



Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Fridays Limited

Poultry units at an installation comprising
Knoxbridge Farm and Tolehurst Farm

Knoxbridge Farm
Cranbrook Road
Knoxbridge
Kent
TN17 2BT

Tolehurst Farm
Cranbrook Road
Cranbrook
Kent
TN17 2BP

Variation application number

EPR/KP3333US/V006

Permit number

EPR/KP3333US

Knoxbridge Farm Poultry Unit and Tolehurst Farm Poultry Unit

Permit number EPR/KP3333US

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. All the conditions of the permit have been varied and are subject to the right of appeal.

This variation authorises the following changes:

- Installation of two cage reared pullet houses at Tolehurst Farm, TL1 and TL2, in place of the two previously proposed floor reared pullet houses.
- An increase in pullet numbers at the Tolehurst Farm from 84,000 to 268,000 places.
- An increase in total bird numbers at Tolehurst Farm from 180,000 to 364,000 places.

Birds are placed in the houses as day old chicks and removed from the site at 17 weeks (point of lay). The two new houses are ventilated using high velocity roof fans, with vents at least 7.5 metres high and a minimum efflux velocity of 14.6m/s. The houses also have gable end fans, although these are operated infrequently to maintain temperature, typically in the summer months. Both new houses operate twice weekly manure removal by belt system; used litter is exported off-site for spreading on third party land. The houses are heated by kerosene heaters.

We have reviewed the new housing introduced with this permit variation for this installation against the BAT conclusions as defined in Intensive Farming BAT conclusion document dated 20/02/17. The permit conditions and schedules ensure the compliance of the new housing with this BAT conclusions document.

There is no change to the installation boundary as a result of this variation.

The rest of the installation is unchanged and continues to be operated as follows:

The two poultry units, Tolehurst Farm (centred at TQ 78499 39963) and Knoxbridge Farm (centred at TQ 79100 40960), are located either side of the A229, approximately 12 miles south of Maidstone, Kent. The installation is operated by Fridays Limited.

The two farms are 1km apart but can be regarded as one installation because they have the same management, are located close to each other and share a successive step process, namely pullet rearing.

Knoxbridge Farm comprises eleven poultry houses, KX6 to KX14, KX16 and KX18, which operate a vertical tiered cage system for laying hens. The houses provide a combined capacity for 1,081,944 bird places. Houses are ventilated by side ventilation. Birds are brought onto site at 16 to 17 weeks old and are depleted at 72 to 73 weeks. Manure is removed from all the poultry houses twice weekly by manure belt incorporating air drying, except houses KX9 to KX12 which do not incorporate drying. Used litter is exported off-site for spreading on land owned by third parties.

At the end of the cycle, houses are depopulated, washed and disinfected ready for the next cycle. Used litter is exported from the site for spreading on land owned by third parties. Water from the wash out of houses is channelled to underground collection tanks to await export off site for spreading on third party owned land. Roof water and uncontaminated yard drainage discharges to drainage ditches via settlement ponds.

Associated feed is stored in fully enclosed, galvanised steel bins. Rations are formulated according to bird age; protein and phosphorus levels are reduced over the laying period. Water is provided via nipple drinkers to minimise water spillage. Mortalities are collected daily and stored in sealed containers awaiting incineration on site in the dedicated Animal and Plant Health Agency (APHA) approved incinerator.

The land surrounding the site is predominantly flat and used for arable farming.

Tolehurst Farm also comprises two existing poultry houses, TOL1 and TOL2, which operate a multi-tier aviary system for free range laying hens. The two existing poultry houses provide a combined capacity for 96,000 bird places. Birds are placed in the houses at 16 weeks old and stay on site until they are 72 weeks old. Both houses are ventilated using high velocity roof fans with vents at least 7.5 metres high and a minimum efflux velocity of 13.3m/s. The houses also have gable end fans, although these are operated infrequently to maintain temperature, typically in the summer months. Manure is removed twice weekly by belt removal; used litter is exported off-site for spreading on land owned by third parties.

At the end of the cycle, the two existing and two new poultry houses at Tolehurst Farm are depopulated, washed and disinfected ready for the next cycle. Used litter is exported from the site for spreading on land owned by third parties. Water from the wash out of houses is channelled to underground collection tanks to await export off site for spreading on third party owned land. Roof water and uncontaminated yard drainage from all four houses discharges to drainage ditches via French drains and swales.

Associated food is stored on the installation in bulk bins. Feed will consist of four rations for layers and three rations for pullets, to reduce excretion of nitrogen. Phosphorous levels are also reduced during each stage of ration. Mortalities are collected daily and stored in sealed containers awaiting incineration on site in the dedicated Animal and Plant Health Agency (APHA) approved incinerator. Water is provided via nipple drinkers with drink cups to reduce leakage and spills.

The land surrounding the site is mainly agricultural, with a large area of mixed woodland to the southern and eastern sides.

There are three Sites of Special Scientific Interest (SSSI) within 5km of the installation, and thirty-eight other nature conservation sites within 2km comprising of five Local Wildlife Sites (LWS) and thirty-three Ancient Woodlands (AW).

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	Duly made 29/03/2007	---
Permit determined KP3333US	26/10/2007	Original permit issued to Fridays Limited
Application EPR/ZP3338XX	Duly made 22/01/2008	---
Variation determined EPR/ZP3338XX	17/04/2008	Varied permit issued.
Application EPR/KP3333US/V003	Duly made 30/11/2009	---
Variation determined EPR/KP3333US/V003	16/04/2010	Varied permit issued.
Application received EPR/KP3333US/V004	Duly made 31/05/2012	---

Status log of the permit		
Description	Date	Comments
Variation determined EPR/KP3333US/V004	13/08/2012	Varied permit issued.
Application received EPR/KP3333US/V005	Duly made 13/02/2013	---
Variation determined EPR/KP3333US/V005	25/03/2013	Varied permit issued to increase number of birds at Tolehurst Farm.
Application received EPR/KP3333US/V006	Duly made 11/09/19	Application to vary the permit to install two new pullet houses and increase the number of pullet places from 84,000 to 268,000 at Tolehurst Farm Poultry Unit.
Additional information received	26/03/20	Response to request for information confirming bird numbers, bird type and housing system.
Additional information received	14/04/20	Response to Schedule 5 notice providing a revised site drainage plan and site plan, technical standards document and confirmation that the farm will be operated in accordance with the new BAT conclusions.
	22/04/20	Response to Schedule 5 notice providing revised odour and noise management plans.
Additional information received	03/05/20	Response to Request for Information clarifying air drying facilities on poultry houses at Knoxbridge Farm and frequency of manure removal by belt system.
Additional information received	01/06/20	Submission of revised ammonia modelling reports, information relation to the reduction of emission factors and ammonia emission comparisons.
Additional information received	03/06/20	Confirmation of bird numbers modelled in February 2020 ammonia modelling.
Additional information received	17/06/20	Response to Request for Information providing details of the proposed ventilation system and associated reductions to the standard pullet emission factor.
Additional information received	18/06/20	Submission of further information in support of reductions to the standard pullet emission factor.
Variation determined EPR/KP3333US (Billing reference: XP3404PF)	14/07/20	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/KP3333US

Issued to

Fridays Limited (“the operator”)

whose registered office is

Chequer Tree Farm

Benenden Road

Cranbrook

Kent

TN17 3PN

company registration number 01005611

to operate an installation comprising

Knoxbridge Farm Poultry Unit

Cranbrook Road

Knoxbridge

Kent

TN17 2BT

and

Tolehurst Farm Poultry Unit

Cranbrook Road

Cranbrook

Kent

TN17 2BP

to the extent set out in the schedules.

The notice shall take effect from 14/07/2020

Name	Date
Rebecca Warren	14/07/2020

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit EPR/KP3333US as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/KP3333US

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/KP3333US/V006 authorising,

Fridays Limited (“the operator”),

whose registered office is

Chequer Tree Farm

Benenden Road

Cranbrook

Kent

TN17 3PN

company registration number 01005611

to operate an installation comprising

Knoxbridge Farm Poultry Unit

Cranbrook Road

Knoxbridge

Kent

TN17 2BT

and

Tolehurst Farm Poultry Unit

Cranbrook Road

Cranbrook

Kent

TN17 2BP

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

Name	Date
Rebecca Warren	14/07/2020

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 activity authorised by the permit is the activity 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 red 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.

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.

4.4 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

Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.9 A(1)(a)(i) Rearing of poultry intensively in an installation with more than 40,000 places	The rearing of poultry in a facility with a total capacity for 1,445,944 places comprising: <u>Knoxbridge Farm</u> 1,081,944 layer places <u>Tolehurst Farm</u> 96,000 layer places 268,000 pullet places	From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site.
Directly Associated Activity	Description of specified activity	Limits of specified activity
Carcass incineration at Knoxbridge Farm	Operation of an Incinerator for carcass disposal Animal and Plant Health Agency (APHA) approved <50 kg/hr.	From receipt of raw materials, fuels and input of carcasses to release of combustion products to air and associated wastes removed from site.
Carcass incineration at Tolehurst Farm	Operation of an Incinerator for carcass disposal Animal and Plant Health Agency (APHA) approved <50 kg/hr.	From receipt of raw materials, fuels and input of carcasses to release of combustion products to air and associated wastes removed from site.

Description	Parts	Date Received
Application KP3333US	The responses to sections B2.3.1, B2.3.2, B2.3.3, B2.6.1, B2.6.2, B2.6.3, B2.7.1 and B2.7.2 in the application.	31/01/2007
Request for information dated 15/02/07	Response to Request for Information confirming site boundaries, incinerators, disposal of lightly contaminated water, oil tank bunding and borehole supply water.	19/03/2007
Request for information dated 06/08/07	Response to Request for Information confirming risk assessments for oil storage facilities.	09/10/2007
Application for Variation ZP3338XX	The responses to C2.8 Accident Prevention.	30/01/2008
Application for Variation EPR/KP3333US/V004	Responses to Part C3 Section 3 and Appendix.c2.5.c.kx Non-technical Summary, Appendix. 2.1a.kx.v4 Buildings inventory and Appendix.c2.6.kx.v3 Environmental Assessment	31/05/2012
Additional Information received	Agreement that Environmental Assessment should be based on a consistent use of emission factors to compare scenarios.	31/05/2012
Application for Variation EPR/KP3333US/V005	Receipt of comprehensive environmental risk assessment in H1 format.	13/02/2013
Application EPR/KP3333US/V006	Responses to C3.5 of the application form and referenced supporting documentation, including: <ul style="list-style-type: none"> • Environmental risk assessment • Raw materials and building inventory 	13/05/2019
Additional information requested 03/09/2019	Response to Request for Information providing a dust and bioaerosol management plan.	10/09/2019

Table S1.2 Operating techniques		
Description	Parts	Date Received
Additional information requested 26/03/20	Response to Request for Information confirming bird numbers, bird type and housing system.	26/03/2020
Response to Schedule 5 Notice dated 01/04/2020	Response to parts C, D, E and F providing a revised site drainage plan and site plan, technical standards document and confirmation that the farm will be operated in accordance with the new BAT conclusions.	14/04/2020
	Response to parts A and B providing revised odour and noise management plans.	22/04/2020
Additional information requested 29/04/20	Response to Request for Information confirming air drying facilities on poultry houses at Knoxbridge Farm and frequency of manure removal by belt system.	03/05/2020
Additional information received	Submission of ammonia modelling report (February 2020)	01/06/20
Additional information requested 09/06/20	Response to Request for Information providing further details of the proposed ventilation system.	17/06/20

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1 For Knoxbridge Farm only	The operator shall bund the Agricultural fuel oil storage facilities to comply with the requirements of S3.3 of TGN How to Comply, Version 1.	Complete
IC2 For Knoxbridge Farm only	<p>A written plan shall be submitted to the Agency for approval, following a review of all site drainage at the installation. The plan should take into account the appropriate measures for the management of drainage systems and run-off in S3.3 of TGN How to Comply, Version 1, including specific reference to drainage from yards contaminated by manures or slurries, and include a timetable for any improvements to the drainage system. The notification requirements of condition 2.5.2 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 Agency subject to such amendments or additions as notified by the Agency.</p>	Complete
IC3 For Knoxbridge Farm only	<p>A written plan shall be submitted to the Agency for approval following a review of existing poultry housing and management practices at the installation. The plan shall take into account the appropriate measures in S6.2.2 of TGN How to Comply, Version 1. The plan shall identify measures to reduce emissions to all media, the likely cost of such measures and a proposed timetable for their implementation.</p> <p>The notification requirements of condition 2.5.2 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 Agency subject to such amendments or additions as notified by the Agency.</p>	Complete
IC4	The operator shall bund the Agricultural fuel oil storage facility serving the heater at TOL 1 & TOL 2 Rearing Houses to comply with the requirements of S3.3 of TGN How to Comply, Version 1.	Complete

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
For Tolehurst Farm only		
IC5 For Tolehurst Farm only	The operator shall bund the Agricultural fuel oil storage facility serving the generator at TOL 5 to comply with the requirements of S3.3 of TGN How to Comply, Version 1.	Complete
IC6 For Tolehurst Farm only	<p>A written plan shall be submitted to the Agency for approval, following a review of all site drainage at the installation. The plan should take into account the appropriate measures for the management of drainage systems and run-off in S3.3 of TGN How to Comply, Version 1, including specific reference to drainage from yards contaminated by manures or slurries, and include a timetable for any improvements to the drainage system. The notification requirements of condition 2.5.2 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 Agency subject to such amendments or additions as notified by the Agency.</p>	Complete
IC7 For Tolehurst Farm only	<p>A written plan shall be submitted to the Agency for approval following a review of existing poultry housing and management practices at the installation. The plan shall take into account the appropriate measures in S6.2.2 of TGN How to Comply, Version 1. The plan shall identify measures to reduce emissions to all media, the likely cost of such measures and a proposed timetable for their implementation.</p> <p>The notification requirements of condition 2.5.2 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 Agency subject to such amendments or additions as notified by the Agency.</p>	Complete

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
Knoxbridge Farm - Side fan outlets on poultry houses KX6 to 14, KX16 and KX18 as shown on Site Plan 2 in schedule 7	Poultry houses KX6 to 14, KX16 and KX18	---	---	---	---	---
Knoxbridge Farm - Chimney from carcass incinerator as shown on the site drainage plan, reference, Appendix. 2. a. kx.v4, received on 16/12/09 with application EPR/KP3333US/V003	Carcass incinerator	---	---	---	---	---
Knoxbridge Farm - Exhaust from standby generators as shown on the site drainage plan, reference Appendix. 2. a. Kx.v3, received on 16/12/09 with application EPR/KP3333US/V003	Standby Generators	---	---	---	---	---
Knoxbridge Farm - Vent from oil tanks as shown on the site drainage plan, reference Appendix. 2. a. kx.v4, received on 16/12/09 with application EPR/KP3333US/V003	Diesel/ Kerosene tanks	---	---	---	---	---
Tolehurst Farm - High velocity roof fan outlets on poultry houses TL1, TL2, TOL1 and TOL2 as shown on Site Plan 5 and 6 in Schedule 7	Poultry houses TL1, TL2, TOL1 and TOL2	---	---	---	---	---
Tolehurst Farm - Gable end fan outlets on poultry houses TL1, TL2, TOL1 and TOL2 as shown on Site Plan 5 and 6 in Schedule 7	Poultry houses TL1, TL2, TOL1 and TOL2	---	---	---	---	---
Tolehurst Farm - Chimney from carcass incinerator as shown	Carcass incinerator	---	---	---	---	---

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
on Site Plan 6 in Schedule 7						
Tolehurst Farm - Exhaust from standby generators as shown on the site plan, reference Appendix 2, received on 13/05/19 with application EPR/KP3333US/V006	Standby Generators	---	---	---	---	---
Tolehurst Farm - Vent from oil tanks as shown on Site Plan 5 and 6 in Schedule 7	Diesel/ Kerosene tanks	---	---	---	---	---

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
Knoxbridge Farm - Outlets from two settlement ponds to unnamed tributaries of the River Beult as shown on Site Plan 3 in Schedule 7	Roof water from all poultry houses, the manure store and water draining from yard (excluding poultry house wash out periods).	---	---	---	---	---
Tolehurst Farm - Outlets from three swales to unnamed tributaries of the River Beult as shown on Site Plan 5 and 6 in Schedule 7	Roof water from all poultry houses and water draining from yard (excluding poultry house wash out periods) via French drains	---	---	---	---	---

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
Knoxbridge Farm - Laying hens (vertical tiered cages in houses KX6 to 14, KX16 and KX18)	kg N excreted/animal place/year	From 21/02/2021 0.8 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
	kg P ₂ O ₅ excreted/animal place/year	From 21/02/2021 0.45 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
	Kg NH ₃ /animal place/year	From 21/02/2021 0.08 kg NH ₃ /animal place/year	Annually	Estimation using emission factors
	Dust	n/a	Annually	Estimation using emission factors
Tolehurst Farm - Laying hens (non-cage aviary system) in houses TOL1 and TOL2)	kg N excreted/animal place/year	From 21/02/2021 0.8 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
	kg P ₂ O ₅ excreted/animal place/year	From 21/02/2021 0.45 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
	kg NH ₃ /animal place/year	From 21/02/2021 0.13 kg NH ₃ /animal place/year	Annually	Estimation using emission factors
	Dust	n/a	Annually	Estimation using emission factors
Tolehurst Farm - Pullets (cage system in houses TL1 and TL2)	Dust	n/a	Annually	Estimation using emission factors
	Ammonia	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

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

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	14/07/20
kg N excreted/animal place/year & kg P ₂ O ₅ excreted/animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	14/07/20
Dust atmospheric mass emission	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	14/07/20

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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection	
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.

“Animal and Plant Health Agency (APHA)” is the government agency that licences small on farm incinerators; formerly known as the Animal Health and Veterinary Laboratories Agency.

“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.

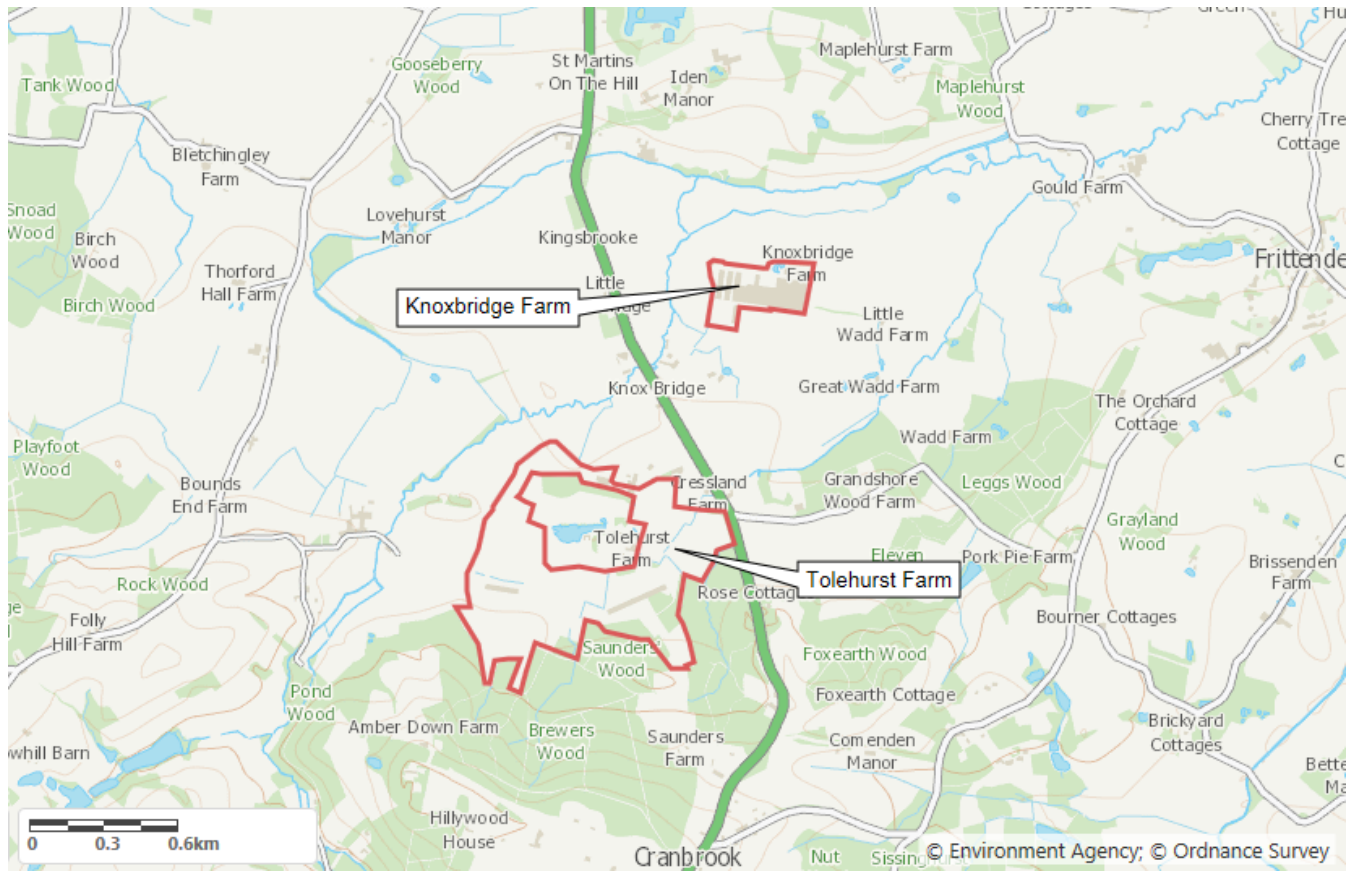
“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk

“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.

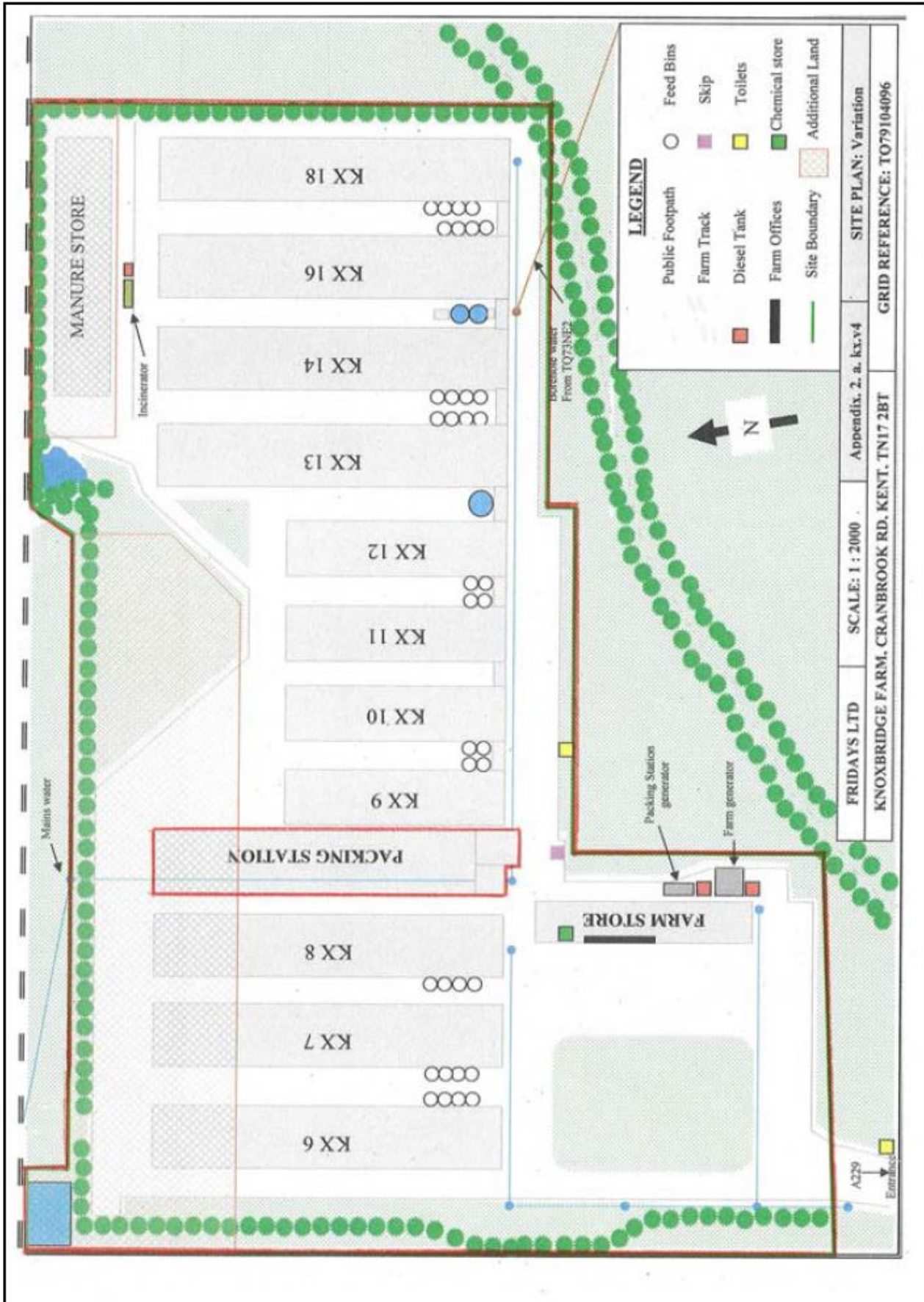
Schedule 7 – Site plan

Site plan 1 - showing installation boundary as referred to in condition 2.2.1.

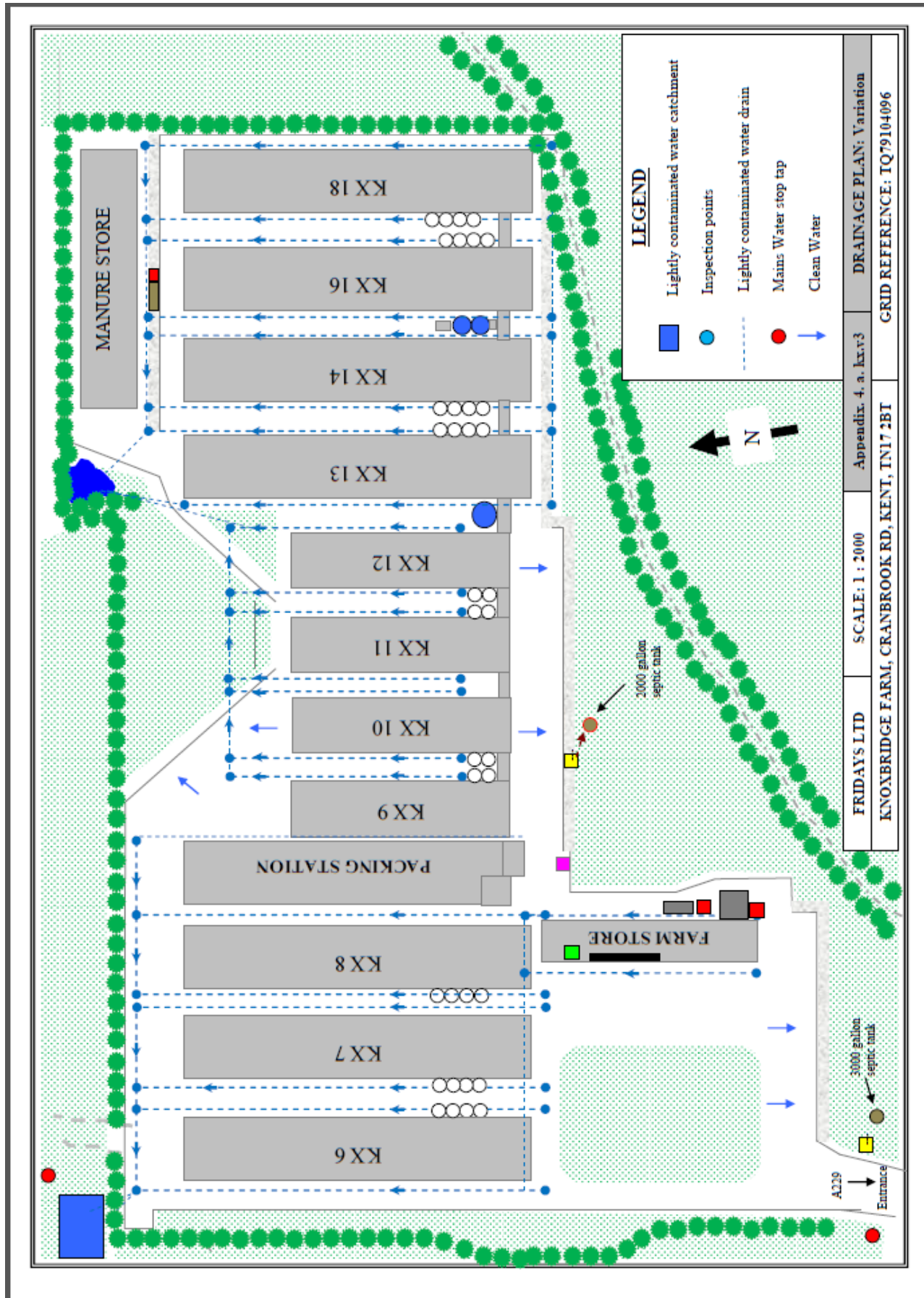


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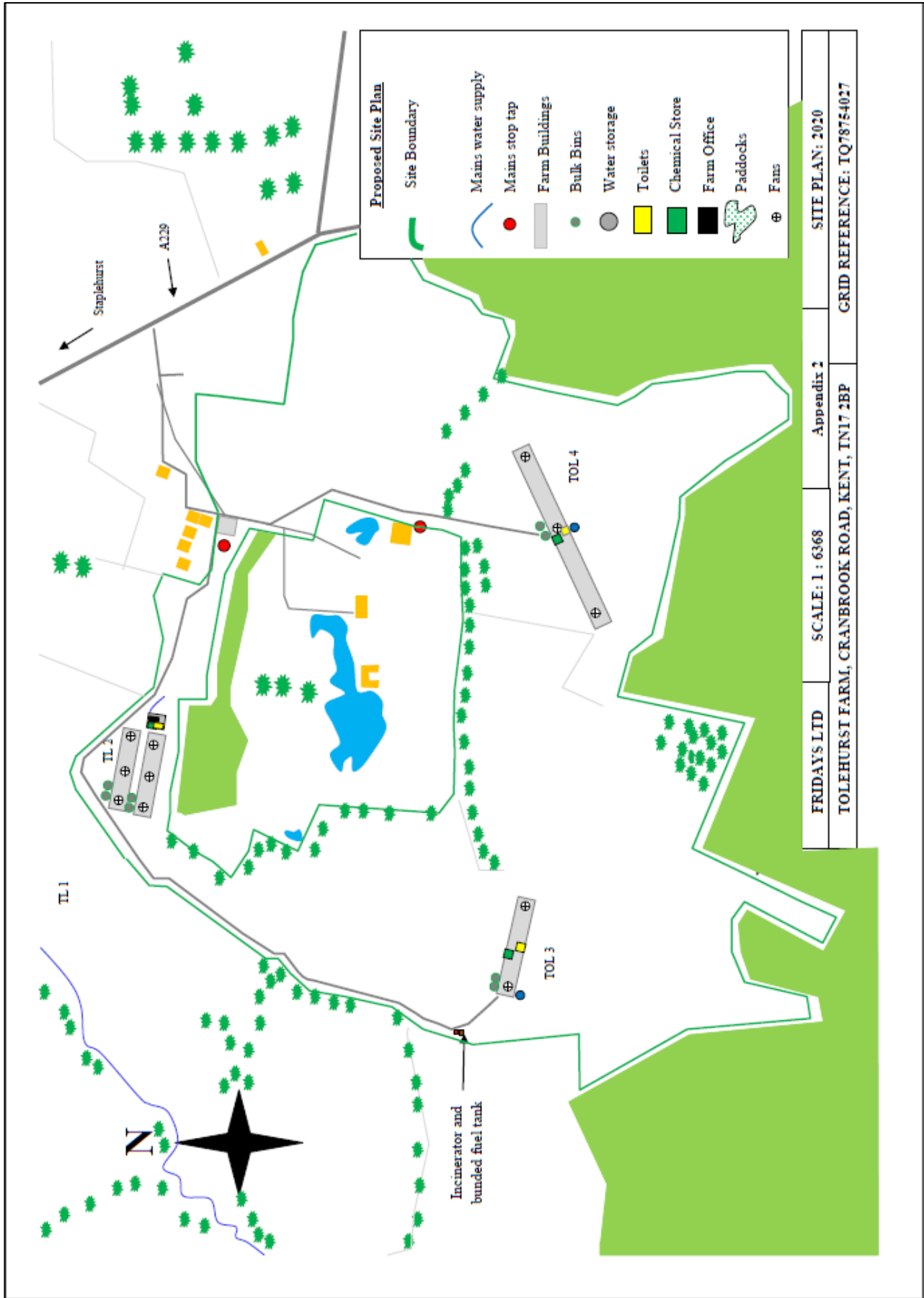
Site Plan 2 - Knoxbridge Farm layout



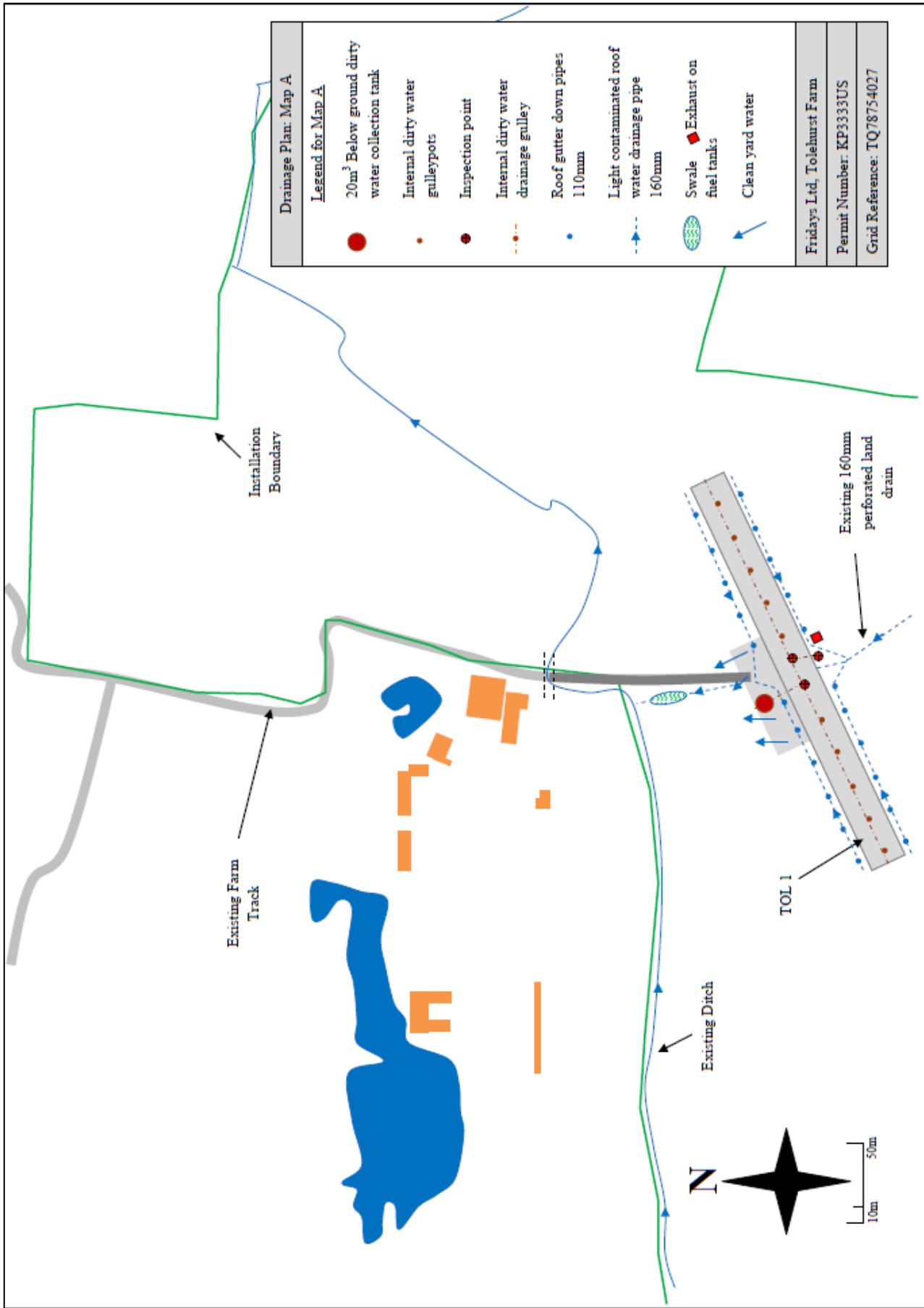
Site Plan 3 – Knoxbridge Farm drainage



Site Plan 4 – Tolehurst Farm layout



Site Plan 5 - Tolehurst Farm layout and drainage



Site Plan 6 - Tolehurst Farm layout and drainage



END OF PERMIT

Permit number
EPR/KP3333US