Non-Technical Summary

The current site is a gilt rearing unit, situated almost 2km from the village of Scampston and is located down a private track from the Malton road. The current unit numbers means it does not need to be permitted. The new proposed finisher unit is planned to be built to the South West of the current gilt building (please see the site plans attached to see the location). Both the current and new proposed pig buildings are (and once built will be) rented by JSR Farming Group, we manage and own the pigs within the buildings.

The existing gilt building will continue with its current purpose of rearing gilts for commercial breeding units. The gilts are delivered from a gilt multiplier at around 40kg to be reared on site until 90-100kg to then be delivered to our commercial breeding sites as replacement gilts. The new finisher unit will be built to BAT standard, there is planning for two finisher buildings in the long term as growouts for production pigs (from 30kg to 120kg), initially there is planning just for one finisher unit to be built. The pigs will arrive from a nursery to the new finisher growout building and they will remain here for up to 15 weeks until they leave for slaughter.

The new unit is located within a Nitrate Vulnerable Zone, it will meet all the legal requirements for this.

In relation to the NVZ and slurry application management, all manure produced is managed and utilised by a third party (this is already in place) and the slurry produced by the new finisher unit will be utilised and managed by Scampston Farming Co Ltd. and the required information for slurry application will be provided by Scampston Farming Co Ltd.

**Slurry System**

The new finisher unit(s) will be fully slatted unit with no straw-based bedding houses. There will be no manure production at the finisher unit and both finisher houses are fully slatted with temporary slurry storage beneath and a vacuum system for frequent slurry removal. Slurry removal from the sites underground storage, will take place frequently to either be directly spread to Scampston land or exported offsite to a slurry storage facility managed by JSR as the operators.

Dirty water will be directed to the underslat storage to be removed with the slurry.

Slurry will be pumped from extraction points as indicated on the drainage plan from where it will be pumped into tankers for spreading or for transportation to off-site storage. Appropriate Codes of Good Practice and NVZ Regulations will be adhered to.

Uncontaminated roof water is collected via gutters and down pipes and is discharged to the soakaways around the site boundaries to end up the River Derwent.

The current gilt site is fully straw based, the straw is provided by the JSR arable business, the manure is removed on a frequent basis by 3rd party to be utilised separate from the unit.

Dirty water from the gilt site is drained into the dirty water tank which is also collected by the 3rd party business when they remove the manure.

Uncontaminated water is drained separately into soakaways to end up in the River Derwent.

Mortalities are kept in sealed lockable bins prior to collection by a registered waste disposal contractor and records are kept of mortality numbers.

**Ventilation and Heating**

The new finisher unit will be controlled by SKOV fan ventilation, with roof ventilation only, vents greater than 5.5 metres high, fan efflux velocity greater than 7 m/s. The existing gilt building is maintained through natural ventilation.

The installation is located down a private road from the Malton road and is 2km away from Scampston village, there is existing hedges around the existing gilt building and will be additional hedges planted around the new finisher unit. With areas of woodlands within the nearby area to act as extra coverage (see site plans for location). The receptors within 400m are two neighbouring farms, there have been no previous complaints and there are no receptors within 100m. There are no known previous issues relating to odour, dust, noise or flies in the area in relation to where the installation will be. There have been no environmental complaints or pollution incident within the area for the new installation, and there are no hazardous dumps/stockpiles that are known.

Other sensitive receptors are over 400m away from the new unit site. The nearest SSSI location is the Wintringham Marsh located to the 3.39km South of the unit and the River Derwent SSSI and SAC located 4.05km South West of the unit site.

The risk assessments and management plans in place will identify ways in which to mitigate the risks of pollution and nuisance to these sites.

Location of storage facilities will be confirmed once the finisher unit is built and will be updated onto the site plan within the permit.

**Pre-application**

Our pre-application (form attached) has been confirmed with there being no requirement for further modelling, under our reference number EPR/GP3101LS/A001. The ammonia screening carried out was based on the new unit for 4900 30kg and above pigs of which 4200 on fully slatted floors, and the existing 700 gilts, and an additional 100 from 15-30kg both on solid floor straw based.

**Climate Levy Agreement** - NFU1/T00125 reference number with the start date was January 2013, the end of this calendar year will be the end of target period number 4 within the agreement.

**Raw Materials**

Raw Material usage and volumes will be updated once the unit has been built and materials are required on site.

**Feed and Water**

Feed is and will be delivered by bulker to the feed bins, the feed rations are stored within the feed bins as meal or pellets, directed through the feed lines and delivered to the valves on an automated system.

Low energy lighting will be installed within the new finisher buildings. The new finisher unit feed rations are supplied by our mill and mix business. The existing gilt building feed rations are either bought from compound suppliers or made by our mill and mix business. All diets formulated to match the growth stage of the pigs (Management Systems Appendix Document). There will be no milling operations at the installation, feed will arrive in meal or pellet format. Nipple drinkers and bowls are used, and water consumption is monitored.

All measures are intended to reduce the production and emission of ammonia, minimise odours and dust and to prevent liquids escaping to the environment. Therefore, aiming to reduce the environmental impact of the new unit activities.

There are hedgerow areas around the existing gilt shed and new finisher buildings, as well as the numerous woodlands around the area will help minimise dispersion of dust and improve ventilation control. Odour is reduced by site maintenance and keeping the pens as clean as possible with regular washing, and ammonia production is reduced by optimising the protein levels in the diet and minimising losses from slurry.

Water for the site will be supplied by bore hole with a mains supply available as backup, all water is supplied via nipple drinkers and bowls.

**Feed Rations**

There are three main rations that will be on site for the finishing unit and two main rations for the gilt unit, the rations are reviewed by our nutrition company to use the most efficient and optimised feeds for performance and emissions. (See within the BAT-AEL Conclusions for how the CP within feed rations has improved over time).

**BAT-AEL Conclusions**

BATs Specific Answers Required:

**BAT Conclusions 3 and 4**

We adopt a nutritional strategy to reduce the levels of nitrogen and phosphorus excretion and can demonstrate we are meeting the BAT associated excretion levels. From our other units feed dockets look at our feed ration history shows how we have reduced these levels over time as a business overall and then specifically within the pig’s diet through their whole life cycle.

To continuously meet these regulations which are:

* Using multiphase feeding allowing us to feed a diet which is more efficient for different stages within the pig’s lifecycle.
* Using authorised feed additives such as phytase to reduce the amount of phosphorus excreted.
* Reduce CP content by using a N-balanced diet based on the energy needs and digestible amino acids.
* Adding controlled amounts of essential amino acids to a low crude protein diet.

**BAT 24**

Scampston Farming Co. will use manure analysis to estimate total N and P content in slurry and will report this to you annually.

Manure and slurry are exported, analysis to estimate total N and P content in both can be provided in results from the external parties dealing with the manure and slurry, separate to that of the JSR business.

**BAT 25**

To monitor ammonia emissions to air of the technique of:

c) Estimation by using emission factors calculated with the annual stocking numbers at each stage of pig on the farm, which will be calculated each year.

**BAT 27**

To monitor dust emissions from each animal house:

b) Estimation by using the emissions factors calculated for the annual number of pigs at each stage within the unit once every year.

**BAT Conclusion 30**

**Techniques used:**

**30.a.1**

All slurry and dirty water are collected under-slat storage pits for the finisher unit(s) and is removed on a frequent basis either to be utilised by Scampston Farming Co Ltd on their arable land or to be exported to JSR slurry stores.

**30.a.8**

For the gilt growout this is straw based allthe straw and manure is removed on a regular basis and stored on a manure heap with an impermeable base. This is exported regularly by a 3rd party farmer. Within the straw buildings, removal of manure is weekly and exported off site to reduce manure on site at any one time. By regularly removing the straw bedding this will allow us to maintain optimal conditions for a clean dry bed.

**Finisher Unit :**

Easting = 486505

Northing = 476941

Grid Ref = SE86507694

National Grid Field No = SE 8676 5094

Latitude = 54°10'50.81"N

Longitude = 0°40'27.82"W

Latitude = 54°10.8468'"N

Longitude = 0°40.4637'"W

Latitude = 54.180779

Longitude = -0.674395

Postcode = YO17 6RW

**Gilt Growout:**

Easting = 486697
Northing = 477132

Grid Ref = SE86697713
National Grid Field No = SE 8677 6913

Latitude = 54°10'56.85"N
Longitude = 0°40'17.04"W

Latitude = 54°10.9475'"N
Longitude = 0°40.2841'"W

Latitude = 54.182459
Longitude = -0.671401

Postcode = YO17 6RN