



# Permit with introductory note

## The Environmental Permitting (England & Wales) Regulations 2016

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Anglian Water Services Limited  
Spalding Water Recycling Centre  
West Marsh Road  
Spalding  
Lincolnshire  
PE11 2BB

### **Permit number**

EPR/KB3003GQ

# Spalding Water Recycling Centre

## Permit number EPR/KB3003GQ

### Introductory note

#### This introductory note does not form a part of the permit

The main features of the permit are as follows.

This is a bespoke waste permit for:

- i. Direct discharge to the head of the Wastewater Treatment Works (WwTW) of imported tankered wastes.
- ii. Storage and transfer of digested cake. The digested cake that is imported to site has undergone anaerobic digestion treatment at one of Anglian Water's Sludge Treatment Centres and is stored on the cake pad before it is spread to land under a separate authorisation. There is no treatment of the digested cake undertaken at the site.

The total annual throughput is 100,000 tonnes, divided as below:

- Direct discharge to the head of the WwTW of imported tankered wastes activity is less than 40,000 tonnes per year
- Digested cake storage activity is less than 60,000 tonnes per year, with 4,000 tonnes of digested cake stored on the cake storage pad at any one time.

The site also accepts individual loads of the following wastes which can be discharged to the head of the WwTW without a permit under Regulation 3(2)(a) of Controlled Waste Regulations 2012 and are therefore not covered by this permit.

- 16 10 02 - aqueous liquid wastes other than those mentioned in 16 10 01 - cesspool waste not containing chemicals (without blue loo chemicals)
- 19 08 05 – sludges from treatment of urban waste water consisting only of raw untreated sludge from waste water treatment plants.
- 20 03 04 - septic tank sludge (without blue loo chemicals)

The WwTW treatment process is not included in this bespoke permit, as this operates under the Urban Wastewater Treatment Directive.

The site has a standalone Water Discharge Activity Environmental Permit which will remain an independent permitted activity (AW5TS741). The site is located at grid reference TF 26138 25090.

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/KB3003GQ/A001	Duly made 27/02/2024	Application for a bespoke permit for the direct discharge of tankered wastes to the head of the waste water treatment works and the storage and transfer of digested cake solids.

Status log of the permit		
Description	Date	Comments
Additional information received in response to Schedule 5 dated 18/04/2024	27/05/2024	The following documents were received: <ul style="list-style-type: none"> <li>• Schedule 5 response excel spreadsheet</li> <li>• Response to individual questions to support Schedule 5 response excel spreadsheet</li> <li>• Main Supporting Document v 2.2</li> <li>• Non-Technical Summary v 1.2</li> <li>• Environmental Risk Assessment dated 28/05/2024</li> <li>• Permit boundary plan</li> <li>• Site infrastructure plan</li> <li>• Odour Management Plan v 2 dated 28/05/2024</li> </ul>
Additional information received in response to RFI 1 dated 03/09/2024	17/09/2024	Revised Odour management plan v 3 dated 16/09/2024
Additional information received in response to RFI 2 dated 31/10/2024	13/11/2024	Revised Site infrastructure plan identifying emission sampling points.
Additional information received in Email dated 19/06/2025.	19/06/2025	Confirmation of description of waste code 19 08 05.
Additional information received in response to RFI 3 dated 17/06/2025	24/06/2025	Confirmation of the <a href="#">construction of the cake pad</a> and confirmation that waste code 19 08 05 is accepted tankered into site as a single waste stream.
Additional information received in response to RFI 4 dated 26/06/2025	03/07/2025	Waste transfer note provided for waste code 19 08 05
Additional information received in response to Email dated 02/07/2025	06/07/2025	Confirmation that waste code 20 03 04 is accepted tankered into site as a single waste stream.
Additional information received in response to Email dated 15/07/2025	18/07/2025	Confirmation that both 20 03 04 and 19 08 05 are to be excluded under the controlled Waste Regulations 2012. Confirmation that 19 08 05 is untreated sludge from wastewater treatment plant.
Additional information received to a verbal request. Email response dated 12/11/2025.	12/11/2025	Confirmation that discharge does not occur in storm conditions and the division of throughput is Head of works 40,000 tpa & digested cake is 60,000 tpa
Additional information received in response to Email dated 23/10/2025	18/11/2025	Bioaerosol Risk Assessment <a href="#">Version 1</a> .
Permit determined EPR/KB3003GQ	08/01/2026	Permit issued to Anglian Water Services Limited.

End of introductory note

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/KB3003GQ**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

**Anglian Water Services Limited** (“the operator”),

whose registered office is

Lancaster House  
Lancaster Way  
Ermine Business Park  
Huntingdon  
Cambridgeshire  
PE29 6XU

company registration number 02366656

to operate waste operations at

**Spalding Water Recycling Centre**  
**West Marsh Road**  
**Spalding**  
**Lincolnshire**  
**PE11 2BB**

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

Name	Date
Janet Robb	08/01/2026

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.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

### 1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 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.
- 1.2.2 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 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2 tables S2.1 or S2.2; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

## **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 table S3.1.

3.1.2 The limits given in schedule 3 shall not be exceeded.

## **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.

### **3.3 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.
- 3.4.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
  - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **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 table S3.1.
  - (b) bioaerosols monitoring specified in table S3.2.
- 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 3.3.1 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 S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

### **3.6 Bioaerosols**

- 3.6.1 The operator shall take all appropriate measures, to prevent or where that is not practicable to minimise the release of bioaerosols. Emissions of bioaerosols from the operational activities shall not exceed the emission action levels specified in table S3.2
- 3.6.2 The operator shall where the emission action levels are exceeded:
- a) notify the Environment Agency and investigate and take remedial action;
  - b) submit to the Environment Agency for approval within the period specified, a bioaerosols management plan which identifies and minimises the risks of pollution from bioaerosols; and

- c) implement the bioaerosols management plan from the date of approval and revise the plan periodically, unless otherwise agreed in writing by the Environment Agency.

## **3.7 Pests**

3.7.1 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.

3.7.2 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;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3.8 Fire prevention**

3.8.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

3.8.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
- (b) implement the fire prevention 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 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.
- 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.

## 4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) 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;
  - (b) the breach of a limit specified in the permit; or
  - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 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:
- (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.

4.3.5 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.

## **4.4 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 “without delay”, in which case it may be provided by telephone.

# Schedule 1 – Operations

<b>Table S1.1 activities</b>		
<b>Activity reference</b>	<b>Description of activities for waste operations</b>	<b>Limits of activities</b>
AR1 - Head of works as a waste operation (includes discharge only).	D13: Blending or mixing prior to submission to any of the operations numbered D1 to D12	<p>Operations shall be limited to the import of tankered liquid and sludge waste to site and discharged directly into the head of the wastewater treatment works.</p> <p>Treatment is limited to blending and mixing without significantly altering the nature of the waste.</p> <p>Blending and mixing shall not be undertaken to achieve a reaction or a dilution of contaminants.</p> <p>Discharge of tankered liquid and sludge waste shall take place on an impermeable surface with a sealed drainage system.</p> <p>Waste types as specified in Table S2.1</p>
AR2 - Non-hazardous waste transfer station (cake storage and transfer)	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)	<p>The transfer of digested cake into and off site and the storage of digested cake on the cake pad storage area.</p> <p>Digested cake shall be stored on an impermeable surface with sealed drainage system.</p> <p>Storage of digested cake shall not exceed 4,000 tonnes at any one time.</p> <p>There shall be no treatment of wastes at the site.</p> <p>Waste shall be stored for no longer than 12 months prior to recovery.</p> <p>Waste types as specified in Table S2.2</p>

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Additional information received in response to RFI 1 dated 03/09/2024	Approved Odour management plan v 3 dated 16/09/2024	17/09/2024
Additional information received in response to Email dated 23/10/2025.	Approved Site Specific Bioaerosol Risk Assessment v1 dated 18/11/2025	18/11/2025
<p>Biological Waste Treatment Appropriate Measures for permitted facilities.</p> <p>Version published 21<sup>st</sup> September 2022</p> <p>Updated 25<sup>th</sup> November 2024</p>	<p>All relevant parts of the Biological Waste: appropriate measures for permitted facilities guidance shall apply other than:</p> <ul style="list-style-type: none"> <li>• those parts to which an improvement programme requirement applies in Table S1.3 (and only until the date that the improvement has been or must be met, whichever is the earlier.)</li> </ul>	N/A
<p>Non-hazardous and Inert waste: appropriate measures for permitted facilities.</p> <p>Version published 12<sup>th</sup> July 2021.</p> <p>Updated 1<sup>st</sup> August 2023</p>	<p>All relevant parts of the Non-hazardous and inert waste: appropriate measures for permitted facilities guidance shall apply other than:</p> <ul style="list-style-type: none"> <li>• those parts to which an improvement programme requirement applies in Table S1.3 (and only until the date that the improvement has been or must be met, whichever is the earlier.)</li> </ul>	N/A

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
<b>Improvement condition for establishing an inventory of liquid/sludge waste streams discharged from the Head of works waste operation activity (AR1)</b>		
IC1a	<p>The operator shall submit a sampling programme in relation to liquid/sludge waste streams that are to be discharged to emission point S1 and shall obtain the Environment Agency's written approval to it. The sampling programme shall be designed to fully characterise the liquid/sludge waste discharged to Spalding wastewater treatment works (WwTW) from emission point S1 in table S3.1 of the permit.</p> <p>The programme shall include but not be limited to a methodology for gathering a representative chemical pollutant suite of analysis of all incoming waste, that will be discharged to emission point S1, for a minimum period of 12 months.</p> <p>A minimum of 12 spot samples from each waste producer shall be taken, provided the liquid/sludge waste is appropriately mixed, homogeneous, and is representative of the specific waste stream being discharged.</p> <p>The programme shall detail the sampling methods/standards and limits of detection (LOD)/minimum reporting values (MRV) used. Waste Characterisation sampling methods shall be in accordance with guidance, <i>Non-hazardous and inert waste: appropriate measures for permitted facilities and Biological waste treatment: appropriate measures for permitted facilities</i>, and shall fully characterise the liquid/sludge waste streams, including as a minimum for each waste stream the:</p> <ul style="list-style-type: none"> <li>• Maximum, minimum and average values and variability of flow, pH, temperature and conductivity. Flow rates shall be based upon the capability of the discharging tanker.</li> <li>• Chemical names, the units of measurement, maximum, minimum and average concentration and load values of all substances that have an environmental quality standard (EQS) or ecotoxic properties, and their variability.</li> <li>• Total and dissolved metals data</li> <li>• Data on bioeliminability.</li> <li>• Information on the liquid/sludge waste stream source</li> <li>• National Grid Reference (NGR) of the sampling point</li> </ul> <p>The sampling programme shall be produced in accordance with the following Environment Agency guidance:</p> <ul style="list-style-type: none"> <li>• Section 3 (Waste pre-acceptance, acceptance and tracking) of guidance <i>Non-hazardous and inert waste: appropriate measures for permitted facilities</i></li> </ul>	<p><b>Submission of sampling programme</b> 08/04/2026 or such other date as may be agreed in writing with the Environment Agency</p> <p><b>Quarterly sampling data results at three monthly intervals</b></p> <p>Quarter 1 Initial sampling data results submitted 3 months from the date the Environment Agency approves the sampling programme or such other date as may be agreed in writing with the Environment Agency</p> <p>Quarter 2 Sampling data results submitted 6 months from the date the Environment Agency approves the sampling programme or such other date as may be agreed in writing with the Environment Agency</p> <p>Quarter 3 Sampling data results submitted 9 months from the date the Environment Agency approves the sampling programme or such other date as may be agreed in writing with the Environment Agency</p>

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<ul style="list-style-type: none"> <li>Section 6 (<i>Waste pre-acceptance, acceptance and tracking</i>) of guidance <u><i>Biological waste treatment: appropriate measures for permitted facilities</i></u></li> <li>Specific substances and priority hazardous substances – <u><i>Surface water pollution risk for your environmental permit</i></u> <u><i>Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk)</i></u>.</li> <li><u><i>Monitoring discharges to water: guidance on selecting a monitoring approach</i></u> <u><i>Monitoring discharges to water: guidance on selecting a monitoring approach - GOV.UK (www.gov.uk)</i></u></li> <li><u><i>Monitoring discharges to water: CEN and ISO monitoring methods</i></u> <u><i>Monitoring discharges to water: CEN and ISO monitoring methods - GOV.UK (www.gov.uk)</i></u></li> </ul> <p>The sampling programme shall be carried out as approved by the Environment Agency.</p> <p>Sampling data for each waste stream shall be collected in line with the approved sampling programme and submitted to the Environment Agency within the sampling progress report deadlines.</p>	<p>Quarter 4</p> <p>Final sampling data results submitted 12 months from the date the Environment Agency approves the sampling programme or such other date as may be agreed in writing with the Environment Agency</p>
IC1b	<p>The operator shall submit a report for audit and approval by the Environment Agency, following completion of the sampling programme referred to in IC1a. The report shall include but shall not be limited to:</p> <ul style="list-style-type: none"> <li>the raw data used to undertake the screening,</li> <li>a summary of the sample results,</li> <li>a completed H1 risk assessment or equivalent risk assessments and</li> <li>modelling outputs where appropriate</li> </ul> <p>in order to assess the impact from each individual liquid/sludge waste stream discharged to emission point S1.</p> <p>The operator shall provide conclusions on whether the liquid/sludge wastes discharged to emission point S1 will have any adverse impact on the receiving waters once discharged from Spalding WwTW. An assessment shall be made against the parameters identified in IC1a and against the relevant Environmental Quality Standards (EQS) or Predicted No Effect Concentrations (PNECs) (for substances that have ecotoxic properties but no established EQS) as specified within Environment Agency guidance as follows:</p> <ul style="list-style-type: none"> <li>Specific substances and priority hazardous substances – <u><i>Surface water pollution risk for your environmental permit</i></u> <u><i>Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk)</i></u>.</li> </ul>	<p>Within 6 months of the submission of the final sampling data results submitted under IC1a or such other date as may be agreed in writing with the Environment Agency</p>

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<ul style="list-style-type: none"> <li>Sanitary substances – <i>H1 annex D2: assessment of sanitary and other pollutants in surface water discharges 1076 14 H1 Annex D2 - Assessment of sanitary and other pollutants within Surface Water Discharges</i> (<a href="http://publishing.service.gov.uk">publishing.service.gov.uk</a>).</li> <li>H1 risk assessment tool ADMLC <a href="https://admlc.com/h1-tool/">https://admlc.com/h1-tool/</a></li> </ul> <p>The report shall include proposals for any additional measures/abatement required to prevent or minimise any significant emissions from the waste operation.</p> <p>The operator shall implement the proposals in the report in accordance with the timescales as approved in writing by the Environment Agency.</p>	
IC1c	<p>The operator shall submit a report that provides written confirmation to the Environment Agency that the proposed improvements identified within the report approved under IC1b have been implemented and completed in accordance with the Environment Agency's written approval.</p> <p>(Note, approval of reports under this improvement condition does not preclude the need for permit variation application(s) to operate the improvements identified in the report and/or include any necessary emission limit values).</p>	<p>Within 6 months of the report in relation to IC1b being submitted to the Environment Agency or such other date as may be agreed in writing with the Environment Agency</p>

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
<b>Improvement condition for establishing an inventory of liquid waste waters discharged from areas where digested cake is transferred and stored (AR2).</b>		
IC2a	<p>The operator shall submit a sampling programme in relation to waste waters that are to be discharged to emission point S2 and shall obtain the Environment Agency's written approval to it. The sampling programme shall be designed to fully characterise the waste waters discharged to Spalding wastewater treatment works (WwTW) from emission point S2 in table S3.1 of the permit.</p> <p>The programme shall include but not be limited to a methodology for gathering a representative chemical pollutant suite of analysis of the waste waters, that will be discharged to emission point S2, for a minimum period of 12 months.</p> <p>A minimum of 12 spot samples from the waste waters shall be taken, provided the waste waters produced from the cake transfer and storage areas is appropriately homogeneous, and is representative of the waste waters being discharged.</p>	<p><b>Submission of sampling programme</b></p> <p>08/04/2026 of this permit or such other date as may be agreed in writing with the Environment Agency</p> <p><b>Quarterly sampling data results at three monthly intervals</b></p> <p>Quarter 1</p> <p>Initial sampling data results submitted 3 months from the date the Environment Agency</p>

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>The programme shall detail the sampling methods/standards and limits of detection (LOD)/minimum reporting values (MRV) used. Waste water characterisation sampling methods shall be in accordance with guidance, <u>Non-hazardous and inert waste: appropriate measures for permitted facilities</u> and <u>Biological waste treatment: appropriate measures for permitted facilities</u>, and shall fully characterise the waste waters, including as a minimum the:</p> <ul style="list-style-type: none"> <li>• Maximum, minimum and average values and variability of flow, pH, temperature and conductivity. Flow rates shall be determined in accordance with the Environment Agency's guidance on intermittent discharges <u>Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk)</u>.</li> <li>• Chemical names, the units of measurement, maximum, minimum and average concentration and load values of all substances that have an environmental quality standard (EQS) or ecotoxic properties, and their variability.</li> <li>• Total and dissolved metals data</li> <li>• Data on bioeliminability.</li> <li>• Information on the waste water source</li> <li>• National Grid Reference (NGR) of the sampling point.</li> </ul> <p>The sampling programme shall be produced in accordance with the following Environment Agency guidance:</p> <ul style="list-style-type: none"> <li>• <u>Non-hazardous and inert waste: appropriate measures for permitted facilities</u></li> <li>• <u>Biological waste treatment: appropriate measures for permitted facilities</u></li> <li>• Specific substances and priority hazardous substances – <u>Surface water pollution risk for your environmental permit Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk)</u>.</li> <li>• <u>Monitoring discharges to water: guidance on selecting a monitoring approach Monitoring discharges to water: guidance on selecting a monitoring approach - GOV.UK (www.gov.uk)</u></li> <li>• <u>Monitoring discharges to water: CEN and ISO monitoring methods Monitoring discharges to water: CEN and ISO monitoring methods - GOV.UK (www.gov.uk)</u></li> </ul> <p>The sampling programme shall be carried out as approved by the Environment Agency.</p>	<p>approves the sampling programme or such other date as may be agreed in writing with the Environment Agency</p> <p>Quarter 2</p> <p>Sampling data results submitted 6 months from the date the Environment Agency approves the sampling programme or such other date as may be agreed in writing with the Environment Agency</p> <p>Quarter 3</p> <p>Sampling data results submitted 9 months from the date the Environment Agency approves the sampling programme or such other date as may be agreed in writing with the Environment Agency</p> <p>Quarter 4</p> <p>Final sampling data results submitted 12 months from the date the Environment Agency approves the sampling programme or such other date as may be agreed in writing with the Environment Agency</p>

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	Sampling data for each waste stream shall be collected in line with the approved sampling programme and submitted to the Environment Agency within the sampling progress report deadlines.	
IC2b	<p>The operator shall submit a report for audit and approval by the Environment Agency, following completion of the sampling programme referred to in IC2a. The report shall include but shall not be limited to:</p> <ul style="list-style-type: none"> <li>• the raw data used to undertake the screening,</li> <li>• a summary of the sample results,</li> <li>• a completed H1 risk assessment or equivalent risk assessments and</li> <li>• modelling outputs where appropriate</li> </ul> <p>in order to assess the impact from the waste waters discharged from the cake transfer and storage areas to emission point S2.</p> <p>The operator shall provide conclusions on whether the waste waters discharged to emission point S2 will have any adverse impact on the receiving waters once discharged from Spalding WwTW. An assessment shall be made against the parameters identified in IC2a and against the relevant Environmental Quality Standards (EQS) or Predicted No Effect Concentrations (PNECs) (for substances that have ecotoxic properties but no established EQS) as specified within Environment Agency guidance as follows:</p> <ul style="list-style-type: none"> <li>• Specific substances and priority hazardous substances – <i>Surface water pollution risk for your environmental permit</i> <a href="#">Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk)</a>.</li> <li>• Sanitary substances – <i>H1 annex D2: assessment of sanitary and other pollutants in surface water discharges 1076 14 H1 Annex D2 - Assessment of sanitary and other pollutants within Surface Water Discharges</i> (<a href="#">publishing.service.gov.uk</a>).</li> <li>• H1 risk assessment tool ADMLC <a href="https://admlc.com/h1-tool/">https://admlc.com/h1-tool/</a></li> </ul> <p>The report shall include written procedures detailing the site's contingency arrangements to prevent waste waters being discharged from emission point S2 to the WwTW whilst the WwTW is in storm conditions and proposals for any additional measures/abatement required to prevent or minimise any significant emissions from the waste operation.</p> <p>The operator shall implement the proposals in the report in accordance with the timescales as approved in writing by the Environment Agency.</p>	Within 6 months of the submission of the final sampling data results submitted under IC2a or such other date as may be agreed in writing with the Environment Agency

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC2c	<p>The operator shall submit a report that provides written confirmation to the Environment Agency that the proposed improvements identified within the report approved under IC2b have been implemented and completed in accordance with the Environment Agency's written approval.</p> <p>(Note, approval of reports under this improvement condition does not preclude the need for permit variation application(s) to operate the improvements identified in the report and/or include any necessary emission limit values).</p>	<p>Within 6 months of the report in relation to IC2b being submitted to the Environment Agency or such other date as may be agreed in writing with the Environment Agency</p>

Table S1.4 Pre-operational measures		
Reference	Operation	Pre-operational measures
<p><b>Pre-operational condition to submit an assessment of the fate and impact of new liquid/sludge waste streams not previously accepted, and that change the risk of the liquid/sludge waste streams to be discharged under existing waste codes as specified in Table S2.1</b></p>		
PO1	AR1	<p>Prior to accepting new liquid/sludge waste streams under activity AR1 for existing permitted waste codes identified in table S2.1 for discharge into the head of works (emission point S1), the operator shall undertake an assessment of the fate and impact on the receiving waters by updating the environmental risk assessment established in IC1b, the additional measures/abatement implementation plan as approved under IC1b and in accordance with the sampling programme as approved under IC1a.</p> <p>Acceptance of the new liquid/sludge waste streams under existing waste codes shall only commence following submission of the above risk assessment and any recommendations for additional measures/abatement considered to be required, written approval from the Environment Agency and the submission of written confirmation to the Environment Agency that any additional measures/abatement considered to be required have been implemented and completed as approved.</p>

## Schedule 2 – Waste types

Table S2.1 Permitted waste types and quantities for activity AR1- Head of works as a waste operation (includes discharge only).	
Maximum quantity	The total quantity of waste accepted at the site for the above activity AR1 shall be less than 40,000 tonnes a year.
Exclusions	<p>Wastes having the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> <li>• Wastes which contain persistent organic pollutants (POPs) above the thresholds specified within the Persistent Organic Pollutants Regulations 2007.</li> <li>• Solid wastes (only wastes of liquid free flowing form shall be accepted).</li> </ul>
Waste code	Description
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 10</b>	<b>aqueous liquid wastes destined for off-site treatment</b>
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01 - domestic cesspool waste containing chemicals (blue loo chemicals)
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>
19 09 02	sludges from water clarification

Table S2.2 Permitted waste types and quantities for activity AR2- storage and transfer of digested cake.	
Maximum quantity	The total quantity of waste accepted at the site for the above activity AR2 shall be less than 60,000 tonnes a year.
Exclusions	<p>Wastes having the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> <li>• Wastes which contain persistent organic pollutants (POPs) above the thresholds specified within the Persistent Organic Pollutants Regulations 2007.</li> </ul>
Waste code	Description
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 06	digestate from anaerobic treatment of animal and vegetable waste (sewage sludge only)

## Schedule 3 – Emissions and monitoring

<b>Table S3.1 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 on site plan in Schedule 7 emission to River Welland via Spalding WwTW	Discharge of tankered waste waters to the head of the WwTW.	- [Note 1] -	- [Note 1] -	- [Note 1]-	- [Note 1] -	- [Note 1] -
S2 on site plan in Schedule 7 emission to River Welland via Spalding WwTW	Waste waters from areas where digested cake is transferred and stored.	- [Note 2] -	- [Note 2] -	- [Note 2] -	- [Note 2] -	- [Note 2] -
<p>Note 1 – Emission limits and monitoring requirements to be set following completion of IC1a and IC1b.            Note 2 – Emission limits and monitoring requirements to be set following completion of IC2a and IC2b.</p>						

<b>Table S3.2 Bioaerosol monitoring requirements – ambient monitoring</b>					
<b>Location or description of point of measurement</b>	<b>Parameter</b>	<b>Bioaerosol action levels (CFU m-3)</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Upwind of the operational area, as described in the Technical Guidance Note M9	Total bacteria	1000 <sup>Note 1</sup>	Twice a year, unless another frequency is required and agreed in writing by the Environment Agency <sup>Note 2</sup>	In accordance with Technical Guidance Note M9 – Environment monitoring of bioaerosols at regulated facilities	As described in the Technical Guidance Note M9, including all the additional data requirements specified therein.
Downwind of the operational area, as described in the Technical Guidance Note M9	Aspergillus Fumigatus	500 <sup>Note 1</sup>			
<p>Note 1 – The bioaerosols action levels are only applicable at downwind sampling locations equivalent to the distance of the nearest sensitive receptor. Where these action levels are elevated, the operator must take action to mitigate the impact on sensitive receptors. Assessment of compliance will be based on risk and in line with guidance.            Note 2 – Where the bioaerosols action levels are exceeded, then monitoring shall be completed as agreed in writing by the Environment Agency</p>					

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Point source emissions to sewer Parameters as required by condition 3.5.1	S1	Upon completion of IC1a and IC1b	Upon completion of IC1a and IC1b
Point source emissions to sewer Parameters as required by condition 3.5.1	S2	Upon completion of IC2a and IC2b	Upon completion of IC2a and IC2b
Bioaerosol monitoring Parameters as required by condition 3.5.1	As specified in schedule 3 table S3.2	As per condition 3.6.2, if action levels are being exceeded notify the Environment Agency. Reporting should be submitted within 28 days of monitoring being completed or as agreed in writing by the Environment Agency	Within 28 days of monitoring being completed or as agreed in writing by the Environment Agency

<b>Table S4.2 Reporting forms</b>		
<b>Parameter</b>	<b>Reporting form</b>	<b>Form version number and date</b>
Bioaerosols	As specified in the Technical Guidance Note M9 or other form as agreed in writing by the Environment Agency	--

## 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	
Substance(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>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Measures taken, or intended to be taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
Description of where the effect on the environment was detected	
Substance(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.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

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

“Annex I” means Annex I to the Waste Framework Directive.

“Annex II” means Annex II to the Waste Framework Directive.

“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.

“bioaerosols action levels” means the maximum acceptable bioaerosol concentrations at the nearest sensitive receptor, or at an equivalent distance downwind of the biowaste treatment operations, which are attributable to the biowaste treatment operations. The maximum acceptable concentrations are respectively 1000 and 500 CFU m<sup>-3</sup> for total bacteria and *Aspergillus fumigatus*. Where these action levels are elevated, the operator must take action to mitigate the impact on sensitive receptors.

“D” means a disposal operation provided for in Annex I to the Waste Framework Directive.

“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 or background concentration 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 waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface and should be read in conjunction with the term “sealed drainage system”.

“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.

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

“nearest sensitive receptors” means the nearest place to the permitted activities where people are likely to be for prolonged periods. This term would therefore apply to dwellings (including any associated gardens) and to many types of workplaces. We would not normally regard a place where people are likely to be present for less than 6 hours at one time as being a sensitive receptor. The term does not apply to those controlling the permitted facility, their staff when they are at work or visitors to the facility, as their health is covered by Health and Safety at Work legislation, but would apply to dwellings occupied by the family of those controlling the facility.

“pests” means birds, vermin and insects.

“POPs Regulations” means the Persistent Organic Pollutants Regulations SI 2007 No.3106. Thresholds for Persistent Organic Pollutants are specified in pollutants. Published on 19<sup>th</sup> December 2022 and updated on 8<sup>th</sup> May 2025.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex II to the Waste Framework Directive.

“sealed drainage system” in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquids will run off the surface otherwise than via the system
- except where they may be lawfully discharged to foul sewer, all liquids entering the system are collected in a sealed sump

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table S2.1 or table S2.2, for those tables, they have the meaning given below:

“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“heavy metal” means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances.

“PCBs” means

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight.

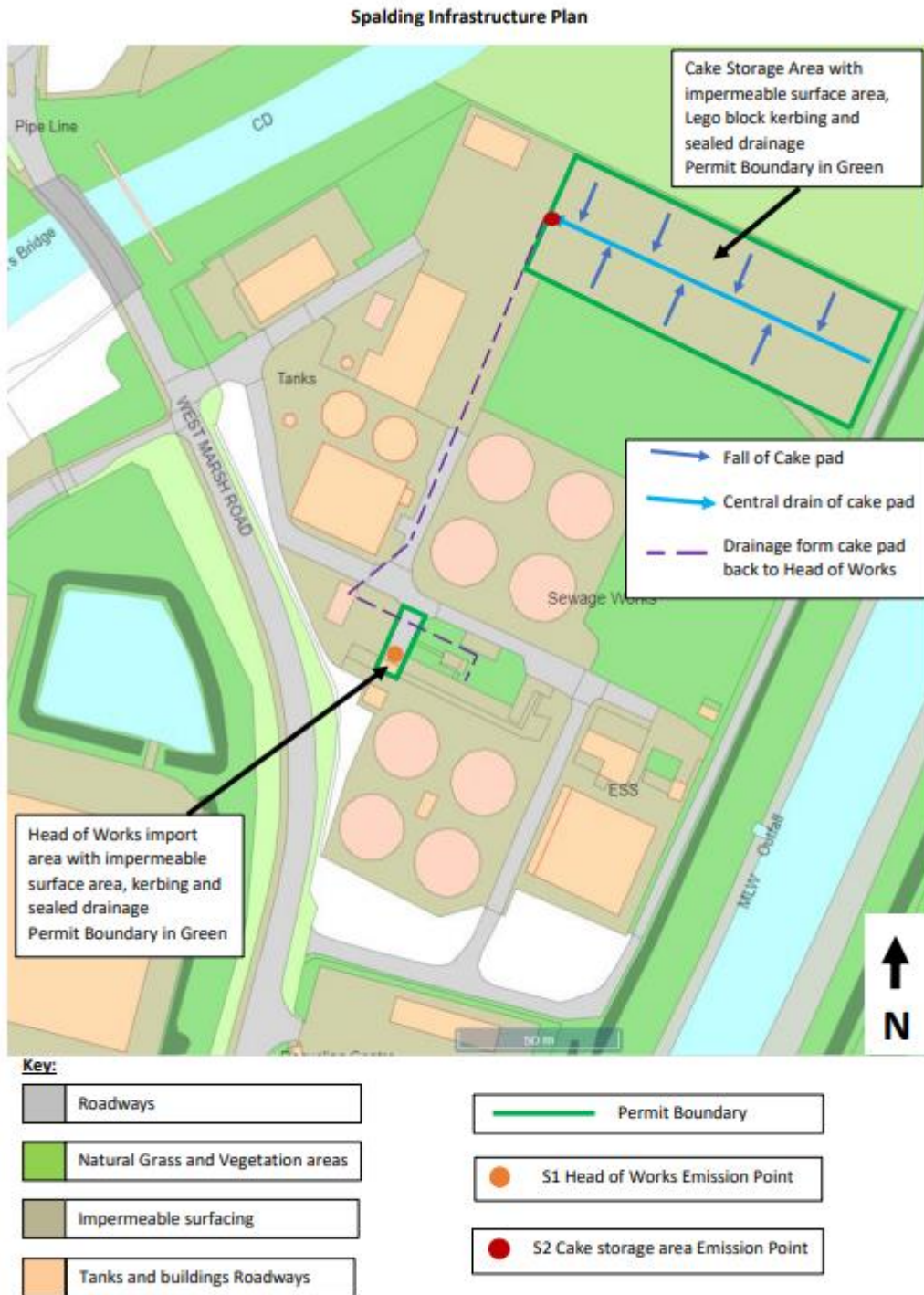
“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances.

“stabilisation” means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste.

“solidification” means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste.

“partly stabilised wastes” means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term.

# Schedule 7 – Site plan



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