

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Elsham Linc Limited
North Moor Pig Farm
North Moor Farm
Caistor Road
Middle Rasen
Market Rasen
Lincolnshire
LN8 3JF

Variation application number

EPR/NP3636FS/V004

Permit number

EPR/NP3636FS

North Moor Pig Farm

Permit number EPR/NP3636FS

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

This variation authorises the following changes:

- A change to the permitted number and types of pigs from a total of 7,258 (comprising of 2,350 production pigs > 30kg, 958 sows (including farrowing sows) and 3,950 pigs up to 30kg) to a total of 11,496 (comprising of 5,410 production pigs > 30kg (including boars and unserved gilts), 918 sows (including served gilts and farrowing sows) and 168 pigs up to 30kg, plus 5000 pigs in the range 7 – 45kg, of which a maximum of 2,500 may be > 30kg at any one time, and all will be up to 30kg at times therefore permit table S1.1 has a limit of 7,910 pigs > 30kg and 5,168 pigs up to 30kg to take account of this, but has a specified maximum of 10,578 combined).
- There are 7 new pig buildings introduced with this variation.
- Demolition of the Flat Decks building to the north and the Barn at the centre of the farm.
- Alteration of the name of the building known as Dry Sow House 1 to Gilt and Service House (house 1), and including a change of livestock to 188 sows, 350 gilts that have not yet been served (classed as production pigs > 30kg for environmental permitting purposes) and 7 boars.
- Alteration of the name of the building formerly known as Dry Sow House 2 to Dry Sow House 1 (house 2) and housing 187 sows and 1 boar.
- Alteration of the building known as Gilt Yard to Dry Sow House 2 (house 3) and housing 375 sows and 2 boars.
- Addition of the vasectomised boars to the environmental permit (totalling 10, accounted for above in houses 1 – 3). These had previously been omitted from the stock numbers at the farm.
(Farrowing House (house 4) remains unchanged and houses 168 farrowers).
- Addition of 168 orphaned pigs weighing 7 – 20kg to the environmental permit in the Orphanage (house 5). These had previously been omitted from the stock numbers at the farm.
- Conversion of the former Grower building from a building that houses pigs weighing from 20 to 45kg to become a building which houses 1,730 pigs weighing from 7 to 45 kg, and name changed to Nursery 1 (house 6).
- Demolition of the Old Farrowing House, and construction of a new building on the approximate site of the Old Farrowing House at the east of the farm to be known as Nursery 2 (house 7), housing 770 pigs weighing from 7 to 45kg.
- Construction of a new pig building at the centre of the farm to house 2,500 pigs from 7 – 45kg to be known as Nursery 3 (house 8)

- Construction of four new finishing buildings at the northern end of the farm to be known as Finishing House 1, Finishing House 2, Finishing House 3 and Finishing House 4 (houses 9 – 12). These buildings will house 4,800 pigs weighing 45 - 110kg.
- Construction of Lairage at the north eastern end of the farm to house 250 pigs weighing 45 - 110kg (house 13)
- Addition of two above ground glass coated stainless steel slurry stores with rigid covers to the north west of the farm.
- Extension of the installation boundary to the north to accommodate houses 9 – 13 and the 2 new slurry stores.
- Alterations to the locations and drainage of the loading ramp, muck pads, slurry acidification system and slurry system to reflect practices that will be in place on the farm with this variation.

A pre-operational condition (PO3) has been included to only allow the increase in pig numbers linked to this variation when the slurry acidification system has been installed and is fully operational.

A revised description of the installation and its operation is given below:

North Moor Pig Farm is situated approximately 1.6 kilometres north west of Market Rasen, Lincolnshire. The installation is approximately centred on National Grid Reference TF 09563 91338.

The installation is operated by Elsham Linc Limited and comprises 13 pig breeding and rearing units. The farm rears the progeny of sows to approximately 110kg.

Houses 1 – 3 (named Gilt and Service House, Dry Sow House 1 and Dry Sow House 2) have concrete floors, with a full straw litter system and are naturally ventilated through the side and gable end walls (Yorkshire boarding), and house a total of 750 sows, 350 unserved gilts (classed as production pigs > 30kg) and 10 boars.

House 4 (Farrowing House) has a fully slatted floor with the depth of the slurry < 800mm and frequent slurry removal every 10 weeks or sooner. It is ventilated with high velocity roof fans at a height $\geq 5.5\text{m}$, efflux velocity $\geq 10\text{m/s}$, and houses 168 farrowers.

House 5 (Orphanage) has a concrete floor, with a full straw litter system, is naturally ventilated through the side and gable end walls (Yorkshire boarding), and houses 168 pigs weighing 7 – 20kg.

House 6 (Nursery 1) has fully slatted floors with the depth of the slurry < 800mm and frequent slurry removal every 10 weeks or sooner. It is ventilated with side extraction fans, and houses a total of 1,730 pigs weighing 7 – 45kg (classed as production pigs > 30kg).

Houses 7 and 8 (Nursery 2 and Nursery 3) have fully slatted floors with the depth of the slurry < 800mm and frequent slurry removal every 10 weeks or sooner. They are ventilated with high velocity roof fans at a height $\geq 5.5\text{m}$, efflux velocity $\geq 10\text{m/s}$, and house a total of 3,270 pigs weighing 7 – 45kg (classed as production pigs > 30kg).

Houses 9 – 13 (Finishing Houses 1 – 4 and Lairage) have fully slatted floors with the depth of the slurry < 800mm and frequent slurry removal every 10 weeks or sooner. They are ventilated with high velocity roof fans at a height $\geq 5.5\text{m}$, efflux velocity $\geq 10\text{m/s}$, and house a total of 5,050 pigs weighing 45 – 110kg (classed as production pigs > 30kg).

The pig houses with concrete floors and straw litter system (houses 1 – 3 and 5) are cleaned out using a tractor with a loading shovel and the pigs are bedded with fresh straw at least three times per week, and the houses are washed down annually. The manure is stored on a muck pad, with drainage to the slurry system.

The slurry from houses 4 and 6 – 13, which have fully slatted floors, will be acidified. The slats facilitate maximum transfer of dung and urine to the pits. The slurry in the slurry channels are emptied daily into a reception pit from where it is pumped via a slurry separator which separates the solid fraction of the slurry onto a concrete base and the liquid fraction of the slurry to a mixing tank. Approximately 20% of this slurry is transferred to the three slurry stores. The remaining slurry is dosed with sulphuric acid to reduce the pH of

the slurry to pH 5.5. This slurry is then pumped back into the slurry channels beneath the housing. Separated slurry and farm yard manure is stored on a concrete base which is bunded to prevent run off from the concrete base, with any run off draining into the slurry system.

Slurry and manure is exported from the installation for spreading on land owned by third parties.

Water from the wash out of the pig houses drains to the slurry stores. All rainwater falling on the roofs of the houses is either collected in rainwater harvesting tanks for use in washing down the buildings, drains into soakaways or discharged via soakaways into a drainage ditch to the west of the installation boundary, which ultimately drains to The Dale river. Uncontaminated yard water drains to soakaways with some then draining to the ditch.

Food is delivered to the site by lorry and blown directly into bulk storage bins. The sows, gilts and farrowers are fed liquid feed which is mixed in a tank in the mixing house. The remaining pigs are fed in solid form in troughs via a feed line system. Mortalities are collected daily and stored in a secure container prior to being transported off site by a licensed operator. At the end of the batch, the houses are depopulated, washed and disinfected ready for the next batch.

There are two Sites of Special Scientific Interest (SSSI) within 5km of the installation and 4 Local Wildlife Sites (LWS) within 2km of the installation. An assessment of the impact of emissions has been carried out and the installation is considered to have no adverse effect on the nature conservation sites.

The site is subject to a Climate Change Levy Agreement.

This permit implements the requirements of the European Union Directive on Industrial Emissions.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application received EPR/NP3636FS/A001	Duly made 03/01/13	Application for an intensive farming pig installation permit.
Additional information received	29/01/13	Confirmation of pig numbers, feed storage and slurry storage.
Additional information received	30/01/13	Confirmation of site closure plan.
Additional information received	27/02/13	Confirmation of site boundary.
Additional information received	28/02/13	Confirmation of technical standards.
Additional information received	25/03/13	Confirmation of feed bins, permit boundary, ventilation and pig numbers.
Permit determined EPR/NP3636FS	28/03/13	Permit issued to Elsham Linc Limited.
Application EPR/NP3636FS/V002 (administrative variation)	Duly made 22/01/15	Application to add emission points for non-weaned piglet orphanage.
Variation determined EPR/NP3636FS	04/02/15	Varied permit issued.
Application EPR/NP3636FS/V003 (variation and consolidation)	Duly made 18/01/18	Application to vary the permit to include a slurry acidification system and associated plant.
Additional information received	16/02/18	Clarification of acidification of slurry optimisation, submitted for application EPR/JP3437CW/V003, but applicable to this application.
Additional information requested 08/03/2018	15/03/18	Responses to Request for Further Information including clarification of measures to control odour from the

Status log of the permit		
Description	Date	Comments
		acidification of slurry system, ventilation, site drainage, fuel and chemical storage, and including receipt of revised document 22 pig number spreadsheet, revised H1 Environmental Risk Assessment, revised site plan, revised Site drainage plan, revised OMP, revised NMP and revised Dust and Bioaerosol Management Plan.
Additional information received	16/03/18	Clarification of the emergency shower drainage and location, and pig housing slurry systems submitted for application EPR/JP3437CW/V003 (Sommerby Top Pig Farm), but applicable to this application.
Additional information received	10/04/18	Responses to Request for Further Information including clarification on ventilation and housing systems, and including revised Document 6 Site Plan and revised Document 7 Site Drainage Plan.
Additional information requested 20/04/18	20/04/18	Response to Request for Further Information clarifying boreholes within the installation boundary.
Variation determined EPR/NP3636FS/V003	01/05/18	The variation was granted and a decision made to make a regulator initiated variation at the same time; varied and consolidated permit issued in modern condition format.
Application EPR/NP3636FS/V004 (variation and consolidation)	Duly made 04/03/19	Application to vary the permit to demolish and replace some of the pig houses and a barn with new pig houses, add new pig houses and slurry storage, extend the installation boundary, amend the site drainage and infrastructure, and change and increase livestock numbers.
Additional information requested 09/05/19	16/05/19	Response to Request for Further Information clarifying site drainage, permitted livestock numbers, information in the H1 risk assessment, odour management plan, noise management plan, dust and bioaerosol management plan and technical standards, and receipt of revised site drainage plan, odour management plan, noise management plan, and dust and bioaerosol management plan.
Additional information requested 30/05/19	03/06/19	Receipt of revised technical standards.
Variation determined EPR/NP3636FS (Billing reference: JP3939QY)	11/07/19	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

Permit number

EPR/NP3636FS

Issued to

Elsham Linc Limited (“the operator”)

whose registered office is

**Cadas House
Wootton Road
Elsham Top
Brigg
Lincolnshire
DN20 0NU**

company registration number **05525289**

to operate an installation at

**North Moor Pig Farm
North Moor Farm
Caistor Road
Middle Rasen
Market Rasen
Lincolnshire
LN8 3JF**

to the extent set out in the schedules.

The notice shall take effect from 11/07/2019

Name	Date
Philip Lamb	11/07/2019

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions, tables and schedules were varied as a result of the application made by the operator:

Amendment of condition 3.1.1 (error corrected from previous permit reference EPR/NP3636FS/V003)

Amendment of tables S1.1, S1.2, S1.4, S3.1, S3.2, S3.3 and Schedule 7 site plans

Removal of pre-operational condition PO2 in table S1.4

Addition of pre-operational condition PO3 in table S1.4

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/NP3636FS

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/NP3636FS/V004 authorising,

Elsham Linc Limited (“the operator”),

whose registered office is

**Cadas House
Wootton Road
Elsham Top
Brigg
Lincolnshire
DN20 0NU**

company registration number **05525289**

to operate an installation at

**North Moor Pig Farm
North Moor Farm
Caistor Road
Middle Rasen
Market Rasen
Lincolnshire
LN8 3JF**

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Philip Lamb	11/07/2019

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, so far as is reasonably practicable, including those risks arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of the permit.

1.2 Energy efficiency

- 1.2.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities; and
 - (b) maintain records of fuel and energy consumption used in the activities;

1.3 Efficient use of raw materials

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities; and
 - (b) maintain records of raw materials and water used in the activities;

1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities and that;
- (a) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (b) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

2 Operations

2.1 Permitted activities

- 2.1.1 The only activities authorised by the permit are the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 The operator shall maintain and implement a system to record the number of animal places and animal movements.
- 2.3.4 The operator shall ensure that a diet formulation and nutritional strategy is used to reduce the total nitrogen and total phosphorous excreted.
- 2.3.5 The operator shall take appropriate measures in disposal or recovery of solid manure or slurry to prevent, or where this is not practicable, to minimise pollution.
- 2.3.6 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.7 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

2.5 Pre-operational conditions

- 2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points specified in tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits; and
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2; and
 - (b) process monitoring specified in table S3.3.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests; and
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by schedules 3, 4 and 5 to this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plans and management system required to be maintained by this permit.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 For the following activities referenced in schedule 1, table S1.1 a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately :—
 - (i) inform the Environment Agency,

- (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents; and
- (b) of a breach of any permit condition the operator must immediately :—
- (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (c) any change in the operator's name or address; and
 - (d) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (e) the death of any of the named operators (where the operator consists of more than one named individual);
 - (f) any change in the operator's name(s) or address(es); and
 - (g) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;

- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “immediately”, in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 Activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.9 A(1)(a)(ii) Rearing of pigs intensively in an installation with more than 2,000 places for production pigs (over 30 kg)	Rearing of pigs intensively in an installation with a capacity for 7,910 production pigs (over 30 kg) places, including 10 boars. The maximum number of production pigs plus pigs less than 30kg that can be held on the farm at any one time is 10,578.	Keeping of production pigs and not served gilts (over 30 kg), including from receipt of raw materials and fuels on to the site to pigs and associated wastes being removed from site.
Section 6.9 A(1)(a)(iii) Rearing of pigs intensively in an installation with more than 750 places for sows	Rearing of pigs intensively in an installation with a capacity for 918 sow places.	Keeping of sows and served gilts for production of piglets, from receipt of raw materials and fuels on to the site to removal of sows and associated wastes from site.
Directly Associated Activity	Description of specified activity	Limits of specified activity
Rearing of pigs (up to 30 kg)	Rearing of 5,168 pigs to 30 kg. The maximum number of production pigs plus pigs less than 30kg that can be held on the farm at any one time is 10,578.	From weaning of pigs and receipt of raw materials and fuels on to the site up to pigs reaching 30 kg and removal of pigs and associated wastes from site.
Slurry Acidification System	Slurry Acidification at pH of 5.5	From receipt of raw materials to recycling of acidified slurry including all relevant storage and pipework systems plus removal of associated wastes from site.

Table S1.2 Operating techniques⁽¹⁾		
Description	Parts	Date Received
Application EPR/NP3636FS/A001	Responses to Parts B3 section 3 of the application form and referenced supporting documentation of the application form and referenced supporting documentation.	03/01/13
Application EPR/NP3636FS/A001	Odour management plan reference Odour Management Plan for North Moor Pig Farm and Noise management plan reference Noise Management Plan for North Moor Pig Farm in response to Part B3 section 3b, Table 3b – General Requirements of the application form.	03/01/13
Request for Information dated 25/01/13	Response to Request for Information confirming pig numbers, feed storage and slurry storage.	29/01/13
Request for Information dated 25/01/13	Response to Request for Information confirming site closure plan.	31/01/13
Request for Information dated 26/02/2013	Response to Request for Information confirming site boundary.	27/02/13
Request for Information dated 28/02/2013	Technical Standards reference Document 11 Technical Standards in response to Part B3 section 3a – Technical Standards on the application form.	28/02/13
Additional information received	Information confirming feed bins, permit boundary, ventilation and pig numbers.	25/03/13
Application EPR/NP3636FS/V002 (administrative variation)	Application form and supporting documents.	22/01/15
Variation application EPR/NP3636FS/V003	Responses to Parts C3.5 of the application form and referenced supporting documentation.	18/01/18
Additional information requested 16/02/2018	Clarification of acidification of slurry optimisation, submitted in response to a Request for Further Information for application EPR/JP3437CW/V003 (Sommerby Top Pig Farm), but applicable to this application.	16/02/18
Additional information requested 08/03/18	Responses to Request for Further Information including clarification of measures to control odour from the acidification of slurry system, ventilation, site drainage, fuel and chemical storage, noise management plan and document 22 pig number spreadsheet. Receipt of revised documents: Document 3 H1 Environmental Risk Assessment updated 15/03/2018 Document 6 Site Plan updated 15/03/2018 Document 7 Site Drainage Plan updated 15/03/2018 Document 10 Odour Management Plan updated 15/03/2018 Document 11 Noise Management Plan updated 15/03/2018 Document 18 Dust and Bioaerosol Management Plan updated 15/03/2018 Document 22 Environment Agency spreadsheet updated 15/03/2018 Document 23 Yard Water Drainage Plan updated 15/03/2018	15/03/18
Additional information requested 02/03/18,	Response to Request for Further Information clarifying emergency shower drainage and location, submitted for	16/03/18

Table S1.2 Operating techniques⁽¹⁾		
Description	Parts	Date Received
12/03/18 and 15/03/18 for application EPR/JP3437CW/V003 (Somerby Top Pig Farm)	application EPR/JP3437CW/V003 (Somerby Top Pig Farm), but applicable to this application.	
Additional information requested 15/03/18 for application EPR/JP3437CW/V003 (Somerby Top Pig Farm)	Response to Request for Further Information clarifying the pig housing slurry systems, submitted for application EPR/JP3437CW/V003 (Somerby Top Pig Farm), but applicable to this application.	16/03/18
Additional information requested 05/04/18	Response to request for information clarifying site drainage, ventilation, housing and slurry acidification. Receipt of revised documents: Document 6 Site Plan updated 10/04/2018 Document 7 Site Drainage Plan updated 10/04/2018	10/04/18
Additional information requested 20/04/18	Response to Request for Further Information clarifying boreholes within the installation boundary.	20/04/18
Variation application EPR/NP3636FS/V004	Responses to Parts C3.5 of the application form and referenced supporting documentation. Responses to not duly made request for further information sent 28/02/19 clarifying ammonia modelling, livestock housing and numbers, odour and noise management, and receipt of documents: Information Requested by AQMAU 4th March 2019 Spreadsheet for NDM RFI check Updated by Elsham Linc on 4 March 2019 (<i>livestock housing, flooring, pit design and operation, and livestock numbers</i>) Revised Document 4 - Summary of Proposed Changes Updated 4 March 2019 Revised Document 15 - Noise Management Plan Updated 4 March 2019 Revised Document 16 - Odour Management Plan Updated 4th March 2019	04/03/19
Additional information requested 09/05/19	Response to Request for Further Information clarifying site drainage, permitted livestock numbers, information in the H1 risk assessment, odour management plan, noise management plan, dust and bioaerosol management plan and technical standards, and receipt of revised documents: Document 6 H1 Environmental Risk Assessment Updated 13 May 2019 Document 10 Site Drainage Plan updated 13 May 2019 Document 15 Noise Management Plan updated 14 th May 2019 Document 16 Odour Management Plan updated 14 th May 2019 Document 17 Dust and Bioaerosol Management Plan updated 14 th May 2019	16/05/19
Additional information requested 30/05/19	Response to Request for Further Information, receipt of revised Document 5 Technical Standards (updated 14 th May	03/06/19

Table S1.2 Operating techniques⁽¹⁾		
Description	Parts	Date Received
	2019)	
The documents approved by the Environment Agency in accordance with pre-operational conditions PO1 and PO3 in table S1.4	As specified in the relevant approval.	On completion of pre-operational conditions PO1 and PO3 in table S1.4

(1) Where there is any contradiction or divergence between the operating techniques described in the documentation above then Condition 2.3.1 shall apply to the operating techniques detailed in the documentation received on the most recent date.

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	<p>A written plan shall be submitted to the Environment Agency for approval detailing proposals for replacing or covering existing uncovered slurry stores and lagoons to comply with the requirements of S3.2 of SGN How to Comply – Intensive Farming. The proposals shall include a timetable for the replacement and refurbishment work. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the plan.</p> <p>The plan shall be implemented by the operator from the date of approval in writing by the Environment Agency subject to such amendments or additions as notified by the Environment Agency.</p>	Removed based on compliance by means of slurry acidification (BAT 16c of the 2017 BAT conclusions for the intensive rearing of poultry or pigs).

Table S1.4 Pre-operational measures for future development

Reference	Operation	Pre-operational measures
PO1	Installation of the infrastructure linked to the new acidification of slurry system including slurry pipework	<p>At least 4 weeks before the sulphuric acid infrastructure is installed on the installation, the operator shall submit a written plan to the Environment Agency for approval detailing the following information to minimise the risk of sulphuric acid run-off to ground or surface water from the emergency shower:</p> <ul style="list-style-type: none"> • Final location of the emergency shower confirmed on an updated site drainage plan • Operating techniques in place for usage of the shower in a manner to minimise run-off of any sulphuric acid including operating practices and containment facilities. <p>The written plan shall be approved in writing by the Environment Agency prior to the installation of infrastructure linked to the new acidification of slurry system.</p>
PO3	Stocking of increased livestock numbers above those permitted in variation EPR/NP3636FS/V003	<p>At least 4 weeks before commencement of operation with the increased number of livestock on site, the operator shall confirm in writing to the Environment Agency that the acidification of slurry system has been constructed, including submission of visual evidence of the system and provision of a dry run commissioning report, and is ready to commence full operation. This should also include confirmation that the management system for the site has been updated to reflect that the slurry acidification system will be utilised fully and continuously at all times when the permitted livestock numbers have increased above the permitted numbers in EPR/NP3636FS/V003.</p> <p>The operator shall not increase livestock numbers above those permitted in previous variation EPR/NP3636FS/V003 until agreement from the Environment Agency has been given.</p>

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
High velocity roof fan outlets on pig houses 4 and 7 - 13 as shown on the site layout plan in schedule 7	Pig houses 4 and 7 – 13 (Farrowing House, Nurseries 2, and 3, Finishing Houses 1 – 4 and Lairage)	---	---	---	---	---
Side and gable end outlets (Yorkshire Boarding, natural ventilation) on pig houses 1 - 3 and 5 as shown on the site layout plan in Schedule 7	Pig houses 1 - 3 and 5 (Gilt and Service House, Dry Sow Houses 1 and 2 and Orphanage)	---	---	---	---	---
Side fan outlets on pig house 6 as shown on the site plan in schedule 7	Pig house 6 (Nursery 1)	---	---	---	---	---
Vents from kerosene tank and diesel tank as shown on site layout plan reference 'Document 9 – Site Plan' received in support of application EPR/NP3636FS/V004	Kerosene tank & diesel tank	---	---	---	---	---
Vent from sulphuric acid tank as shown on the site layout plan in schedule 7	Sulphuric acid tank	---	---	---	---	---
Vent from mixing tank as shown on the site layout plan in schedule 7	Mixing tank	---	---	---	---	---

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Soakaways as shown on the revised site drainage plan reference 'Document 10 – Northmoor Site Drainage Plan updated 13 th May 2019' received 16/05/19 in support of application EPR/NP3636FS/V004	Roof water from pig houses 1 - 2 and 5 - 13 (Gilt and Service House, Dry Sow House 1, Orphanage, Nurseries 1 – 3, Finishing Houses 1 – 4 and Lairage), and uncontaminated yard surface water	---	---	---	---	---
Outlet to surface water (unnamed tributary of 'The Dale' river) immediately west of installation boundary as indicated on the revised site drainage plan reference 'Document 10 – Northmoor Site Drainage Plan updated 13 th May 2019' received 16/05/19 in support of application EPR/NP3636FS/V004	Roof water from pig houses 3 & 4 (Dry Sow House 2 and Farrowing House) and uncontaminated yard surface water	---	---	---	---	---

Table S3.3 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Limit (incl. Unit)	Monitoring frequency (1)	Monitoring standard or method
Weaners (rearing of pigs up to 30 kg) in existing house 5, referred to as Orphanage, pigs weighing 7 – 20kg on solid concrete floor, full straw litter system	kg NH ₃ /animal place/year	From 21/02/21 0.7kg NH ₃ /animal place/year	Annually	Estimation using emission factors
	kg N excreted/animal place/year	From 21/02/21 4.0 kg N/animal place/year	Annually	Using a mass balance of nitrogen based on the feed intake, dietary content of crude protein and animal performance or Estimation by using manure analysis for total nitrogen content
	kg P ₂ O ₅ excreted/animal place/year	From 21/02/2021 2.2 kg P ₂ O ₅ animal place/year	Annually	Using a mass balance of phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total phosphorus content
Fattening Pigs (production pigs (over 30 kg) in existing house 1 referred to as Gilt and Service House, unserved gilts classed as production pigs >30kg, on solid concrete floor, full straw litter system	kg NH ₃ /animal place/year	From 21/02/21 5.65 kg NH ₃ /animal place/year	Annually	Estimation using emission factors
	kg N excreted/animal place/year	From 21/02/21 13.0 kg N/animal place/year	Annually	Using a mass balance of nitrogen based on the feed intake, dietary content of crude protein and animal performance or Estimation by using manure analysis for total nitrogen content
	kg P ₂ O ₅ excreted/animal place/year	From 21/02/21 5.4kg P ₂ O ₅ animal place/year	Annually	Using a mass balance of phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total phosphorus content

Table S3.3 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Limit (incl. Unit)	Monitoring frequency (1)	Monitoring standard or method
Fattening Pigs (production pigs (over 30 kg) in existing house 6, referred to as Nursery 1, fully slatted floor with frequent slurry removal	kg NH ₃ /animal place/year	From 21/02/21 2.6 kg NH ₃ /animal place/year	Annually	Estimation using emission factors
	kg N excreted/animal place/year	From 21/02/21 13.0 kg N/animal place/year	Annually	Using a mass balance of nitrogen based on the feed intake, dietary content of crude protein and animal performance or Estimation by using manure analysis for total nitrogen content
	kg P ₂ O ₅ excreted/animal place/year	From 21/02/21 5.4kg P ₂ O ₅ animal place/year	Annually	Using a mass balance of phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total phosphorus content
Fattening Pigs (production pigs (over 30 kg) in new houses 7 – 13, referred to as Nurseries 2 and 3, Finishing Houses 1 – 4 and Lairage, fully slatted floor with frequent slurry removal and acidification of slurry	kg NH ₃ /animal place/year	2.6 kg NH ₃ /animal place/year	Annually	Estimation using emission factors
	kg N excreted/animal place/year	13.0 kg N/animal place/year	Annually	Using a mass balance of nitrogen based on the feed intake, dietary content of crude protein and animal performance or Estimation by using manure analysis for total nitrogen content
	kg P ₂ O ₅ excreted/animal place/year	5.4kg P ₂ O ₅ animal place/year	Annually	Using a mass balance of phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total phosphorus content
Farrowing sows (including suckling piglets) in existing house 4, referred to as Farrowing House, fully slatted floor with frequent slurry removal and acidification of slurry	kg NH ₃ /animal place/year	From 21/02/21 5.6 kg NH ₃ /animal place/year	Annually	Estimation using emission factors
	kg N excreted/animal place/year	From 21/02/21 30.0 kg N/animal place/year	Annually	Using a mass balance of nitrogen based on the feed intake, dietary content of crude protein, and animal performance or Estimation by using manure analysis for total nitrogen content

Table S3.3 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Limit (incl. Unit)	Monitoring frequency (1)	Monitoring standard or method
	kg P ₂ O ₅ excreted/animal place/year	From 21/02/21 15 kg P ₂ O ₅ animal place/year	Annually	Using a mass balance of phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total phosphorus content
Mating and gestating sows in existing houses 1 – 3, referred to as Gilt and Service House and Dry Sow Houses 1 and 2, sows on solid concrete floor, full straw litter system	kg NH ₃ /animal place/year	From 21/02/21 5.2 kg NH ₃ /animal place/year	Annually	Estimation using emission factors
	kg N excreted/animal place/year	From 21/02/21 30.0 kg N/animal place/year	Annually	Using a mass balance of nitrogen based on the feed intake, dietary content of crude protein, and animal performance or Estimation by using manure analysis for total nitrogen content
	kg P ₂ O ₅ excreted/animal place/year	From 21/02/21 15 kg P ₂ O ₅ animal place/year	Annually	Using a mass balance of phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total phosphorus content
Weaners, fattening pigs, farrowing sows (including suckling piglets) and mating and gestating sows in new and existing houses 1 – 13, as described above	Dust	n/a	Annually	Estimation using emission factors

Notes

(1) For all existing housing permitted before 21/02/17 the monitoring is a requirement from 21/02/21.

Schedule 4 – Reporting

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Process monitoring parameters as required by condition 3.5.1	-	Every 12 months	1 January

Table S4.2 Reporting forms		
Media/parameter	Reporting format	Date of form
kg NH ₃ /animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	01/05/18
kg N excreted/animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	01/05/18
kg P ₂ O ₅ excreted/animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	01/05/18
Dust atmospheric mass emission	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	01/05/18

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit number	
Name of operator	
Location of facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	
Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“emissions to land” includes emissions to groundwater.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“Manure and slurry” have the following meaning:

- Manures may be either slurries or solid manures.
- Slurries consist of excreta produced by livestock whilst in a yard or building mixed with rainwater and wash water and, in some cases, waste bedding and feed. Slurries can be pumped or discharged by gravity.
- Slurry includes duck effluent, seepage from manure and wash water.
- Solid manures include farmyard manure (FYM) and comprise material from straw-based housing systems, excreta with lots of straw/sawdust/woodchips in it, or solids from mechanical separators.
- Most poultry systems produce solid manure (litter).
- Solid manure can generally be stacked.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pests” means Birds, Vermin and Insects.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“year” means calendar year ending 31 December.

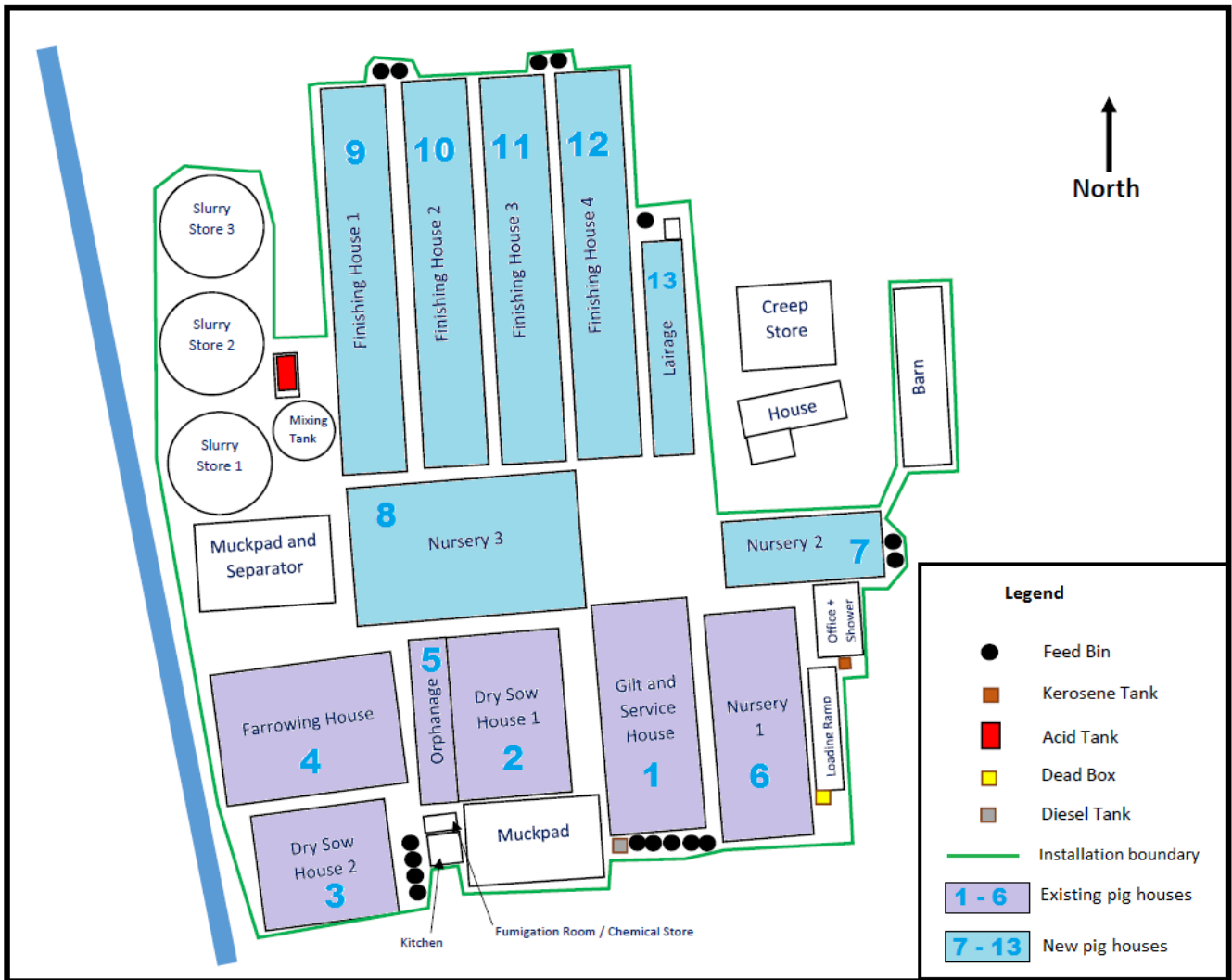
Schedule 7 – Site plan

Site plan - showing installation boundary as referred to in condition 2.2.1.



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Site layout plan



END OF PERMIT