b>		
	Rubbish bins are emptied regularly	<b>Yes</b>		
Biological control options	Use of fly parasites/predators to control flies	<b>Yes</b>		
Insecticide control options	Insecticide labels are complied with and records kept of all treatments			
	Fly baits used	<b>Yes</b>		
	Space treatments used			



Appendix 5b: Carrick's Farm Pest Management Plan

Residual insecticides used			
Larvicides used	<b>Yes</b>		
Larvicide applications are targeted to known infested areas	<b>Yes</b>		
Insecticide products are rotated to reduce risk of insecticide resistance	<b>Yes</b>		





Appendix **5c: Carrick's**  
**FARM INCINERATOR**  
**USE AND BURN TIME**  
**LOG**

Date	Incinerator	No. Pigs	Burn time	Remarks