

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Yorkshire Water Services Limited
Wheldale Sludge Treatment Facility
Wheldale WWTW
Wheldon Road
Wheldale
Castleford
West Yorkshire
WF10 2PP

Variation application number

EPR/KP3636LU/V004

Permit number

EPR/KP3636LU

Wheldale Sludge Treatment Facility

Permit number EPR/KP3636LU

Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

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

The operator has made an application for variation to environmental permit EPR/KP3636LU that sees an extension to the site boundary to accommodate the addition of further sludge treatment plant to facilitate an increased throughput for the treatment of sludge on site. The activities involved in the processing of sludge will not change from those that already exist on site.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application KP3636LU (EPR number KP3636LU/A001)	Duly made 28/11/06	
Additional Information received from Mike Ward – Yorkshire Water Services Limited	30/01/07 21/03/07 16/04/07 18/04/07	
Permit determined	26/04/07	
Variation VP3137UW (EPR number KP3636LU/V002) determined	23/09/08	
Agency variation determined EPR/KP3636LU/V003	21/02/14	Agency variation to implement the changes introduced by IED
Application EPR/KP3636LU/V004 (variation and consolidation)	Duly made 11/05/15	Application to vary and update the permit to modern conditions.
Schedule 5 Notice Issued	23/06/2015	Request for revision of Odour Management Plan
Schedule 5 Notice Response	14/09/2015	Completed response accepted.
Variation determined EPR/KP3636LU	29/09/2015	Varied and consolidated permit issued in modern condition format.

End of introductory note.

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/KP3636LU

Issued to

Yorkshire Water Services Limited (“the operator”)

whose registered office is

**Western House
Halifax Road
Bradford
West Yorkshire
BD6 2SZ**

company registration number **02366682**

to operate a regulated facility at

**Wheldale Sludge Treatment Facility
Wheldale WWTW
Wheldon Road
Wheldale
Castleford
West Yorkshire
WF10 2PP**

to the extent set out in the schedules.

The notice shall take effect from 29/09/2015

Name	Date
J Linton	29/09/2015

Authorised on behalf of the Environment Agency

Schedule 1

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

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/KP3636LU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/KP3636LU/V004 authorising,

Yorkshire Water Services Limited (“the operator”),

whose registered office is

Western House

Halifax Road

Bradford

West Yorkshire

BD6 2SZ

company registration number **02366682**

to operate an installation at

Wheldale Sludge Treatment Facility

Wheldale WWTW

Wheldon Road

Wheldale

Castleford

West Yorkshire

WF10 2PP

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

Name	Date
J Linton	29/09/2015

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The activities shall be managed and operated:
- (a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the operator as a result of complaints; and
 - (b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.
- 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 Accidents that may cause pollution

- 1.2.1 The operator shall:
- (a) maintain and implement an accident management plan;
 - (b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;
 - (c) make any appropriate changes to the plan identified by a review.

1.3 Energy efficiency

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every 4 years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures by a review.

1.4 Efficient use of raw materials

- 1.4.1 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 4 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 appropriate further measures identified by a review.

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

1.5.1. The operator shall:

- (a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;
- (b) review and record at least every 4 years whether changes to those measures should be made; and
- (c) take any further appropriate measures identified by a review.

1.6 Site security

1.6.1. Site security measures shall prevent unauthorised access to the site, as far as practicable.

2. Operations

2.1 Permitted activities

- 2.1.1 The operator is authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 Where there are wastes on site that are not subject to this permit then the wastes subject to the activities authorised under condition 2.1.1, shall be clearly identified.

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 2 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 Agency.
- 2.3.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 3 tables S3.1 & S3.2 ; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
 - (c) it is only processed in the activity specified in Table S1.1 of Schedule 1.
- 2.3.3 Records shall be kept of all waste accepted onto the site.
- 2.3.4 The Operator shall ensure that where waste produced at the Permitted Installation(s) is sent to a waste recovery or disposal facility, the facility in question is provided with the following information, prior to receipt of the waste:
- The nature of the process producing the waste
 - The composition of the waste
 - The handling requirements of the waste
 - The hazard classification associated with the waste
 - The waste code of the waste
- 2.3.5 The Operator shall ensure that where waste produced at the Permitted Installation(s) is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Off-site conditions

There are no off-site conditions under this section.

2.5 Improvement programme

- 2.5.1 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 Agency.
- 2.5.2 Except in the case of an improvement which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

2.6 Pre-operational conditions

There are no pre-operational conditions in this permit.

2.7 Closure and decommissioning

- 2.7.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.
- 2.7.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site to a satisfactory state.
- 2.7.3 The operator shall carry out and record a review of the site closure plan at least every 4 years.
- 2.7.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

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 4 tables S4.1.

3.2 Transfers off-site

3.2.1 Records of all the wastes sent off site from the activities, for either disposal or recovery, shall be maintained.

3.3 Fugitive emissions of substances

3.3.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.3.2 All liquids, 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.

3.4 Odour

3.4.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the odour.

3.5 Noise and vibration

3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the noise and vibration.

3.6 Monitoring

3.6.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake monitoring for the parameters, at the locations and at not less than the frequencies specified in the following tables in schedule 4 to this permit:

- (a) point source emissions specified in tables S4.1;
- (b) process monitoring specified in table S4.2.

3.6.2 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.

3.6.3 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.

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 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 Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.

4.2 Reporting

4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the 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 this permit against the relevant assumptions, parameters and results in the assessment of the impact of the emissions submitted with the application;
- (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
- (c) the annual production /treatment data set out in schedule 5 table S5.2;
- (d) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule; and
- (e) details of any contamination or decontamination of the site which has occurred.

4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the 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 5 table S5.1;
- (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.3 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 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.

- 4.2.5 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency.

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 6 to this permit within the time period specified in that schedule.

- 4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:

- (a) as soon as practicable prior to the permanent cessation of any of the activities;
- (b) cessation of operation of part or all of the activities for a period likely to exceed 1 year; and
- (c) resumption of the operation of part or all of the activities after a cessation notified under (b) above.

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

- 4.3.5 Where the 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 Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.

- 4.3.6 The Agency shall be notified within 7 days of any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence.

- 4.3.7 The Agency shall be provided, within 14 days of the operator or any relevant person being convicted of a relevant offence, (unless such information has already been notified to the Agency), with details of the nature of the offence, the place and date of conviction, and the sentence imposed.

- 4.3.8 The Agency shall be notified within 14 days of the operator and/or any relevant person lodging an appeal against a conviction for any relevant offence and of the outcome when the appeal is decided.

- 4.3.9 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

- (a) any change in the operator's trading name, registered name or registered office address;
- (b) any change to particulars of the operator's ultimate holding company (including details of an ultimate holding company where an operator has become a subsidiary); and
- (c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.

Schedule 1 - Operations

Table S1.1 activities

Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
S5.4 A1 (a)(ii)	Physico-chemical treatment of non-hazardous sewage sludge (D9)	Receipt of sewage sludge into process, de-watering, polymer make up, liquor storage and return pipework, storage of sludge cake. Waste types to be as specified in Schedule 3 tables S3.1 and S3.2. Maximum treatment capacity of 416 tonnes per day
Directly Associated Activity		
-	-	-

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The response to section 2.1 in the Application excluding subsection 2.1.3. The response to sections 2.2 and 2.3 in the Application.	28/11/2006
Emails from Mike Ward – IPPC Project Manager Yorkshire Water Services Limited	All	30/01/2007 21/03/2007 16/04/2007 18/04/2007
Application for substantial variation, reference: EPR/KP3636LU/V004	Form EPC: Application for an environmental permit – Part C3 varying a bespoke installation permit, Question 3	11/05/2015
Application for substantial variation, reference: EPR/KP3636LU/V004	WH06 – Yorkshire Water, Wheldale Supporting Information (amending the original operating techniques referenced as sections 2.1, 2.2 and 2.3 from original application as shown above) and WH07 – Wheldale STF Site Closure Plan	11/05/2015
Application for substantial variation, reference: EPR/KP3636LU/V004	Non-technical summary – reference to operation and compliance with Sector Guidance Note S5.06	11/05/2015
Application for substantial variation, reference: EPR/KP3636LU/V004	Wheldale WwTW IPPC New STF Sludge Area Pipeline & Drain Layout , reference 2012-R0544-01-12047, revision C1	11/05/2015

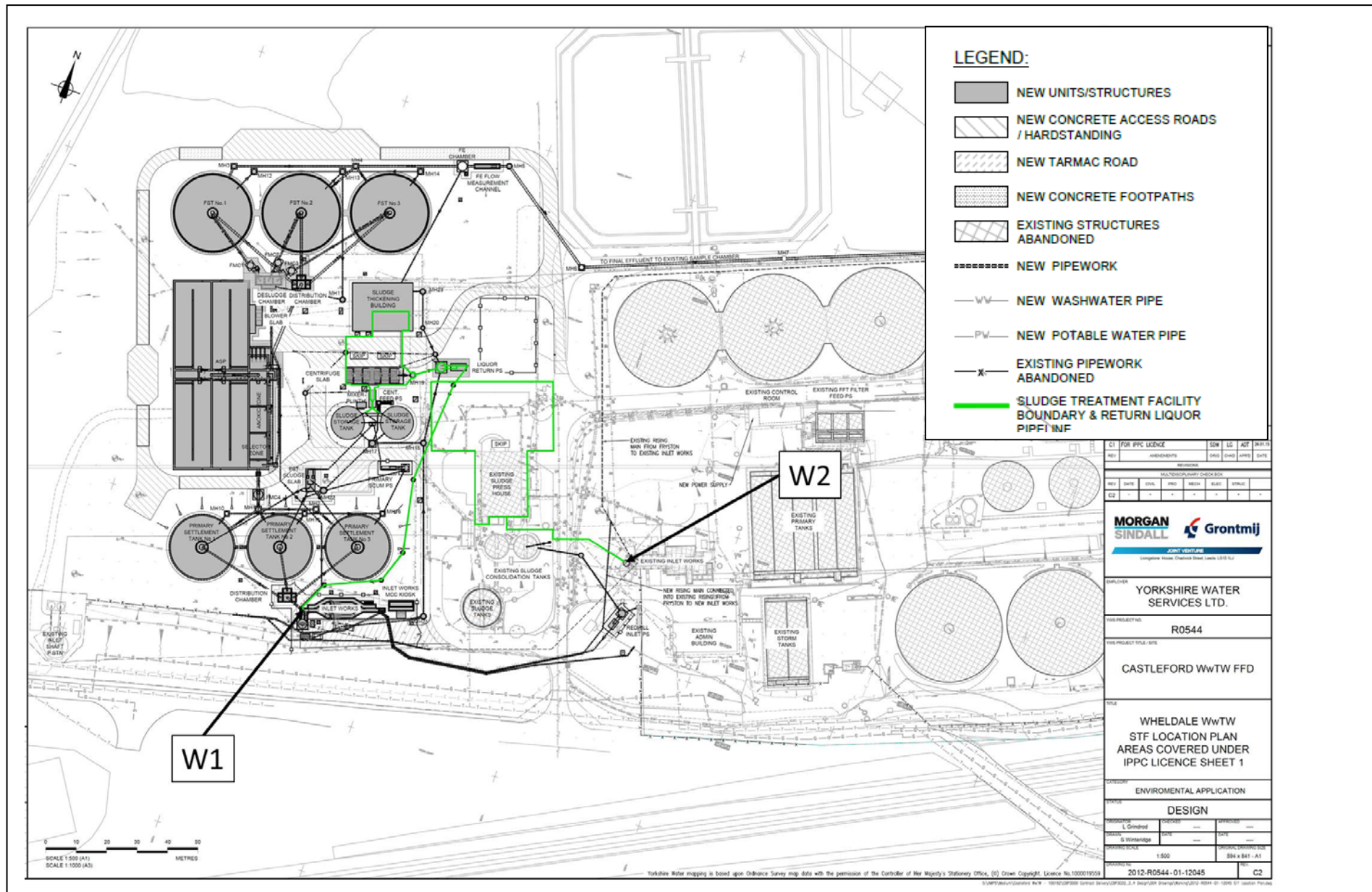
Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	A site-specific odour management plan shall be produced for the installation and submitted to the Environment Agency for approval. The plan shall include: <ul style="list-style-type: none"> • Monitoring and control measures to ensure acceptable odour control. • Identification of failures which may lead to an increase in emissions of odour. 	complete

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
	<ul style="list-style-type: none"> • The potential impact of each failure scenario in respect of the likely odour impact on local sensitive receptors. • The actions to be taken to mitigate the effects of odour release, and details of the persons responsible for the actions on the installation. <p>A template for an odour management plan is provided in Appendix 7 of the Agency Technical Guidance Note IPPC H4.</p>	
IC2	<p>The operator shall submit to the Environment Agency for approval a report in writing on the integrity of all underground pipes and sumps containing potentially polluting liquids. The report shall be prepared by an appropriately qualified person and include:</p> <ul style="list-style-type: none"> • The qualifications of the person preparing it. • An assessment of how long the integrity of underground pipes and sumps can be guaranteed (i.e. they do not leak) with justification based on manufacturer specifications, construction quality assurance and validation of construction. • Proposals for maintenance and monitoring of the underground pipes and sumps during this period. • A time scale for the replacement of the underground pipes and sumps. <p>Potentially polluting liquids include sewage sludge and sewage liquors.</p> <p>The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the report.</p> <p>Any proposals shall be implemented by the Operator from the date of approval by the Agency in writing.</p>	complete
IC3	<p>The operator shall replace all underground pipes and sumps containing potentially polluting liquids with pipes and sumps that meet the standards specified in Agency Sector Guidance Note IPPC S5.06 dated December 2004 unless other appropriate measures are used and approved by the Environment Agency. Potentially polluting liquids include sewage sludge and sewage liquors.</p>	Complete
IC4	<p>A site-specific closure plan shall be produced for the installation and submitted to the Environment Agency.</p> <p>Section 2.11 of Agency Sector Guidance Note IPPC S5.06 dated December 2004 details information to be included in a site closure plan.</p>	Complete
IC5	<p>An analysis of sewage sludge from the installation shall be carried out and submitted as part of the Site Protection and Monitoring Programme required under permit condition 2.8.1.</p>	Complete
IC 6	<p>The Operator shall submit a revised Odour Management Plan to the Environment Agency for approval.</p> <p>The plan shall include any dates for the implementation of any individual measures identified in order to ensure compliance with indicative BAT as provided in the appropriate Sector Guidance Note and Horizontal Guidance Note H4 (odour).</p> <p>The requirements of this condition will be deemed to have been complied with on submission and then approval of the revised Odour Management Plan by the Environment Agency.</p> <p>You must implement the actions and outcomes of the plan as approved, and from the date stipulated by the Environment Agency.</p>	30/10/2015

Schedule 2 - Site plan



Schedule 3 - Waste types, raw materials and fuels

Table S3.1 Permitted waste types and quantities for storage in sludge cake skips	
Maximum quantity	123 tonnes at any time. Only sludge originating from Wheldale Waste Water Treatment Works shall be stored.
Waste code	Description
19 08 05	Sludges from treatment of urban waste water

Table S3.2 Permitted waste types and quantities for treatment by centrifuge	
Waste codes	151,681 wet tonnes per year. Only sludge originating from Wheldale Waste Water Treatment Works shall be treated.
EWC Code	Description
19 08 05	Sludges from treatment of urban waste water

Schedule 4 – Emissions and monitoring

Table S4.1 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
W1 Liquor return to Wheldale waste water treatment works	No parameters set	Liquor from sewage sludge treatment	No limit set	-	-	-
W2 Liquor return to Wheldale waste water treatment works	No parameters set	Liquor from sewage sludge treatment	No limit set	-	-	-

Table S4.2 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Liquors return pipes	Integrity testing	Annual	Pressure testing or CCTV as appropriate	-
Unthickened sludge pipes	Integrity testing	Annual	Pressure testing or CCTV as appropriate	-

Schedule 5 - Reporting

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

Table S5.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Integrity testing	Liquors return pipes	Annually	29/09/2015
Integrity testing	Unthickened sludge pipes	Annually	29/09/2015

Table S5.2: Annual production/treatment

Parameter	Units
Unthickened sewage sludge (input)	tonnes
Thickened sewage sludge (output)	tonnes

Table S5.3 Performance parameters

Parameter	Frequency of assessment	Units
Potable water usage	Annually	tonnes
Energy usage	Annually	MWs
Total raw material used	Annually	tonnes

Table S5.4 Reporting forms

Media/parameter	Reporting format	Date of form
Water usage	Form water usage1 or other form as agreed in writing by the Agency	26/04/2007
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	26/04/2007
Other performance indicators	Form performance 1 or other form as agreed in writing by the Agency	26/04/2007

Schedule 6 – 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 immediately	
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 immediately	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified immediately	
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 7 - Interpretation

"*accident*" means an accident that may result in pollution.

"*accident management plan*" means a documented procedure (or procedures) that set out the measures necessary to prevent accidents occurring within the permitted installation, during both normal and abnormal operations, and limit the consequences to human health or the environment of any such accidents that do occur.

"*annually*" means once every year.

"*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 4 to the PPC Regulations.

"*authorised officer*" means any person authorised by the 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.

"*disposal*" shall mean any of the operations provided for in Annex IIA to Directive 75/442/EEC.

"*emissions to land*", includes emissions to groundwater.

"*fugitive emission*" means an emission to air, water or land from the activities which is not controlled by an emission 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.

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

"*land protection guidance*", means Agency guidance "H7 - Guidance on the protection of land under the PPC Regime: application site report and site protection monitoring programme".

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

"*MCERTS*" means the Environment Agency's Monitoring Certification Scheme.

"*notify/notified without delay*" means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

"*PPC Regulations*" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"*quarter*" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"*recovery*" shall mean any of the operations provided for in Annex IIB to Directive 75/442/EEC.

"*relevant person*" and "*relevant conviction*" shall have the meanings given to them in the Environmental Protection Act 1990

"*technically competent management*" and "*technical competence*" shall have the meanings given to them in the Environmental Protection Act 1990.

"*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.

"*WFD*" means Waste Framework Directive (75/442/EEC).

"*year*" means calendar year ending 31 December.

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:

- (a) 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
- (b) 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

END OF PERMIT