



Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

T Soanes & Son (Poultry) Ltd

Church Hill Farm
Middleton-on-the-Wolds
Driffield
East Yorkshire
YO25 9UG

Permit number

EPR/WP3831VY

Church Hill Farm

Permit number EPR/WP3831VY

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Church Hill Farm is an abattoir slaughtering and processing a maximum of 150,000 poultry each week. All process effluent from the abattoir will be treated and discharged to groundwater.

The activities undertaken at the Installation will be as follows;-

- Section 6.8 Part A (1)(b) – Slaughtering of animals at a plant with a carcass production capacity of more than 50 tonnes per day.
- Section 5.4 Part A (1)(a)(ii) – Disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment.

In addition to the above activities there will also be a permitted discharge to groundwater.

Live poultry is delivered to the site and placed in a covered reception area (Lairage). The birds are stunned before slaughter, then scalded and plucked before entering the evisceration room where unwanted parts and by-products are removed and the carcass is graded by weight. The product is then chilled, graded and packed before loading onto refrigerant trailers for delivery to customers.

Currently process effluent from the installation is collected and treated in-house by a dissolved air flotation unit (DAF) situated adjacent to the lairage. This treated effluent is then discharged to a surface impoundment (a series of lagoons) located to the east of the production facility when it soaks into the ground or evaporates. An improvement programme is proposed which includes installation of a new effluent treatment plant (ETP). This ETP will include screening; a flow and load balancing lagoon; a dissolved air flotation unit; solids handling and oxidation lagoon before the effluent is finally discharged to groundwater via an unlined infiltration pond.

Emissions to air include combustion gases from liquefied petroleum gas (LPG) fired boiler and burners associated with the scald tank and cleaning system buffer vessel. The combined thermal input capacity of the boilers/burners is less than 5 MW. There are no discharges to surface water. Segregated uncontaminated surface water is discharged to soakaways by a series of drains and treated process effluent will be discharged to groundwater via an unlined infiltration pond. Most waste arising from the site is Animal By-Product waste which is sent off site to be treated at an approved processing plant. All other waste is either sent off site for recovery/recycling or landfill.

There is one Local Wildlife Site Pricketts Hollow and Woods within 2km of the installation. There are no other designated ecological receptors within relevant screening distances from the Installation (including no Special Areas of Conservation (SACs); Special Protection Areas (SPAs) or Ramsars within 10 km of the installation, and no SSSI's within 2 km of the installation).

T Soanes & Son (Poultry) Ltd will have an Environmental Policy and an in-house Environment Management System (EMS).

The site is located to the east of Middleton-on-the-Wolds the nearest sensitive receptor (residential properties) are within 10 metres of the western boundary of the site. There are also residential properties within 100 metres of the northern boundary of the site. The land adjacent to the eastern and southern boundaries is predominately rural.

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

Status log of the permit		
Description	Date	Comments
Application EPR/WP3831VY/A001	Duly made 18/12/2015	Application for a Poultry Abattoir and discharge to groundwater.
Additional information received	Email 27/02/17	Lagoon design and infiltration pond. Plan 0280 SP-WP - 01 Plan and effluent flow path. Plan 30280 SP-WWP - 02 - Liner details v4. Plan 30280 SP- WWP-03 - Effluent Lagoon v4. Plan 30280 SP-WP -04 Oxidation ditch v4. Plan 30280 SP-WWP -05 - Settlement Lagoon v3. Plan 30280 SP- WWP-06 – Infiltration Pond v3. Plan 30280 SP- WWP-07 – Geosynthetic Materials v3.
	Email 27/02/17	Lagoon maintenance. Plan Lagoon annual inspection checklist. Plan Lagoon LDS monitoring procedure.
	Email 27/02/17	Odour Management Plan v3 - only appendix E describing the Effluent Treatment Plant upgrade.
	Email 27/02/17	Greenerwaste consolidated response addressing questions 19-39 of the consolidated schedule 5 notice.
	Email 01/03/17	CQA 30280 Church Hill Farm CQA Plan. Plan 1097 DAF House floor. CQA 30280 Soakaway design. Consolidated response addressing questions 1-18 and 40 -41 of the consolidated schedule 5 notice Site Condition Report
	Email 05/05/17	Final Monitored Natural Attenuation Plan April 2017.
	Email 10/06/17	Final Odour Management Plan Revision 3. Cost Benefit Analysis
Permit determined EPR/WP3831VY	23/08/2017	Permit issued to T Soanes & Son (Poultry) Ltd.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/WP3831VY

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

T Soanes & Son (Poultry) Ltd (“the operator”),

whose registered office is

33/35 Exchange Street

Driffield

East Yorkshire

YO25 6LL

company registration number **05217234**

to operate an installation and a groundwater activity at

Church Hill Farm

Middleton-on-the-Wolds

Driffield

East Yorkshire

YO25 9UG

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

Name	Date
SIMON HEWITT	23/08/2017

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, including those 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 it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

- 1.2.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

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;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) 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
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out 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 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 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.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

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 listed in schedule 3 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 (excluding odour) 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;
 - (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;
 - (b) surface water or groundwater specified in table S3.3 and S3.4;

- 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.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.2, S3.3 and S3.4 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 from pests;
 - (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 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 keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

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 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;
 - (b) the annual production /treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 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 S4.4 ; 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;
 - (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 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:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) 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.

4.3.4 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.

4.3.5 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.6 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 6.8 A1 (b)	Slaughter of poultry. Slaughtering of animals at a plant with a carcass production capacity of more than 50 tonnes per day	Receipt of live animals to despatch of whole carcasses. Maximum capacity of 150,000 birds per week (90 tonnes per day)
Section 5.4 A(1) (a) (ii)	Disposal of non hazardous waste with a capacity exceeding 50 tonnes per day by physico-chemical treatment	Storage and treatment of onsite effluent (including, screening, flow/load balancing, dissolved air flotation and oxidation) to its discharge to groundwater. Discharge to groundwater via an unlined infiltration pond shown on drawing no. 1224 rev1 entitled 'odour emanation' dated April 2017.
Directly Associated Activity		
Storage and handling of raw material	Storage of raw materials for submission to the permitted or directly associated activities	From receipt of raw materials at the installation to use within permitted or directly associated activities. Includes storage prior to use.
Storage and handling of Animal By Products and other wastes	Storage of Animal By Products including Offal, feathers, gut contents, blood. Storage of other wastes arising from the permitted and directly associated activities	From production of wastes to their dispatch from the installation. Includes storage prior to dispatch.
Boilers for the production of hot water for cleaning equipment, scalding and heating.	1 boiler and 3 burners with an aggregated thermal input rating of less than 5MW.	Boiler and burner operation fuelled by liquid petroleum gas
Refrigeration	Chilling, freezing and cold storage of product.	Cold storage of poultry carcasses and finished product. Other production process including chilling and blast freezing.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Sections 2 of the application document provided in response to section 3a – technical standards , Part B3 of the application form	Duly Made 18/12/15
Response to Schedule 5 Notices dated 08/02/16 & 06/06/16	Lagoon design and infiltration pond. Plan 0280 SP-WP - 01 Plan and effluent flow path. Plan 30280 SP-WWP - 02 - Liner details v4. Plan 30280 SP- WWP-03 - Effluent Lagoon v4.	Email 27/02/17

Table S1.2 Operating techniques		
Description	Parts	Date Received
	Plan 30280 SP-WP -04 Oxidation ditch v4. Plan 30280 SP-WWP -05 - Settlement Lagoon v3. Plan 30280 SP- WWP-06 – Infiltration Pond v3. Plan 30280 SP- WWP-07 – Geosynthetic Materials v3. Lagoon maintenance. Plan Lagoon annual inspection checklist. Plan Lagoon LDS monitoring procedure.	Email 27/02/17
	Odour Management Plan v3 - only appendix E describing the Effluent Treatment Plant upgrade.	Email 27/02/17
	Greener waste consolidated response addressing questions 19-39 of the consolidated schedule 5 notice.	Email 27/02/17
	CQA 30280 Church Hill Farm CQA Plan. Plan 1097 DAF House floor. CQA 30280 Soakaway design. Consolidated response addressing questions 1-18 and 40 - 41 of the consolidated schedule 5 notice.	Email 01/03/17
	Final Odour Management Plan Revision 3.	Email 10/06/17
	Final Monitored Natural Attenuation Plan April 2017.	Email 05/05/17

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>Site surfacing, drainage and containment measures.</p> <p>The operator shall carry out an assessment of site surfacing, drainage and containment measures and their potential to cause fugitive emissions to surface water and groundwater.</p> <p>The operator shall submit a written report detailing the findings of the assessment to the Environment Agency for written approval. The report shall consider ‘Environmental management- guidance; Control & monitor emissions for your environmental permit’ and in particular the sections on Emissions to water and leaks from containers and any other relevant guidance.</p> <p>Where improvements need to be made to meet the guidance, the report shall propose improvements and timescales for implementation in agreement with the Environment Agency. The report shall also include a plan showing all the site surfacing and drainage.</p> <p>This improvement condition shall be deemed to have been completed upon approval from the Environment Agency of such report.</p>	Within 12 months of permit issue
IC2	<p>Energy efficiency</p> <p>The Operator shall submit a plan to improve energy efficiency at the site, using the Deltamech Energy Report dated March 2014 submitted in support of the Environmental Permit application.</p>	Within 12 months of permit issue.

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>The plan should consider all improvements, all identified energy saving initiatives, and dates for implementation. Where initiatives are not to be implemented the plan should provide a justification (on a cost/benefit basis) for non-implementation.</p> <p>This improvement condition shall be deemed to have been completed following submission of the report and approval from the Environment Agency.</p>	
IC3	<p>Blood Storage.</p> <p>The Operator shall carry out a review of the storage and collection of blood pending its removal off site. The review should consider the supplementary odour guidance (June 2010) for abattoirs and poultry processors and any other relevant guidance. It should also consider the following as a minimum:-</p> <ul style="list-style-type: none"> - Abatement for blood tank vents and back venting for road tankers (including any planned preventative maintenance schedules). - Overfill protection - Appropriate containment including secondary containment (e.g. bunding). <p>A written report shall be submitted to the Environment Agency. Where improvements need to be made to meet the guidance, the report shall propose details and timescales for their implementation and shall seek written agreement from the Environment Agency.</p> <p>This improvement condition shall be deemed to have been completed following submission of the report and approval from the Environment Agency.</p>	Within 12 months of permit issue
IC4	<p>Animal By-product storage.</p> <p>The Operator shall carry out a review of Animal By-Products collection and Storage on site. The review should consider the supplementary odour guidance (June 2010) for abattoirs and poultry processors and any other relevant guidance. It should also consider the following as a minimum :-</p> <ul style="list-style-type: none"> - Containment - Storage timescales - Housekeeping and cleaning measures for containers /storage areas. <p>A written report shall be submitted to the Environment Agency. Where improvements need to be made to meet the guidance, the report shall propose details and timescales for implementation which shall seek written agreement from the Environment Agency.</p> <p>This improvement condition shall be deemed to have been completed following submission of the report and approval from the Environment Agency.</p>	Within 12 months of permit issue
IC5	<p>Fuel Oil Storage</p> <p>a) The Operator shall submit a report providing details of the remediation for the area surrounding and beneath the current fuel oil storage area, it should include :</p> <ul style="list-style-type: none"> • Verification of the removal of contaminated soils. • Volume, quantity and destination of waste removed from site. <p>b) The Operator shall provide details for the improvement of the oil storage area to ensure it meets Best Available Techniques and the requirements of the oil storage regulations, the submission should include but not be limited to the :-</p>	Within 6 months of permit issue.

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<ul style="list-style-type: none"> • design standard for the container/tank and secondary bunding. • location including, if appropriate, any protection provided from vehicle impact. • capacity of the container/tank and secondary bund. <p>This improvement condition shall be deemed to have been completed following submission of the report/details and upon receipt of approval from the Environment Agency.</p>	
IC6	<p>Surface Impoundment/historical lagoon Area.</p> <p>The Operator shall provide a verification report by a CQA engineer to confirm all contaminated settled solids have been removed from the surface impoundment /lagoon area. The report should be supported with photographic evidence and details of the quantities/ volume of waste removed.</p> <p>This improvement condition shall be deemed to have been completed following submission of the verification report and approval from the Environment Agency.</p>	Within 12 months of issue
IC7	<p>Groundwater Monitoring points</p> <p>The Operator shall in accordance with section 4.1 of the Monitored Natural Attenuation Plan dated April 2017 install two additional groundwater monitoring boreholes (BH5 & BH6).</p> <p>Prior to installation of these monitoring boreholes the Operator shall submit a Construction Quality Assurance (CQA) plan to the Environment Agency for approval. The plan shall detail the proposed implementation methods and timescales for their completion.</p> <p>This improvement condition shall be deemed to have been completed following installation and submission of the groundwater boreholes logs for each of these new monitoring locations.</p>	Within 6 months of issue of the permit.
IC8	<p>Monitored Natural Attenuation Plan.</p> <p>a) The Operator shall carry out a review of the groundwater monitoring data collected in the 2 years following completion of the effluent treatment plant. The data should be assessed against the objectives provided in section 4.4.3 of the Monitored Natural Attenuation Plan dated April 2017. The aim is to achieve compliance levels at groundwater compliance monitoring points. The Operator should provide a report demonstrating groundwater compliance to the Environment Agency.</p> <p>b) In the event that groundwater compliance is not achieved the Operator should provide a contingency plan with timescales for implementation, this shall include, but not be limited to:-</p> <ul style="list-style-type: none"> • Further effluent treatment • Soakaway attenuation • Soil and/or groundwater remediation systems <p>This improvement condition shall be deemed to have been completed following :-</p>	Within 36 months of issue of the permit

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<ul style="list-style-type: none"> - submission of a report demonstrating groundwater compliance and approval from the Environment Agency; or - submission of a contingency plan and approval from the Environment Agency. 	
IC9	<p>Odour Management Plan</p> <p>Following the installation of the new ETP and completion of IC4 and IC5 (of this table) the Operator will review and update the Odour Management Plan.</p> <p>This improvement condition shall be deemed to have been completed following submission of the plan and approval from the Environment Agency.</p>	6 months following installation of the ETP.

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
1	New Effluent Treatment Plant	<p>At least one month before the start of the effluent plant operations the Operator shall submit a construction quality assurance report including but not limited to :-</p> <ul style="list-style-type: none"> • details of the CQA contractor/s • the specification of materials used in the construction of the lagoons/pond. • details of the construction of the lagoons/pond. • confirmation on what leak testing has been undertaken to ensure that following the construction of that the lagoons/pond the integrity has been assessed. <p>The operator shall seek written approval from the Environment Agency to confirm this condition has been achieved – prior to operating the new ETP.</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
Point A1 on site plan DR509 – Emission Points, dated August 2015	LPG Boiler Plant for heating and cleaning with an aggregated thermal input rating of less than 5MW.	No parameters set.	No limit set.	---	---	---
Point 8 chimney on drawing no.1224 rev1 entitled 'odour emanation' dated April 2017.	De-feather Area.	Odour.	---	---	---	---
Point 9 extraction fan vent on drawing no.1224 rev1 entitled 'odour emanation' dated April 2017.	De-feather Area.	Odour.	---	---	---	---
Point 10 extraction fan vent on drawing no.1224 rev1 entitled 'odour emanation' dated April 2017.	De-feather Area.	Odour.	---	---	---	---
Point 11 chimney on drawing no. 1224 rev1 entitled 'odour emanation' dated April 2017.	Foot scalding area.	Odour.	---	---	---	---
Point 14 vent on drawing no. 1224 rev1 entitled	Effluent sludge storage tank.	Odour	---	---	---	---

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
'odour emanation dated April 2017						

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
Outlets to Soakaways shown on drawing no. DR508 dated August 2014	Clean yard and roof water	No parameters set.	No limit set.	---	---	---
W1 infiltration pond soakaway shown on drawing no. 1224 rev1 entitled 'odour emanation' dated April 2017.	Effluent Treatment Plant Note 1	pH	---	spot sample	Weekly ^{Note2}	BS ISO 10523
		Maximum daily discharge volume.	260 m ³ /day	Total daily volume		---
		BOD	20 mg/l	spot sample		BS EN 1899-1
		COD	---	spot sample		BS 6068 – 2.34
		Ammoniacal nitrogen (as N)	5 mg/l	spot sample		BS EN ISO 11732
		Suspended solids	---	spot sample		BS EN 872
		Nitrate	---	Spot sample		BS EN ISO 13395
		Visible oil or grease.	No significant trace present so far as is reasonably practicable	visual examination		---

Note 1-Monitoring and ELVs apply following commissioning of the effluent treatment plant.

Note2 Monitoring frequency weekly initially, can be changed to monthly following written agreed with the Environment Agency.

Table S3.3 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	Parameter	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Groundwater Borehole 2 as shown on Figure 3-1 Monitored Natural Attenuation Plan April 2017. (down-gradient groundwater compliance point)	pH	---	Spot Sample	Monthly ^{Note2}	BS ISO 10523
	BOD	5 mg/l ^{Note 1}			BS EN 1899-1
	COD	---			BS 6068– 2.34
	Ammoniacal nitrogen (as N)	0.5 mg/l ^{Note 1}			BS EN ISO 11732
	Nitrate	50 mg/l ^{Note 1}			BS EN ISO 13395
	Nitrite	0.5 mg/l ^{Note 1}			BS EN ISO 13395
	Suspended Solids	---			BS EN 872
Groundwater water Borehole 3 shown on Figure 3-1 Monitored Natural Attenuation Plan April 2017. (down-gradient groundwater compliance point)	pH	---	Spot Sample	Monthly ^{Note2}	BS ISO 10523
	BOD	5.5 mg/l ^{Note 1}			BS EN 1899-1
	COD	---			BS 6068– 2.34
	Ammoniacal nitrogen (as N)	0.72 mg/l ^{Note 1}			BS EN ISO 11732
	Nitrate	50 mg/l ^{Note 1}			BS EN ISO 13395
	Nitrite	0.5 mg/l ^{Note 1}			BS EN ISO 13395
	Suspended Solids	---			BS EN 872
Groundwater water Borehole 5 shown on Figure 3-1 Monitored Natural Attenuation Plan April 2017. ^{Note3}	pH	---	Spot Sample	Monthly ^{Note2}	BS ISO 10523
	BOD	5 mg/l ^{Note 1}			BS EN 1899-1
	COD	---			BS 6068– 2.34
	Ammoniacal nitrogen (as N)	0.5 mg/l ^{Note 1}			BS EN ISO 11732

Table S3.3 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	Parameter	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
(sentinel or early warning groundwater point)	Nitrate	50 mg/l ^{Note 1}			BS EN ISO 13395
	Nitrite	0.5 mg/l ^{Note 1}			BS EN ISO 13395
	Suspended Solids	---			BS EN 872
Groundwater water Borehole 6 shown on Figure 3-1 Monitored Natural Attenuation Plan April 2017. ^{Note3}	pH	---	Spot Sample	Monthly ^{Note2}	BS ISO 10523
	BOD	5.5 mg/l ^{Note 1}			BS EN 1899-1
	COD	---			BS 6068– 2.34
	Ammoniacal nitrogen (as N)	0.72 mg/l ^{Note 1}			BS EN ISO 11732
	Nitrate	50 mg/l ^{Note 1}			BS EN ISO 13395
	Nitrite	0.5 mg/l ^{Note 1}			BS EN ISO 13395
	Suspended Solids	---			BS EN 872

Note 1 – ELVs apply following completion of IC8a (Table S1.3) monitored natural attenuation plan

Note 2 – Monitoring frequency monthly initially, can be changed following written agreed with the Environment Agency.

Note 3– Monitoring will only apply following completion of IC7 (table S1.3) installation of groundwater borehole 5 & 6.

Table S3.4 Groundwater – other monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Groundwater Borehole 1 shown on Figure 3-1 Monitored Natural Attenuation Plan April 2017 (Upgradient groundwater monitoring point.)	pH	Monthly	BS ISO 10523	---
	BOD		BS EN 1899 -1	---
	COD		BS 6068	---
	Ammoniacal nitrogen (as N)		BS EN ISO 11732	---
	Nitrate		BS EN ISO 13395	---
	Nitrite		BS EN ISO 13395	----
	Suspended solids		BS EN 872	----

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
Emissions to groundwater Parameters as required by condition 3.5.1	W1	Every 3 months <small>Note1</small>	1 January , 1 April, 1 July, 1 October.
Groundwater monitoring Parameters as required by condition 3.5.1	BH1,BH2, BH3, BH5 and BH6	Every 3 months <small>Note 1</small>	1 January , 1 April, 1 July, 1 October.

Note 1 – or other period as agreed by the Environment Agency

Table S4.2: Annual production/treatment	
Parameter	Units
Poultry product (packaged)	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	M ³
Energy usage	Annually	MWh
Waste disposal and/or recovery	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Waste return	Form R1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY

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	EPR/WP3831VY
Name of operator	T Soanes & Son (Poultry) Ltd
Location of Facility	Church Hill Farm
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 unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

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

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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 or background concentration limit.

“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.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

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

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

Pests” means Birds, Vermin and Insects.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

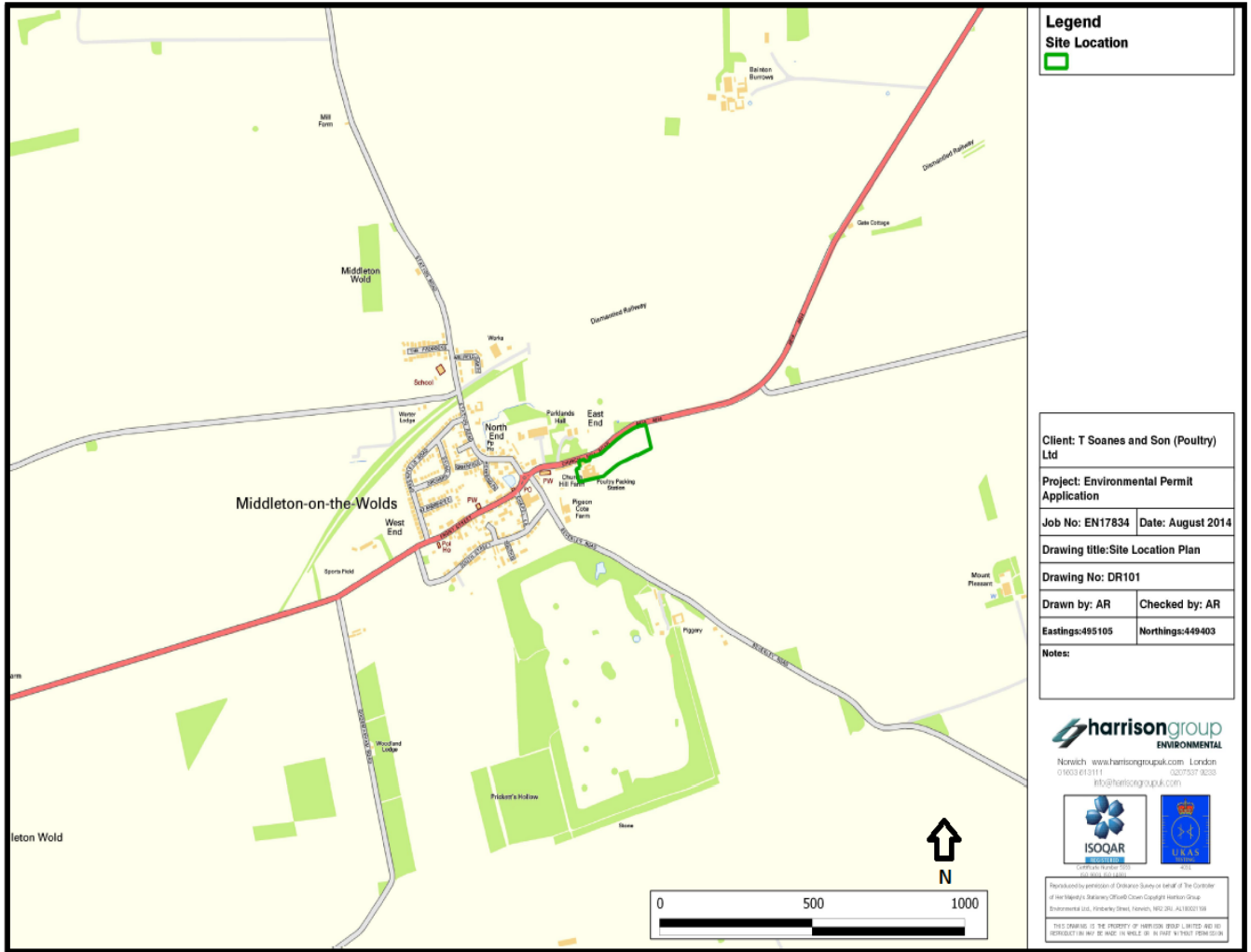
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan

Site location plan



END OF PERMIT