

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Healthcare Environmental Services
(Yorkshire) Waste Transfer and
Treatment Facility

Healthcare Environmental Services
Limited
Loscoe Close
Normanton
WF6 1TW

Permit number
EPR/VP3137TV

Healthcare Environmental Services (Yorkshire) Waste Transfer and Treatment Facility Permit Number EPR/VP3137TV

Introductory note

This introductory note does not form a part of the permit

The main features of the facility are as follows: the installation is located in the Normanton Industrial Estate to the north-east of Normanton (Site grid reference: 440200, 423200) and is bounded to the north by the M62 motorway and to the west and south by the A655. The area around the facility is predominantly industrial units, with the closest human receptors being 0.4 km west north-west. The facility is approximately 40 metres from a small watercourse, *Wain Dyke Beck* and parts of the site are within designated flood risk areas associated with the watercourse.

The installation is a hazardous clinical waste transfer and treatment facility which will treat up to 20,000 tonnes a year of hazardous clinical waste. All activities are carried out within a building. Permitted waste is delivered on site by commercial road vehicles. Waste is delivered in containers and off-loaded within the treatment building following weighing via a weighbridge. Treatment of clinical waste is by heat treatment in two autoclaves. Following treatment, the waste is shredded and compacted prior to disposal off-site. The facility is also permitted to accept other types of clinical waste for bulking pending disposal off-site. These include sharps, anatomical wastes and other wastes associated with clinical operations.

There is a discharge to foul sewer from the facility and this is regulated through a consent to discharge issued by the sewerage undertaker. There are no point source emissions to surface water or groundwater from the installation.

There are no European habitat sites or Sites of Special Scientific Interest (SSSI) within the specified distance criteria from the facility. There is one Local Wildlife Site and one Ancient Woodland (*Ackton Pasture Wood*) within 2 km of the facility. Assessment by the Environment Agency has indicated that emissions from the facility are unlikely to have a significant impact on the receiving environment.

The key activities at this facility are:

- (a) Scheduled activity – Schedule 5.3 Part A(1)(a) – Disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day; and
- (b) Waste operation – Transfer station (D14 and D15 activities)

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

Status Log of the permit		
Detail	Date	Response Date
Application EPR/VP3137TV/A001	Duly made 15/09/10	
Additional Information Received	Request dated 26/10/10	30/11/10
Additional Information Received	Request dated 04/01/11	25/01/11
Additional Information Received	Request dated 26/01/11	26/01/11
Additional Information Received	Request dated 26/10/10	01/02/11
Additional Information Received	Request dated 26/10/10	16/02/11
Additional Information Received	Request dated 26/10/10	20/04/11
Permit EPR/VP3137TV determined	21/04/11	

End of Introductory Note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit

Permit number

EPR/VP3137TV

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

Healthcare Environmental Services Limited ("the operator"),

whose registered office is

**Calderhead Road
Shotts
Lanarkshire
ML7 4EQ**

company registration number **SC173861**

to operate a facility comprising an installation at

**Healthcare Environmental Services (Yorkshire)
Waste Transfer and Treatment Facility
Loscoe Close
Normanton
WF6 1TW**

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

Name	Date
Thomas Ruffell	21/04/2011

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 Energy efficiency

1.2.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A4) 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 For the following activities referenced in schedule 1, table S1.1 (A1 to A4), 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").

2.1.2 For the following activities referenced in schedule 1, table S1.1 (A1 to A4), waste authorised by this permit shall be clearly distinguished from any other waste on the site.

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 (a) 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.

- (b) 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 specified in schedule 1, table S1.2 or otherwise required under this permit, 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.

2.3.2 Any raw materials or fuels listed in schedule 2, table S2.1 shall conform to the specifications set out in that table.

2.3.3 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2, tables S2.2a and S2.2b; and

(b) it conforms to the description in the documentation supplied by the producer and holder.

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 hazard classification associated with the waste; 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 activities shall not be brought into operation until the measures specified in schedule 1, table S1.4A 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.

3.2 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;
 - (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.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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;
 - (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 S3.2;
 - (b) process monitoring specified in table S3.3;
 - (c) process efficacy specified in table S3.4
 - (d) bioaerosol/ambient air monitoring specified in table S3.5

- 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, table S3.2 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 1 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 S4.4; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 For the following activities referenced in schedule 1, table S1.1 (A1 to A4), 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.
- 4.2.5 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 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.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

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

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
A1	S5.3 Part A (1) (a) Disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day	D9: Physio-chemical treatment of hazardous and non hazardous waste specified in Schedule 2, table S2.2a D15: Storage of hazardous and non hazardous waste prior to treatment via autoclaves	From transfer of permitted waste into autoclaves and shredder, and subsequent maceration and transfer of waste to compactor unit. The waste types permitted for treatment via autoclaves are set out in Schedule 2 Table S2.2a and shall be carried out within the building edged in blue on the site plan at Schedule 7. Maximum quantity of permitted waste treated via autoclaves shall not exceed 72 tonnes per day. From receipt, segregation and storage of permitted waste to transfer for treatment in autoclaves. The waste types permitted for storage pending treatment via autoclaves are set out in Schedule 2 Table S2.2a and shall be carried out within the building edged in blue on the site plan at Schedule 7. Maximum quantity of permitted waste stored prior to treatment via autoclaves shall not exceed 144 tonnes at any one time. The maximum storage time for untreated permitted waste via autoclaves shall not exceed 48 hours.
Directly Associated Activity			
A2	Steam production	Raising of steam for autoclaves and associated exhaust systems using the gas oil fired boiler, net thermal input 3.9 MW _{th}	From the receipt of fuel to despatch of heat and combustion products
A3	Sharps bin washing	Steam cleaning of bins used for the storage of treatable waste	From the handling, cleaning and storage of bins to despatch for re-use
Description of activities for waste operations		Limits of activities	
A4	<u>Waste Transfer Station</u> D14: repackaging of wastes specified in Schedule 2 Table S2.2b prior to treatment on-site or disposal off-site D15: Storage of hazardous and non hazardous waste prior to despatch for off-site disposal R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage pending collection on the site where it was produced)	The waste types permitted for storage and repackaging are set out in Schedule 2 table S2.2b and shall be carried out within the building edged in blue at Schedule 7. Maximum quantity of permitted waste stored prior to disposal off-site shall not exceed 70 tonnes at any one time. The maximum storage time for untreated permitted waste prior to disposal off-site shall not exceed 168 hours (7 days).	

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	<p>Section 5 of Supporting Information in response to Question 3d – Management System, Part B2 of the application form.</p> <p>Section 4 of Supporting Information in response to Question 7 – Environmental Risk Assessment, Part B2 of the application form.</p> <p>Sections 1.1 – 1.4; 2.1 – 2.3 and 2.7 of Supporting Information in response to Question 3a – Technical Standards, Part B3 of the application form.</p> <p>Sections 2.7; 3.1 – 3.4 of Supporting Information in response to Question 3b – Management Plans (odour, fugitive emissions and noise/vibration), Part B3 of the application form.</p> <p>Section 5.3 of Supporting Information in response to Question 3c – Types and amount of raw materials, Part B3 of the application form.</p> <p>Section 3.4 of Supporting Information in response to Questions 4a and 4b – Monitoring, Part B3 of the application form.</p> <p>Section 5.5 of Supporting Information in response to Questions 6a and 6b – Resource Efficiency, Part B3 of the application form.</p> <p>Sections 5.3 and 5.4 of Supporting Information in response to Questions 6d and 6e, Part B3 of the application form.</p>	15/09/10
Response to email requesting further information dated 26/10/10	QHSE operating manual (except pre-acceptance questionnaires 1, 2 and 3); revised BAT assessment	30/11/10
Response to email requesting further information dated 04/01/11	Revised site layout plan	25/01/11
Response to email requesting further information dated 26/01/11	Clarification regarding source and description of proposed wastes to be accepted at the facility.	26/01/11

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP1	<p>The operator shall carry out monitoring of oxides of nitrogen, sulphur dioxide, carbon monoxide, volatile organic carbon and particulates from emission point A1 to MCERTS standards. A written report of the emissions monitoring shall be submitted to the Environment Agency for approval. The written report shall include:</p> <ul style="list-style-type: none"> • the monitoring method used; • maximum and average release levels released into the environment; and • an assessment of releases to air, applying the conservative criteria in our guidance on Environmental Risk Assessment or similar methodology. <p>Following the submission of the report, the Environment Agency will assess whether there is a need to set emission limits on this emission point.</p>	6 months following commissioning of the facility
IP2	<p>The operator shall submit a written proposal for undertaking intrusive sampling within the installation boundary to the Environment Agency. On approval, the operator shall undertake intrusive sampling to obtain soil and groundwater baseline reference data. A report shall be submitted to the Environment Agency which includes:</p> <ul style="list-style-type: none"> • a description of the soil and groundwater monitoring undertaken • a scale drawing showing the sampling locations • Monitoring results (including graphs) 	6 months following commissioning of the facility

Table S1.4A Pre-operational measures

Reference	Pre-operational measures
PO1	<p>The operator shall submit a written site commissioning validation report to the Environment Agency for approval.</p> <p>The report shall include:</p> <ul style="list-style-type: none"> • a microbial efficacy analysis, that demonstrates that the choice of test organisms, the method of introduction to the plant, the choice of organism carrier, and the analytical method are adequate to demonstrate STAATT Level III criteria for a worst case scenario challenge load in accordance with the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011); • evidence that the parametric controls, and procedures for real time monitoring and assessment of outputs are in place with respect to any waste treated; • evidence that the parametric control data relates to microbial efficacy so that waste can therefore be considered to be treated satisfactorily on the basis of parametric control alone in accordance with the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011); • confirmation of the pass criteria for the plant that demonstrates STAATT Level III criteria for a worst case scenario challenge load can be achieved; • an environmental monitoring assessment of the site that addresses process emissions and routine monitoring of emissions in accordance with the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011); • an assessment of any improvements identified <p>The operator shall not commence operations until written confirmation is received from the Environment Agency to say that the validation report and efficacy monitoring procedure has been approved.</p>
PO2	<p>The operator shall submit a written risk assessment considering the risk of fugitive emissions from the installation to the Environment Agency for approval. The report shall include:</p> <ul style="list-style-type: none"> • necessary preventative measures for fugitive emissions, including odour and volatile organic compounds; • a proposal for undertaking ambient air, wastewater and surface monitoring; • a scale drawing showing the proposed monitoring locations • an action plan that identifies actions to be taken should trigger levels be exceeded. <p>Any proposed preventative measures and monitoring shall be implemented from the date of approval by the Environment Agency.</p>
PO3	<p>At least 2 weeks before operation, written procedures for conducting pre-acceptance checks on waste received at the facility shall be submitted to the Agency for written approval. As a minimum, the procedures shall take into account the appropriate measures for waste pre-acceptance specified in section 2.2 of Sector Guidance Note EPR 5.07 (dated January 2011). No waste shall be accepted unless the Environment Agency has given prior written permission under this condition.</p>
PO4	<p>At least 2 weeks before operation, written procedures for storage of waste received at the facility shall be submitted to the Agency for written approval. As a minimum, the procedures shall take into account:</p> <ul style="list-style-type: none"> • the appropriate measures for waste storage specified in section 3.2 of Sector Guidance Note EPR 5.07 (dated January 2011); and • measures to segregate the clinical wastes streams as described in Health Technical Memorandum 07-01: Safe management of healthcare waste (HTM 07-01) 2006. <p>No waste shall be accepted unless the Environment Agency has given prior written permission under this condition.</p>

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Diesel	Sulphur content shall not exceed 0.1% by mass
Oil	Lubricating oil only

Table S2.2a Permitted waste types and quantities for steam treatment in autoclaves and subsequent maceration (D9)	
Annual throughput	20,000 tonnes
Maximum storage capacity	Pre-treatment: 144 tonnes at any one time Post-treatment: 40 tonnes at any one time
Waste code	Description
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 03 ^{*1}	wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 02 ^{*1}	wastes whose collection and disposal is subject to special requirements in order to prevent infection
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 99 ¹	other fractions not otherwise specified (comprising of only separately collected fractions of municipal clinical waste (not arising from healthcares and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is subject to special requirements in order to prevent infection).
¹ In addition, the following wastes are specifically excluded from waste treatment activities: <ul style="list-style-type: none"> (i) Any waste containing waste medicines and chemicals, waste contaminated with cytotoxic and cytostatic medicines, anatomical waste (identifiable human or animal tissue arising from healthcare), or dental amalgam; (ii) Sharps boxes containing any of the excluded wastes from (i) and (iii) or sharps that are contaminated with pharmaceuticals in any quantity (including syringes that are fully discharged, partially discharged or undischarged). (iii) Biohazard waste: Any waste known or likely to contain ACDP Hazard Group 4 biological agents; Any waste from a containment level 3 laboratory; and all Microbiological cultures from any source, and any potentially infected waste from pathology departments and other clinical or research laboratories (unless autoclaved before leaving the site of production). 	

Table S2.2b Permitted waste types and quantities for storage (D15/R13) and re-packaging (D14)	
Maximum annual tonnage	2,000 tonnes
Maximum storage capacity	70 tonnes at any one time
Waste code	Description
09 01	wastes from the photographic industry
09 01 01*	water-based developer and activator solutions ²
09 01 02*	water-based offset plate developer solutions ²
09 01 03*	solvent based developer solutions ²
09 01 04*	fixer solutions ²
09 01 05*	bleach solutions and bleach fixer solutions ²
09 01 07	photographic film and paper containing silver or silver compounds ²
09 01 08	photographic film and paper free of silver or silver compounds ²
15 01	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
16 02	wastes from electrical and electronic equipment
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 01	sharps (except 18 01 03) ³
18 01 02	body parts and organs including blood bags and blood preserves (except 18 01 03) ³
18 01 03*	wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers) ³
18 01 06*	chemicals consisting of or containing dangerous substances (excluding X-ray photochemicals)
18 01 07	chemicals other than those mentioned in 18 01 06 (excluding X-ray photochemicals)
18 01 08*	cytotoxic and cytostatic medicines
18 01 09	medicines other than those mentioned in 18 01 08
18 01 10*	amalgam waste from dental care
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 01	sharps (except 18 02 02) ³
18 02 02*	wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection ³
18 02 05*	chemicals consisting of or containing dangerous substances (excluding X-ray photochemicals)
18 02 06	chemicals other than those mentioned in 18 02 05 (excluding X-ray photochemicals)
18 02 07*	cytotoxic and cytostatic medicines
18 02 08	medicines other than those mentioned in 18 02 07
20 01	separately collected fractions (except 15 01)
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons

Table S2.2b Permitted waste types and quantities for storage (D15/R13) and re-packaging (D14)	
Maximum annual tonnage	2,000 tonnes
Maximum storage capacity	70 tonnes at any one time
Waste code	Description
20 01 27*	paints, inks, adhesives and resins containing dangerous substances
20 01 29*	detergents containing dangerous substances
20 01 31*	cytotoxic and cytostatic medicines
20 01 32	medicines other than those mentioned in 20 01 31
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 99	other fractions not otherwise specified (comprising of separately collected fractions of municipal clinical waste (not arising from healthcare and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is subject to special requirements in order to prevent infection). Other fractions not otherwise specified (comprising only of non-clinical human and animal offensive/hygiene waste (not arising from healthcare and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is not subject to special requirements in order to prevent infection). ³
² These entries are limited to photographic wastes arising from healthcare and/or related research.	
³ These entries are limited to those wastes that are not described, packaged, labelled or transported as infectious or clinical wastes.	

Schedule 3 - Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	No parameters set	Boiler plant	--	--	--	--

Table S3.2 Point source emissions to sewer – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
S1 – Condensed air and wastewater discharge to sewer via autoclaves, waste compactor run-off and bin washer	--	--	--	--	--	--
Any discharges to sewer are covered by the trade consent to discharge issued by the sewerage undertaker.						

Table S3.3 Process monitoring requirements			
Emission point ref. & location	Parameter	Monitoring frequency	Monitoring standard or method
Site commissioning validation	Microbial inactivation performance	During site commissioning and periodically at intervals no greater than 48 months during the operational life of the autoclaves ¹	In accordance with requirements set out in the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011)
Note 1: or if any process parameters are altered from those assessed during site commissioning, or if mechanical or engineering changes are made to the treatment process, or before recommencing treatment operations after a routine monitoring failure, or if the clinical waste stream changes such as the worst case scenario challenge load considered during the original site commissioning validation is no longer the worst case scenario.			

Table S3.4 Efficacy limits and monitoring requirements

Emission point ref. & location	Parameter	Monitoring frequency	Limit	Monitoring standard or method
Steam treatment of waste in autoclaves with subsequent maceration	Routine treatment efficacy	Weekly during first six months of operation and monthly thereafter	STAATT Level III criteria have been demonstrated through >4 log ₁₀ inactivation of thermal – resistant indicator spores ¹	In accordance with requirements set out in the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011)

Note 1: 95% of the individual spore strips, in the first 6 months of operation, and each subsequent calendar year, must demonstrate 4 log₁₀ inactivation or higher (quantitative) or no growth (qualitative). Thermal indicator strips must accompany each spore strip and indicate that the minimum time and temperatures have been achieved for 99% of spore strips.

Table S3.5 Fugitive bioaerosol emissions monitoring (spiked organisms)					
Monitoring location	Parameter	Monitoring frequency	Limit (cfu)	Unit	Monitoring standard or method
Air – sample points <10m from the treatment plant	Bacillus spores	During site commissioning and periodically at intervals no greater than 48 months during the operational life of the autoclaves	1000 ²	Per cubic metre ¹	In accordance with requirements set out in the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011)
Air – sample points >10m from the treatment plant	Bacillus spores	During site commissioning and periodically at intervals no greater than 48 months during the operational life of the autoclaves	300	Per cubic metre ¹	
Surface – sample points <10m from the treatment plant	Bacillus spores	During site commissioning and periodically at intervals no greater than 48 months during the operational life of the autoclaves	20,000 ²	Per square metre per hour ¹	
Surface – sample points >10m from the treatment plant	Bacillus spores	During site commissioning and periodically at intervals no greater than 48 months during the operational life of the autoclaves	5000 ²		
<p>Note 1: These Units relate to the overall monitoring period so the cfu benchmark applies to:</p> <ul style="list-style-type: none"> • Each individual sample of air or water taken, with a calculation made to report the result per cubic metre or litre. • For each individual settle plate (this is not an average) a calculation made to adjust for surface area of a settle plate and exposure time (for example if settle plates are deployed for only 15 minutes of every hour then the result must be multiplied by 4). • These are based on a seeding dose of 1×10^6 spores per gram of waste load, and would need to be adjusted accordingly if the seed dose were higher or lower. <p>Note 2: These benchmarks are indicative only and will be reviewed periodically.</p>					

Schedule 4 - Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Process efficacy Parameters as required by condition 3.5.1	Treatment efficacy (routine monitoring)	Following initial validation and then periodically at intervals no greater than 48 months during the operational life of the autoclaves ¹	To be agreed with the Environment Agency ²
Ambient air monitoring Parameters as required by condition 3.5.1	Fugitive bio-aerosols	Following initial validation and then periodically at intervals no greater than 48 months during the operational life of the autoclaves ¹	
Site commissioning validation report	Commissioning validation for autoclaves	Following initial validation and then periodically at intervals no greater than 48 months during the operational life of the autoclaves ¹	
<p>Note 1: or following and re-validation of the plant in the event of any of the following: process parameters being altered from those assessed during site commissioning, mechanical or engineering changes are made to the treatment process, before recommencing treatment operations after a routine monitoring failure or if the clinical waste stream changes such as the worst case scenario challenge load considered during the original site commissioning validation is no longer the worst case scenario.</p> <p>Note 2: To be agreed in writing with the Environment Agency following completion of pre-operational measures PO1 and PO2 in Table S1.4A.</p>			

Table S4.2 Annual production/treatment	
Parameter	Units
Clinical waste treated via autoclaves	tonnes
Total waste accepted for transfer	tonnes

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes
Discharge to sewer	Annually	m ³ /tonne treated waste

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	21/04/11
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	21/04/11
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	21/04/11
Waste return	Form Waste Tonnage Return form v1.1 or other form as agreed in writing by the Environment Agency	21/04/11

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/VP3137TV
Name of operator	Healthcare Environmental Services Limited
Location of Facility	Healthcare Environmental Services (Yorkshire) Waste Transfer and Treatment Facility, Loscoe Close, Normanton, WF6 1TW
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission 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	
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 Healthcare Environmental Services Limited.

Schedule 6 - Interpretation

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

“Annex IIA” means Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“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 5 to the EP Regulations.

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

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

“clinical waste” has the meaning given in the controlled Waste Regulations 1992 as:

- i) any waste which consists wholly or partly of human or animal tissue, blood or other bodily fluids, excretions, drugs or other pharmaceutical products, swabs or dressings, or syringes, needles or other sharp instruments, being waste which unless rendered safe may prove to be hazardous to any person coming in contact with it; and
- ii) any other waste arising from medical, nursing, dental, veterinary, pharmaceutical or similar practice, investigation, treatment, care, teaching or research, or the collection of blood for transfusion, being waste which may cause infection to any person coming into contact with it.

“cytotoxic and cytostatic medicines” are medicinal products that possesses one or more of the hazardous properties toxic, carcinogenic, mutagenic or toxic for reproduction. Cytotoxic and cytostatic waste is the fraction of waste medicines, as described below for *“medicines”*, that contains or is contaminated with cytotoxic and cytostatic medicines.

“controlled substances” means chlorofluorocarbons, other fully halogenated chlorofluorocarbons, halons, carbon tetrachloride, 1,1,1-trichloroethane, methyl bromide, hydrobromofluorocarbons and hydrochlorofluorocarbons listed in Annex I of Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer, including their isomers, whether alone or in a mixture, and whether they are virgin, recovered, recycled or reclaimed. This definition shall not cover any controlled substance which is in a manufactured product other than a container used for the transportation or storage of that substance, or insignificant quantities of any controlled substance, originating from inadvertent or coincidental production during a manufacturing process, from unreacted feedstock, or from use as a processing agent which is present in chemical substances as trace impurities, or that is emitted during product manufacture or handling.

“D” means a disposal operation provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“emissions to land”, include 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 SI2010 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.

"European Site" means candidate or Special Area of Conservation and proposed or Special Protection Area in England and Wales, within the meaning of Council Directives 79/409/EEC on the conservation of wild birds and 92/43/EEC on the conservation of natural habitats and of wild flora and fauna under The Conservation of Habitats and Species Regulations 2010. Internationally designated Ramsar sites are dealt with in the same way as European sites as a matter of government policy and for the purpose of these rules will be considered as a European Site.

"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 No.894, the Hazardous Waste (Wales) Regulations 2005 No.1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No.1820 (W.148).

"healthcare waste" means a waste classified under Chapter 18 of the List of Wastes, that is both

- produced by human and animal healthcare and/or related activities; and
- is of a type specifically associated with such activities

"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" (below).

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

"medicines" are medicinal products as defined in Regulation 130 of Part VIII of the Medicines Act 1968. Waste medicines (or pharmaceutical waste) include:

- expired, unused, spilt and contaminated medical products that are no longer required and need to be disposed of appropriately;
- discarded items contaminated with medicines such as bottles or boxes with residues, gloves, masks, connecting tubing, syringe bodies and drug vials.

"mixing of hazardous waste" means mixing hazardous waste as defined by Regulation 18 of the Hazardous Waste (England and Wales) Regulations 2005.

"pollution" means emissions as a result of human activity which may—

- (a) be harmful to human health or the quality of the environment,
- (b) cause offence to a human sense,
- (c) result in damage to material property, or
- (d) impair or interfere with amenities and other legitimate uses of the environment.

"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 IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“requirements for carriage” means the requirements of the current Carriage Regulations, which implement the ADR.

“sealed container” means a container which is fully enclosed, weather proof, does not allow any solid or liquid content to escape and is lockable.

“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:

- (a) no liquid will run off the surface otherwise than via the system;
- (b) except where they may lawfully be discharged, all liquids entering the system are collected in a sealed sump.

“sharps” means items that could cause cuts or puncture wounds. They include needles, hypodermic needles, scalpels and other blades, knives, infusion sets, saws, broken glass and nails.

“SSSI” means Site of Special Scientific Interest within the meaning of the Wildlife and Countryside Act 1981 (as amended by the Countryside and Rights of Way Act 2000).

“STAATT” means State and Territorial Association on Alternate Treatment technologies. Now “iSTAATT”, the International Society of Analytical Assessment of Treatment Technologies.

“STAATT Level III” means the level III criteria set by the State and Territorial Association on Alternative Treatment Technologies (STAATT), as interpreted by Environment Agency guidance EPR 5.07 Version 1.0. The STAATT Level III criteria requires the inactivation of vegetative bacteria, fungi, lipophilic/hydrophilic viruses, parasites and mycobacteria at a 6 log₁₀ reduction or greater; and inactivation of *Geobacillus stearothermophilus* or *Bacillus atrophaeus* spores at a 4 log₁₀ inactivation or greater.

“waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“WFD” means Waste Framework Directive (Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste).

“year” means calendar year ending 31 December.

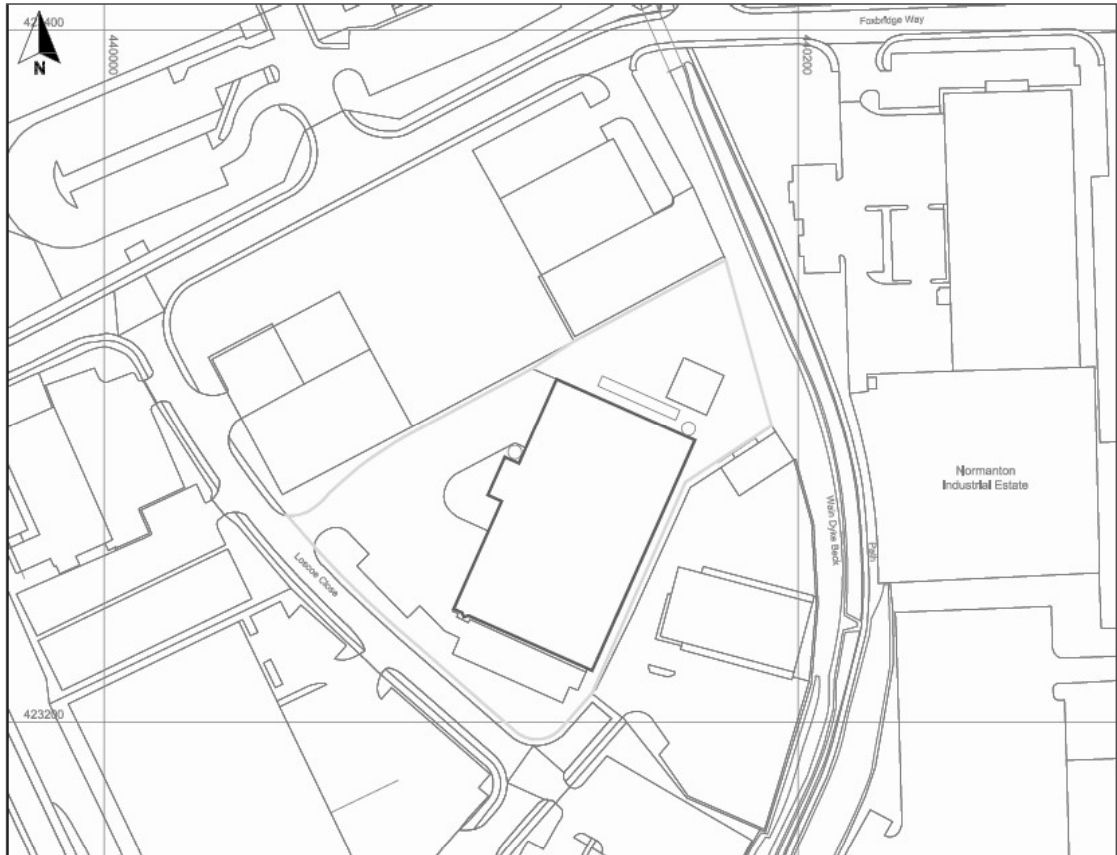
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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.

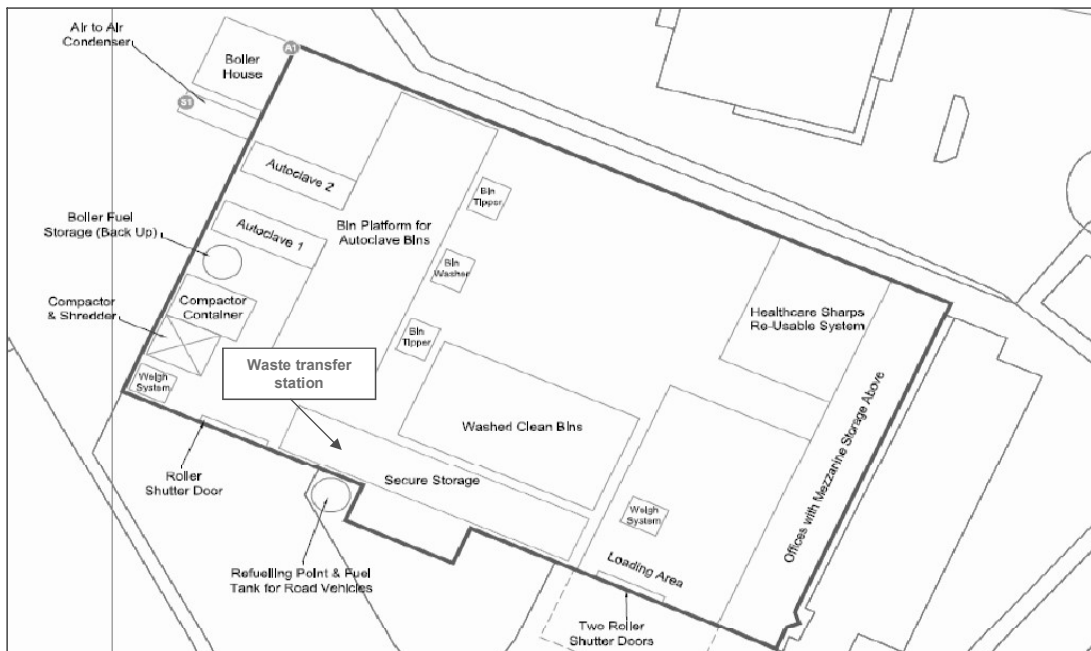
Schedule 7 - Site plan

Plan showing site location and boundary



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Plan showing site layout and emission points



END OF PERMIT

Permit Number
EPR/VP3137TV

Page 27

21/04/2011

Permit Number: EPR/VP3137TV

Operator: Healthcare Environmental Services Limited

Facility: HES (Yorkshire) Waste Treatment and Transfer Facility Form Number: Water Usage1/DD/MM/YY

Reporting of Water Usage for the year _____

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains water		
Site borehole		
River abstraction		
TOTAL WATER USAGE		

Operator's comments :

Signed Date.....
(authorised to sign as representative of Healthcare Environmental Services Limited)

Permit Number: EPR/VP3137TV

Operator: Healthcare Environmental Services Limited

Facility: HES (Yorkshire) Waste Treatment and Transfer Facility Form Number: Energy1/DD/MM/YY

Reporting of Energy Usage for the year _____

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	Specific Usage (MWh/unit output)
Electricity *	MWh		
Natural Gas	MWh		
Gas Oil	tonnes		
Recovered Fuel Oil	tonnes		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed Date.....
(Authorised to sign as representative of Healthcare Environmental Services Limited)

Permit Number: EPR/VP3137TV

Operator: Healthcare Environmental Services Limited

Facility: HES (Yorkshire) Waste Treatment and Transfer Facility **Form Number:** Performance1/DD/MM/YY

Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY

Parameter	Units
Total raw material used	tonnes
Water usage per tonne of waste treated	tonnes
Energy usage per tonne of waste treated	tonnes

Operator's comments :

Signed Date.....
(Authorised to sign as representative of Healthcare Environmental Services Limited)

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Healthcare Environmental Services
(Yorkshire) Waste Transfer and
Treatment Facility

Healthcare Environmental Services
Limited
Loscoe Close
Normanton
WF6 1TW

Variation application number
EPR/VP3137TV/V002

Permit number
EPR/VP3137TV

Healthcare Environmental Services (Yorkshire) Waste Transfer and Treatment Facility

Permit number EPR/VP3137TV

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

The installation is a hazardous clinical waste transfer and treatment facility that treats up to 20, 000 tonnes a year of hazardous clinical waste. It is located in the Normanton Industrial Estate to the north-east of Normanton and is bounded to the north by the M62 motorway and to the south and west by the A655. The facility is situated in a predominantly industrial setting.

All activities associated with the facility are carried out within a building. The treatment of clinical waste is by heat treatment in two autoclaves. Treated waste is compacted and disposed of off site. The facility is also permitted to accept other types of clinical waste for bulking, pending off-site disposal. These waste types include sharps, anatomical wastes and other wastes associated with clinical operations.

The changes introduced by this variation notice comprise the following:

- 1) Amendment to the shredding of waste from a post-treatment to a pre-treatment system,
- 2) Installation of additional equipment (Rotowrap) to bale and wrap the output from the autoclave..

The relocation of the shredder to the pre-treatment position has been undertaken to improve the heat treatment process by ensuring greater penetration of steam to all the waste within the autoclave and by increasing the amount of waste that can be treated per cycle. This reduces the energy used per tonne of waste.

The schedules specify the changes made to the original permit.

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

Status log of the permit

Description	Date	Comments
Application received EPR/VP3137TV/A001	Duly made 15/09/10	Application for clinical waste transfer and treatment facility
Additional information received	30/11/10	
Additional information received	25/01/11	
Additional information received	26/01/11	
Additional information received	01/02/11	
Additional information received	16/02/11	
Additional information received	20/04/11	
Permit determined EPR/VP3137TV	21/04/11	
Variation Application EPR/VP3137TV/V002	Duly made 16/01/12	Application to pre-shred waste
Additional information received	10/02/12	
Additional information received	24/02/12	
Additional information received	02/05/12	
Variation determined EPR/VP3137TV	15/06/2012	Varied permit issued.

End of introductory note

Notice of variation

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

Permit number
EPR/VP3137TV

issued to:
Healthcare Environmental Services Limited (“the operator”)

whose registered office is

Calderhead Road
Shotts
Lanarkshire
ML7 4EQ

company registration number **SC173861**

to operate a regulated facility at

Healthcare Environmental Services (Yorkshire)
Waste Transfer and Treatment Facility
Loscoe Close
Normanton
WF6 1TW

to the extent set out in the schedules.

The notice shall take effect from 15/06/2012

Name	Date
Clare Palmer Clark	15/06/2012

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator

Condition 2.3 Operating techniques

2.3.1 (a) The activities shall, subject to the conditions of the 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.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	<p>Section 5 of Supporting Information in response to Question 3d – Management System, Part B2 of the application form.</p> <p>Section 4 of Supporting Information in response to Question 7 – Environmental Risk Assessment, Part B2 of the application form.</p> <p>Sections 1.1 – 1.4; 2.1 – 2.3 and 2.7 of Supporting Information in response to Question 3a – Technical Standards, Part B3 of the application form.</p> <p>Sections 2.7; 3.1 – 3.4 of Supporting Information in response to Question 3b – Management Plans (odour, fugitive emissions and noise/vibration), Part B3 of the application form.</p> <p>Section 5.3 of Supporting Information in response to Question 3c – Types and amount of raw materials, Part B3 of the application form.</p> <p>Section 3.4 of Supporting Information in response to Questions 4a and 4b – Monitoring, Part B3 of the application form.</p> <p>Section 5.5 of Supporting Information in response to Questions 6a and 6b – Resource Efficiency, Part B3 of the application form.</p> <p>Sections 5.3 and 5.4 of Supporting Information in response to Questions 6d and 6e, Part B3 of the application form.</p>	15/09/10
Response to email requesting further information dated	QHSE operating manual (except pre-acceptance questionnaires 1, 2 and 3); revised BAT assessment	30/11/10

26/10/10		
Response to email requesting further information dated 04/01/11	Revised site layout plan	25/01/11
Response to email requesting further information dated 26/01/11	Clarification regarding source and description of proposed wastes to be accepted at the facility.	26/01/11
Application for Variation	Permit variation application and supporting Information entitled "Application for an Environmental Permit Variation" dated November 2011	30/11/11
Response to Schedule 5 Notice dated 15/3/12 requesting further information	Number 4) Process description	02/05/12

Condition 2.5 Pre-operational conditions

2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1, table S1.4A have been completed.

Table S1.4A Pre-operational measures	
Reference	Pre-operational measures
PO1	The operator shall submit a written method statement, including time frames, of the works to be undertaken to produce a site commissioning validation report as outlined in PO2. In addition, the method statement should derive baseline conditions, based on existing monitoring data, against which validation monitoring results can be compared, as outlined in PO2. The operator shall not commence the validation program until written approval is received from the Environment Agency.
PO2	<p>The operator shall submit a written site commissioning validation report associated with the change in operational procedure (relocation of the shredder) to the Environment Agency for approval. This should include revalidation of the autoclave cycles (load weight, cycle time, temperature and pressure) and also seek to confirm that there is no significant additional risk associated with shredding untreated waste.</p> <p>The report shall include, as a minimum:</p> <ul style="list-style-type: none"> • a microbial efficacy analysis, that demonstrates that the choice of test organisms, the method of introduction to the plant, the choice of organism carrier, and the analytical method are adequate to demonstrate STAATT Level III criteria for a worst case scenario challenge load in accordance with the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011); • evidence that the parametric controls, and procedures for real time monitoring and assessment of outputs are in place with respect to any waste treated; • evidence that the parametric control data relates to microbial efficacy so that waste can therefore be considered to be treated satisfactorily on the basis of parametric control alone in accordance with the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011); • confirmation of the pass criteria for the plant that demonstrates STAATT Level III criteria for a worst case scenario challenge load can be achieved; • an environmental monitoring assessment of the site that addresses process

Table S1.4A Pre-operational measures	
Reference	Pre-operational measures
	<p>emissions and routine monitoring of emissions in accordance with the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011). In particular, this should aim to demonstrate how the shredding of untreated waste changes the potential for fugitive microbial emissions. It should quantify the potential for microbial emissions, following the guidance set out in Annex 3 of s5.07 and compare the results of this monitoring exercise with the results of the monitoring that has already been carried out whilst shredding treated waste. Any significant increase in emissions from the already established baseline is unlikely to demonstrate BAT. Any emissions above the benchmarks specified in Annex 3 of s5.07 would not be regarded as BAT.</p> <ul style="list-style-type: none"> • an assessment of any improvements identified <p>The operator shall not commence the site commissioning validation assessment work until the plan submitted in line with PO1 has been approved. Approval of this plan will be deemed as authority to shred untreated waste, but only to the extent required to undertake the commissioning validation assessment work. Following the work defined in PO1, the shredding of untreated waste should cease again pending written approval from the EA, following review of the completed commissioning validation report.</p>
PO3	<p>The operator shall submit a written risk assessment considering the risk of fugitive emissions associated with the change in operational procedure (relocation of the shredder) to the Environment Agency for approval. The report shall include:</p> <ul style="list-style-type: none"> • necessary preventative measures for fugitive emissions, including odour and volatile organic compounds; • a proposal for undertaking ambient air, wastewater and surface monitoring; • a scale drawing showing the proposed monitoring locations; • an action plan that identifies actions to be taken should trigger levels be exceeded. <p>Any proposed preventative measures and monitoring shall be implemented from the date of approval by the Environment Agency.</p>

Condition 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:

- (c) process efficiency specified in table S3.4

Table S3.4 Efficacy limits and monitoring requirements

Emission point ref. & location	Parameter	Monitoring frequency	Limit	Monitoring standard or method
Steam treatment of waste in autoclaves and pre-treatment shredder	Routine treatment efficacy	Weekly during first six months of operation and monthly thereafter	STAATT Level III criteria have been demonstrated through >4 log ₁₀ inactivation of thermal – resistant indicator spores ¹	In accordance with requirements set out in the Sector Guidance Note EPR 5.07 for Clinical Waste (dated January 2011)

Note 1: 95% of the individual spore strips, in the first 6 months of operation, and each subsequent calendar year, must demonstrate 4 log₁₀ inactivation or higher (quantitative) or no growth (qualitative).

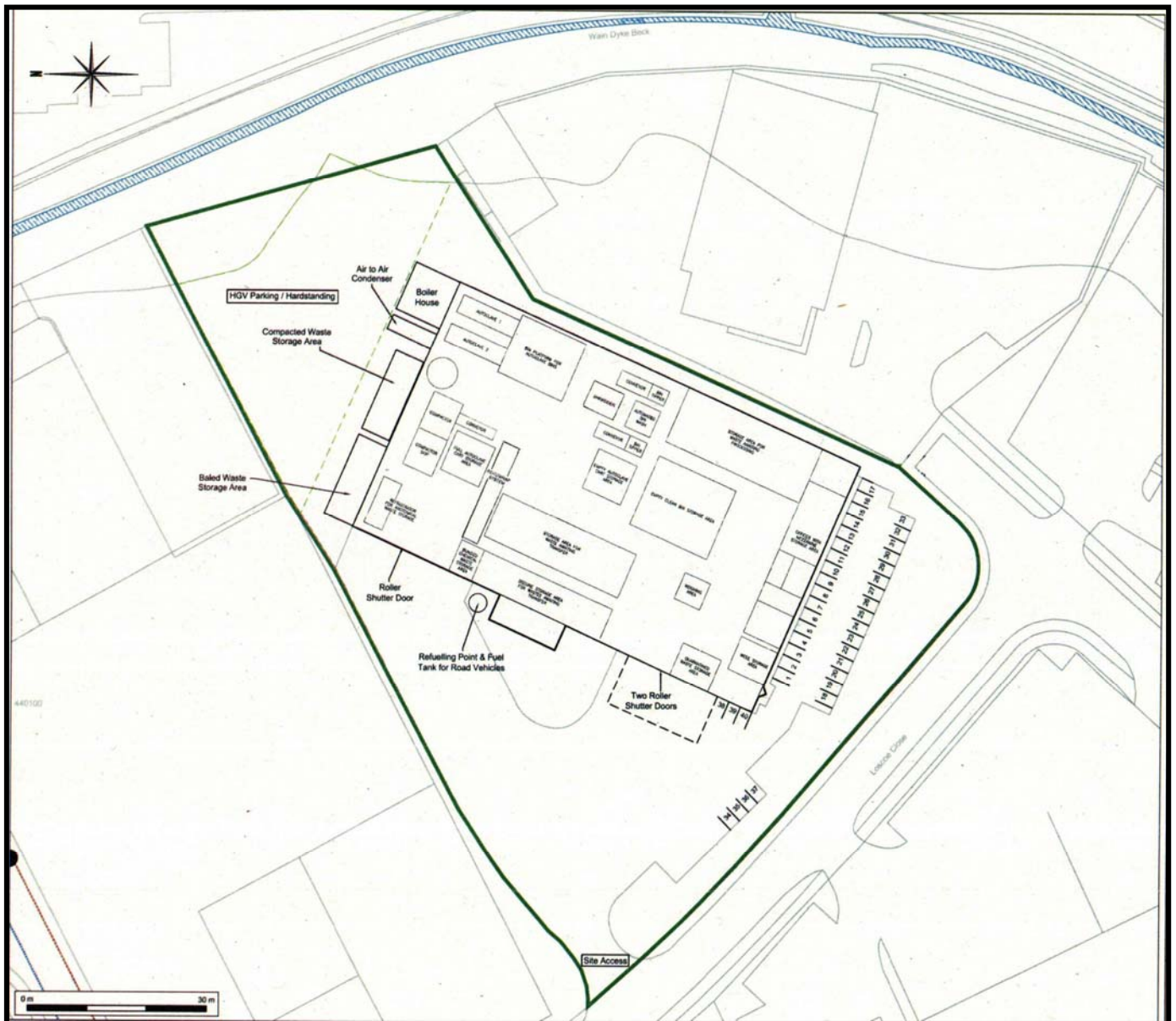
Thermal indicator strips must accompany each spore strip and indicate that the minimum time and temperatures have been achieved for 99% of spore strips.

Schedule 3 – conditions to be added

None

Schedule 4 – amended plan

Amended plan attached



Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Healthcare Environmental Services (Yorkshire)
Waste Transfer and Treatment Facility

Healthcare Environmental Services Limited
Unit 1
Loscoe Close
Normanton
WF6 1TW

Variation application number
EPR/VP3137TV/V003

Permit number
EPR/VP3137TV

Healthcare Environmental Services (Yorkshire) Waste Transfer and Treatment Facility

Permit number EPR/VP3137TV

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

This application relates to a change in fuel input for the main steam-raising boiler for the autoclave treatment process. The change to the fuel type from gas oil to dual fuel (gas oil/natural gas) enables the site to operate the steam boiler on natural gas during normal operation, resulting in a reduction of the site's direct carbon dioxide emissions and energy costs.

This change will not result in any change to the sites emission points, does not require the replacement of the existing steam-raising boiler and requires no additional storage tanks.

This variation relates to Directly Associated Activity (DAA) A2 as described in Table S1.1: Activities, of the site's permit.

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

Status log of the permit

Description	Date	Comments
Application received EPR/VP3137TV/A001	Duly made 15/09/10	Application for clinical waste transfer and treatment facility
Additional information received	30/11/10	
Additional information received	25/01/11	
Additional information received	26/01/11	
Additional information received	01/02/11	
Additional information received	16/02/11	
Additional information received	20/04/11	
Permit determined EPR/VP3137TV	21/04/11	
Variation Application EPR/VP3137TV/V002	Duly made 16/01/12	Application to pre-shred waste
Additional information received	10/02/12	
Additional information received	24/02/12	
Additional information received	02/05/12	
Variation determined EPR/VP3137TV	15/06/12	Varied permit issued.
Variation Application EPR/VP3137TV/V003	Duly made 22/03/13	Application to change fuel input for dual fuel steam generating boiler.
Variation determined EPR/VP3137TV	10/05/13	Varied permit issued.

End of introductory note

Notice of variation

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

Permit number
EPR/VP3137TV

issued to:

Healthcare Environmental Services Limited (“the operator”)

whose registered office is

Calderhead Road
Shotts
Lanarkshire
ML7 4EQ

company registration number **SC173861**

to operate a regulated facility at

Healthcare Environmental Services (Yorkshire)
Waste Transfer and Treatment Facility
Unit 1
Loscoe Close
Normanton
WF6 1TW

to the extent set out in the schedules.

The notice shall take effect from 10/05/2013

Name	Date
S Paterson	10/05/2013

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

The following conditions and related tables are amended as a result of the application made by the operator

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”).

Table S1.1 Activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
A1	S5.3 Part A (1) (a) Disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day	<p>D9: Physio-chemical treatment of hazardous and non hazardous waste specified in Schedule 2, table S2.2a</p> <p>D15: Storage of hazardous and non hazardous waste prior to treatment via autoclaves</p>	<p>From transfer of permitted waste into autoclaves and shredder, and subsequent maceration and transfer of waste to compactor unit.</p> <p>The waste types permitted for treatment via autoclaves are set out in Schedule 2 Table S2.2a and shall be carried out within the building edged in blue on the site plan at Schedule 7. Maximum quantity of permitted waste treated via autoclaves shall not exceed 72 tonnes per day.</p> <p>From receipt, segregation and storage of permitted waste to transfer for treatment in autoclaves.</p> <p>The waste types permitted for storage pending treatment via autoclaves are set out in Schedule 2 Table S2.2a and shall be carried out within the building edged in blue on the site plan at Schedule 7.</p> <p>Maximum quantity of permitted waste stored prior to treatment via autoclaves shall not exceed 144 tonnes at any one time.</p> <p>The maximum storage time for untreated permitted waste via autoclaves shall not exceed 48 hours.</p>
Directly Associated Activity			
A2	Steam production	Raising of steam for autoclaves and associated exhaust systems using a dual fuel boiler, net thermal input 3.9 MW _{th}	<p>From the receipt of fuel to despatch of heat and combustion products.</p> <p>The steam boiler will be run on natural gas during standard operation. The steam boiler will continue to have the capability to be run on gas oil when required.</p>
A3	Sharps bin washing	Steam cleaning of bins used for the storage of treatable waste	From the handling, cleaning and storage of bins to despatch for re-use.
Description of activities for waste operations		Limits of activities	
A4	<p><u>Waste Transfer Station</u></p> <p>D14: repackaging of wastes specified in Schedule 2 Table S2.2b prior to treatment on-site or disposal off-site</p> <p>D15: Storage of hazardous and non hazardous waste prior to despatch for off-site disposal</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage pending collection on the site where it was produced)</p>	<p>The waste types permitted for storage and repackaging are set out in Schedule 2 table S2.2b and shall be carried out within the building edged in blue at Schedule 7.</p> <p>Maximum quantity of permitted waste stored prior to disposal off-site shall not exceed 70 tonnes at any one time. The maximum storage time for untreated permitted waste prior to disposal off-site shall not exceed 168 hours (7 days).</p>	

Condition 2.3 Operating techniques

- 2.3.1 (a) 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 Table S1.2, unless otherwise agreed in writing by the Environment Agency.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	<p>Section 5 of Supporting Information in response to Question 3d – Management System, Part B2 of the application form.</p> <p>Section 4 of Supporting Information in response to Question 7 – Environmental Risk Assessment, Part B2 of the application form.</p> <p>Sections 1.1 – 1.4; 2.1 – 2.3 and 2.7 of Supporting Information in response to Question 3a – Technical Standards, Part B3 of the application form.</p> <p>Sections 2.7; 3.1 – 3.4 of Supporting Information in response to Question 3b – Management Plans (odour, fugitive emissions and noise/vibration), Part B3 of the application form.</p> <p>Section 5.3 of Supporting Information in response to Question 3c – Types and amount of raw materials, Part B3 of the application form.</p> <p>Section 3.4 of Supporting Information in response to Questions 4a and 4b – Monitoring, Part B3 of the application form.</p> <p>Section 5.5 of Supporting Information in response to Questions 6a and 6b – Resource Efficiency, Part B3 of the application form.</p> <p>Sections 5.3 and 5.4 of Supporting Information in response to Questions 6d and 6e, Part B3 of the application form.</p>	15/09/10
Response to email requesting further information dated 26/10/10	QHSE operating manual (except pre-acceptance questionnaires 1, 2 and 3); revised BAT assessment.	30/11/10
Response to email requesting further information dated 04/01/11	Revised site layout plan.	25/01/11
Response to email requesting further information dated 26/01/11	Clarification regarding source and description of proposed wastes to be accepted at the facility.	26/01/11

Application for Variation	Permit variation application and supporting Information entitled "Application for an Environmental Permit Variation" dated November 2011.	30/11/11
Response to Schedule 5 Notice dated 15/3/12 requesting further information	Number 4) Process description.	02/05/12
Application for Variation	Permit variation application (Form EPC - Part C0.5) and supporting information; email entitled RE: EPR Query: Healthcare Environmental Services (Normanton) EPR/VP3137TV.	22/03/2013

Schedule 3 – conditions to be added

None.

End of Variation Notice

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Healthcare Environmental Services (Yorkshire)
Waste Transfer and Treatment Facility

Healthcare Environmental Services Limited
Unit 1
Loscoe Close
Normanton Industrial Estate
Normanton
WF6 1TW

Variation application number
EPR/VP3137TV/V004

Permit number
EPR/VP3137TV

**Healthcare Environmental Services Limited,
Waste Transfer and Treatment Facility
Permit number EPR/VP3137TV**

Introductory note

This introductory note does not form a part of the notice

The following notice varies the environmental permit held by Healthcare Environmental Services Limited at their installation operated at Loscoe Close, Normanton Industrial Estate, Normanton, Yorkshire.

This application relates to a modification in the maximum permitted annual quantities of waste for storage and re-packaging contained within Table S2.2b of Schedule 2 of the Permit.

This notice does not alter any waste operation or any activity listed in Schedule 1 of the Environmental Permitting Regulation 2010, authorised by the permit.

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

Status log of the permit

Description	Date	Comments
Application received EPR/VP3137TV/A001	Duly made 15/09/10	Application for clinical waste transfer and treatment facility
Additional information received	30/11/10	
Additional information received	25/01/11	
Additional information received	26/01/11	
Additional information received	01/02/11	
Additional information received	16/02/11	
Additional information received	20/04/11	
Permit determined EPR/VP3137TV	21/04/11	
Variation Application EPR/VP3137TV/V002	Duly made 16/01/12	Application to pre-shred waste
Additional information received	10/02/12	
Additional information received	24/02/12	
Additional information received	02/05/12	
Variation determined EPR/VP3137TV	15/06/12	Varied permit issued.
Variation Application EPR/VP3137TV/V003	Duly made 22/03/13	Application to change fuel input for dual fuel steam generating boiler.
Variation determined EPR/VP3137TV	10/05/13	Varied permit issued.
Variation Application EPR/VP3137TV/V004	Duly made 31/12/13	Application to increase maximum annual waste tonnage.
Variation determined EPR/VP3137TV	04/02/14	Varied permit issued.

End of introductory note

Notice of variation

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

Permit number
EPR/VP3137TV

issued to:

Healthcare Environmental Services Limited (“the operator”)

whose registered office is

Calderhead Road
Shotts
Lanarkshire
ML7 4EQ

company registration number **SC173861**

to operate a regulated facility at

Healthcare Environmental Services (Yorkshire)
Waste Transfer and Treatment Facility
Unit 1
Loscoe Close
Normanton Industrial Estate
Normanton
WF6 1TW

to the extent set out in the schedules.

The notice shall take effect from 04/02/2014

Name	Date
A.J. Nixon	04 February 2014

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

The following conditions and related tables are amended as a result of the application made by the operator

2.3 Operating techniques

2.3.3 Waste shall only be accepted if:

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

Table S2.2b Permitted waste types and quantities for storage (D15/R13) and re-packaging (D14)	
Maximum annual tonnage	20,000 tonnes
Maximum storage capacity	70 tonnes at any one time
Waste code	Description
09	WASTE FROM THE PHOTOGRAPHIC INDUSTRY
09 01	wastes from the photographic industry
09 01 01*	water-based developer and activator solutions ²
09 01 02*	water-based offset plate developer solutions ²
09 01 03*	solvent based developer solutions ²
09 01 04*	fixer solutions ²
09 01 05*	bleach solutions and bleach fixer solutions ²
09 01 07	photographic film and paper containing silver or silver compounds ²
09 01 08	photographic film and paper free of silver or silver compounds ²
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 02	wastes from electrical and electronic equipment
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 01	sharps (except 18 01 03) ³
18 01 02	body parts and organs including blood bags and blood preserves (except 18 01 03) ³
18 01 03*	wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers) ³
18 01 06*	chemicals consisting of or containing dangerous substances (excluding X-ray photochemicals)
18 01 07	chemicals other than those mentioned in 18 01 06 (excluding X-ray photochemicals)
18 01 08*	cytotoxic and cytostatic medicines
18 01 09	medicines other than those mentioned in 18 01 08
18 01 10*	amalgam waste from dental care
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 01	sharps (except 18 02 02) ³
18 02 02*	wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection ³

Table S2.2b Permitted waste types and quantities for storage (D15/R13) and re-packaging (D14)	
Maximum annual tonnage	20,000 tonnes
Maximum storage capacity	70 tonnes at any one time
Waste code	Description
18 02 05*	chemicals consisting of or containing dangerous substances (excluding X-ray photochemicals)
18 02 06	chemicals other than those mentioned in 18 02 05 (excluding X-ray photochemicals)
18 02 07*	cytotoxic and cytostatic medicines
18 02 08	medicines other than those mentioned in 18 02 07
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 27*	paints, inks, adhesives and resins containing dangerous substances
20 01 29*	detergents containing dangerous substances
20 01 31*	cytotoxic and cytostatic medicines
20 01 32	medicines other than those mentioned in 20 01 31
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 99	other fractions not otherwise specified (comprising of separately collected fractions of municipal clinical waste (not arising from healthcare and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is subject to special requirements in order to prevent infection). Other fractions not otherwise specified (comprising only of non-clinical human and animal offensive/hygiene waste (not arising from healthcare and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is not subject to special requirements in order to prevent infection). ³
² These entries are limited to photographic wastes arising from healthcare and/or related research.	
³ These entries are limited to those wastes that are not described, packaged, labelled or transported as infectious or clinical wastes.	

Schedule 3 – conditions to be added

None.

End of Variation Notice

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Healthcare Environmental Services
Limited

Healthcare Environmental Services
(Yorkshire) Waste Transfer and
Treatment Facility
Unit 1
Loscoe Close
Normanton Industrial Estate
Normanton
WF6 1TW

Variation application number
EPR/VP3137TV/V005

Permit number
EPR/VP3137TV

Healthcare Environmental Services (Yorkshire) Waste Transfer And Treatment Facility

Permit number **EPR/VP3137TV**

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

Schedule 1 to the Environmental Permitting Regulations has been updated by the Environmental Permitting (England and Wales) (Amendment) Regulations 2013 to reflect the implementation of the Industrial Emissions Directive into England and Wales. This variation implements the changes made to Schedule 1 of the Regulations into Table S1.1 of the permit. Table S1.1 specifies the activities authorised by the permit.

The schedules to this variation specify the changes made to the original permit.

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

Status log of the permit		
Description	Date	Comments
Application received EPR/VP3137TV/A001	Duly made 15/09/10	Application for clinical waste transfer and treatment facility
Additional information received	30/11/10	
Additional information received	25/01/11	
Additional information received	26/01/11	
Additional information received	01/02/11	
Additional information received	16/02/11	
Additional information received	20/04/11	
Permit determined EPR/VP3137TV	21/04/11	
Variation Application EPR/VP3137TV/V002	Duly made 16/01/12	Application to pre-shred waste
Additional information received	10/02/12	
Additional information received	24/02/12	
Additional information received	02/05/12	
Variation determined EPR/VP3137TV	15/06/12	Varied permit issued.
Variation Application EPR/VP3137TV/V003	Duly made 22/03/13	Application to change fuel input for dual fuel steam generating boiler.
Variation determined EPR/VP3137TV	10/05/13	Varied permit issued.

Status log of the permit

Description	Date	Comments
Variation Application EPR/VP3137TV/V004	Duly made 31/12/13	Application to increase maximum annual waste tonnage.
Variation determined EPR/VP3137TV	04/02/14	Varied permit issued.
Agency variation determined EPR/VP3137TV/V005	05/03/14	Agency variation to implement the changes introduced by IED

End of introductory note

Notice of variation

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

Permit number
EPR/VP3137TV

issued to:
Healthcare Environmental Services Limited (“the operator”)

whose registered office is

Calderhead Road
Shotts
Lanarkshire
ML7 4EQ

company registration number **SC173861**

to operate a regulated facility at

Healthcare Environmental Services (Yorkshire) Waste Transfer and Treatment Facility
Unit 1
Loscoe Close
Normanton Industrial Estate
Normanton
WF6 1TW

to the extent set out in the schedules.

The notice shall take effect from 05/03/2014

Name	Date
Damien Matthias	05/03/2014

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as detailed, following an Environment Agency initiated variation

- Condition 1.2.1 now reads:
For the following activities referenced in schedule 1, table S1.1 (A1 to A5) the operator shall:
 - (a) take appropriate measures to ensure that energy is used efficiently in 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.
- Condition 1.3.1 now reads:
For the following activities referenced in schedule 1, table S1.1 (A1 to A5), 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 materials and water use; and
 - (d) take any further appropriate measures identified by a review.
- Condition 2.1.2 now reads:
For the following activities reference in schedule 1, table S1.1 (A1 to A5), waste authorised by this permit shall be clearly distinguished from any other waste on the site.
- Condition 4.2.4 now reads:
For the following activities referenced in schedule 1, table S1.1 (A1 to A5), a report of 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.

- Table S1.1 is amended to reflect the changes to Schedule 1 of the Environmental Permitting Regulations introduced by the Industrial Emissions Directive. The table now reads:

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1	S5.3A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day by physico-chemical treatment	D9: Physio-chemical treatment of hazardous and non hazardous waste specified in Schedule 2, table S2.2a	From transfer of permitted waste into autoclaves and shredder, and subsequent maceration and transfer of waste to compactor unit. The waste types permitted for treatment via autoclaves are set out in Schedule 2 Table S2.2a and shall be carried out within the building edged in blue on the site plan at Schedule 7. Maximum quantity of permitted waste treated via autoclaves shall not exceed 72 tonnes per day.
A2	S5.6A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	D15: Storage of hazardous and non hazardous waste prior to treatment via autoclaves	From receipt, segregation and storage of permitted waste to transfer for treatment in autoclaves. The waste types permitted for storage pending treatment via autoclaves are set out in Schedule 2 Table S2.2a and shall be carried out within the building edged in blue on the site plan at Schedule 7. Maximum quantity of permitted waste stored prior to treatment via autoclaves shall not exceed 144 tonnes at any one time. The maximum storage time for untreated permitted waste via autoclaves shall not exceed 48 hours.
Directly Associated Activity			
A3	Steam production	Raising of steam for autoclaves and associated exhaust systems using a dual fuel boiler, net thermal input 3.9 MWth	From the receipt of fuel to despatch of heat and combustion products. The steam boiler will be run on natural gas during standard operation. The steam boiler will continue to have the capability to be run on gas oil when required.
A4	Sharps bin washing	Steam cleaning of bins used for the storage of treatable waste	From the handling, cleaning and storage of bins to despatch for re-use.

Table S1.1 activities

	Description of activities for waste operations	Limits of activities
A5	Waste Transfer Station D14: repackaging of wastes specified in Schedule 2 Table S2.2b prior to treatment on-site or disposal off-site D15: Storage of hazardous and non hazardous waste prior to despatch for off-site disposal R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage pending collection on the site where it was produced)	The waste types permitted for storage and repackaging are set out in Schedule 2 table S2.2b and shall be carried out within the building edged in blue at Schedule 7. Maximum quantity of permitted waste stored prior to disposal off-site shall not exceed 70 tonnes at any one time. The maximum storage time for untreated permitted waste prior to disposal off-site shall not exceed 168 hours (7 days).

Schedule 3 – conditions to be added

None

Notice of transfer with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Sharpsmart Limited

Waste Transfer and Treatment Facility
Unit 1
Loscoe Close
Normanton Industrial Estate
Normanton
WF6 1TW

Transfer application number

EPR/XP3602PF/T001

Permit number

EPR/XP3602PF

Waste Transfer and Treatment Facility

Permit number EPR/XP3602PF

Introductory note

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

The following notice gives notice of the transfer of an environmental permit to a new operator (the transferee).

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 EPR/VP3137TV/A001	Duly made 15/09/10	Application for clinical waste transfer and treatment facility.
Additional information received	30/11/10	
Additional information received	25/01/11	
Additional information received	26/01/11	
Additional information received	01/02/11	
Additional information received	16/02/11	
Additional information received	20/04/11	
Permit determined EPR/CP3137TV	21/04/11	
Variation Application EPR/VP3137TV/V002	Duly made 16/01/12	Application to pre-shred waste.
Additional information received	10/02/12	
Additional information received	24/02/12	
Additional information received	02/05/12	
Variation determined EPR/VP3137TV	15/06/12	Varied permit issued.
Variation Application EPR/VP3137TV/V003	Duly made 22/03/13	Application to change fuel input for dual fuel system generating boiler.
Variation determined EPR/VP3137TV	10/05/13	Varied permit issued.
Variation Application EPR/VP3137TV/V004	Duly made 31/12/13	Application to increase maximum annual waste tonnage.

Status log of the permit		
Description	Date	Comments
Variation determined EPR/VP3137TV	04/02/14	Varied permit issued.
Agency variation determined EPT/VP3137TV/V005	05/03/14	Agency variation to implement changes introduced by IED.
Application EPR/XP3602PF/T001 (full transfer of permit EPR/VP3137TV)	Duly made 30/07/19	Application to transfer the permit in full to Sharpsmart Limited.
Transfer determined EPR/XP3602PF	13/08/19	Full transfer of permit complete.

End of introductory note

Notice of transfer

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 21 of the Environmental Permitting (England and Wales) Regulations 2016 transfers

Permit number

EPR/VP3137TV

to

Sharpsmart Limited (“the operator”)

whose registered office is

**Unit 44 Enterprise City
Meadowfield Avenue
Spennymoor
County Durham
DL16 6JF**

company registration number 04261387

to operate regulated facilities at

**Waste Transfer and Treatment Facility
Unit 1
Loscoe Close
Normanton Industrial Estate
Normanton
WF6 1TW**

from **Healthcare Environmental Services Limited**

The notice shall take effect from 13/08/2019

The number of the new permit granted to Sharpsmart Limited is EPR/XP3602PF

Name	Date
Anne Lloyd	13/08/2019

Authorised on behalf of the Environment Agency

RECORDED DELIVERY

FAO: Karl Sheehan
Sharpsmart Ltd
Unit 1
Meadowfield Avenue
Spennymoor
Durham
DL16 6JF

Data Configuration Team
Yorkshire Water
Western House
Western Way
Halifax Road
Bradford
BD6 2LZ

T Ben Langley (07790) 616295

Our Ref: WH/WWI/BR/1390417

20th August 2021

Dear Sir/Madam,

TRADE EFFLUENT DISCHARGE TO SEWER - DIRECTION NO: Y/4865/21D

I enclose for your attention two copies of a Direction amending the Consent conditions for the discharge of trade effluent to sewer from your premises. The bound copy is for your file, please sign the other copy on page 2 and return the document in the enclosed envelope for inclusion in the Official Register. Please note that until you sign and return the unbound copy the new conditions will not come into effect. You should understand that your signature in no way infringes your right of appeal to the Water Services Regulatory Authority.

Yours faithfully,

YWS Authorised Signatory

enc.

YORKSHIRE WATER SERVICES LTD

The Water Industry Act 1991 (here called "the Act")

NOTICE OF A DIRECTION

varying the Conditions attached to a Consent
to discharge trade effluent into a public sewer

To: Sharpsmart Ltd
Unit 1
Meadowfield Avenue
Spennymoor
Durham
DL16 6JF

By a Consent No. Y/3601/10C, Dated 29th September 2010 Yorkshire Water Services Ltd (here called ' YWS ') consented, subject to certain Conditions, to the discharge of trade effluent (here called "the effluent") into the public sewer from the premises (here called "the premises") now known as

Unit 1
Loscoe Close
Normanton Industrial Estate
Normanton
West Yorkshire
WF6 1TW

That Consent was subject to subsequent Direction. YWS, gives notice of its Direction pursuant to Section 124 of the Act, which shall take effect on 4th October 2021 that the Conditions attached to the said Consent and any Directions previously issued in respect of the said Consent shall be varied:-

- i) by revoking the Conditions attached thereto, and
- ii) by replacing the same with the following Conditions set out in the attached Direction Registration Number: Y/4865/21D

The owner or occupier of the premises may appeal against the attached Direction to the Water Services Regulatory Authority at the Office of Water Services Centre City Tower 7 Hill Street Birmingham B5 4UA. Any such appeal must be made within two months of YWS giving notice of the Direction, or at any time if the Water Services Regulatory Authority gives written permission.

DATED this 20th day of August 2021

Signed:

YWS Authorised Signatory

I/We:

have received the Notice and Direction, of which this is a copy

Dated:

Signed:

Print Name:

DIRECTION

YWS in the exercise of its powers under the Act, hereby GIVES ITS CONSENT to the discharge of trade effluent from the premises into the YWS public sewers, SUBJECT TO THE FOLLOWING CONDITIONS AND NOT OTHERWISE.

1. Communication with the Sewer

(1) The public sewer into which the effluent may be discharged is marked 'Z' on the attached plan.

(2) The effluent shall be discharged to enter only into the public sewer shown on the attached plan, at the point so shown marked 'X'. No connection for the discharge of effluent shall be made to the connecting pipe between such point and any measurement facilities referred to in the following Condition without the prior approval in writing of YWS.

2. Inspection and Measurement

(1) There shall be provided and maintained at all times at your expense at the point shown or otherwise indicated and marked as 'Y' on the said plan an inspection chamber or manhole or sample tap such as will enable a person readily and safely to take at any time samples of what is passing into the said sewer from the premises, and that chamber or manhole shall be a minimum size of 1,200 millimetres internal diameter for pre-cast concrete sections or 1,200 millimetres x 800 millimetres for engineering brickwork construction or such other suitable sampling facility to be constructed and maintained to the satisfaction of YWS.

(2) You shall allow YWS a right of access without notice for the purpose of inspecting, testing any equipment required under Condition 5(3) below and for obtaining any sample of the effluent.

3. Information to be Given

You shall supply to YWS all information reasonably requested for the control of the effluent and for the assessment or calculation of the charges in accordance with Condition 8.

4. Discharge Quantity and Rate

The quantity of the effluent discharged shall not exceed 10 cubic metres in any period of twenty-four hours.

The rate of discharge of the effluent shall not exceed 0.2 litres per second.

5. Nature of the Effluent

(1) Subject to the provisions of Conditions 5(2), 5(3) and 6 below, the effluent shall not contain any substance or be of a character other than as listed in the attached Schedule of Conditions and any such substance or character shall not be in a proportion greater than that there stated.

(2) No sample of the effluent taken from the point specified in 2.(1) shall contain prescribed substances in concentrations above background.

(3) There shall be provided, operated and maintained at all times at your expense, such equipment and/or systems including but not limited to chemical dosing as shall be approved by YWS, as will prevent the effluent, either alone or in combination with any matter in any sewer or receiving sewage treatment works vested in and/or under the control of YWS from giving rise to any obnoxious, poisonous or inflammable gases or otherwise a statutory nuisance as defined by the Environmental Protection Act 1990 in such sewer or sewage treatment works which would be deleterious to such sewer or to the processes in use at such sewage treatment works or to the disposal of sludges produced by such sewage treatment works.

6. Matter to be Excluded

Save as permitted by this Direction the effluent shall not contain:

- (1) Any matter likely to injure any public sewer or any sewer or drain communicating with a public sewer, or to interfere with the free flow of its contents, or to affect prejudicially the treatment and disposal of its contents; or
- (2) Any matter which, either alone or in combination with the contents of any public sewer or any sewer or drain communicating with a public sewer, is dangerous, or the cause of a nuisance, or prejudicial to health; or
- (3) Any petroleum spirit. For this purpose 'petroleum spirit' means any such:-
 - (a) crude petroleum; or
 - (b) oil made from petroleum, or from coal, shale, peat or other bituminous substances; or
 - (c) product of petroleum or mixture containing petroleum,

as when tested in the manner prescribed by or under the Petroleum (Consolidation) Act 1928 gives off an inflammable vapour at a temperature of less than 22.7 degrees Celsius.

7. Notification of Changed Effluent

You shall give to YWS prior written notice of any change in the process or the process materials or any other circumstances likely to alter the constituents of the effluent as set out in Condition 5 and the Schedule of Conditions. In such circumstances, no substance of which YWS has not had previous notice of may be discharged unless and until YWS has agreed to accept the substance at a limit imposed by YWS which shall then deemed to be incorporated in the said Schedule by agreement and shall not prejudice the right of YWS to serve a Direction earlier than two years from the date of such incorporation.

8. Charges

- (1) Payment for the treatment and disposal of the effluent and the costs of sampling and analysis of the same for control purposes shall be made to YWS by way of charges determined separately as stated below for the effluent discharged.
- (2) The charge under (1) above shall be calculated in accordance with the Yorkshire Water Services Limited Charges Schemes as from time to time amended.
- (3) The charge shall be payable by any person who is or was the occupier of the premises during the period of discharge of the effluent or at the date payment is due.

SCHEDULE OF CONDITIONS

- 1 The temperature of the effluent shall not exceed 43.3 degrees Celsius at the time of discharge.
- 2 The pH value of the effluent shall not be less than 6 nor more than 10 at the approved measuring point.
- 3 Settled Chemical Oxygen Demand shall not exceed 500 milligrammes per litre.
- 4 Settleable Solids shall not exceed 250 milligrammes per litre.

NOTES

1. Any person aggrieved by any condition contained in this Consent may appeal to the Water Services Regulatory Authority.
2. Compliance with these Conditions shall be ascertained by reference to the approved methods of analyses used, applied or adopted by YWS as from time to time amended.
3. For purposes of Condition 5 prescribed substances shall be taken as being those substances that are included in Schedule 1 of 'The Trade Effluents (Prescribed Processes and Substances) Regulations 1989' Statutory Instrument Number 1156 or any amendment or addition to the same.
4. For purposes of Condition 5 background shall assume the same meaning as defined in 'The Trade Effluent (Prescribed Processes and Substances) Regulations 1989' Statutory Instrument Number 1156 or any amendment or addition to the same.
5. Occupiers are reminded of their duty under the Health and Safety at Work etc Act 1974 to ensure that inspection and sampling of the effluent can be undertaken without risk to health or safety.
6. Entry to the premises by Officers of YWS for the purpose of inspecting and sampling the effluent is authorised under the Water Industry Act 1991.
7. If any condition of the Direction is contravened the occupier of the premises may be guilty of an offence and liable to conviction by a Magistrates' Court to a fine not exceeding the statutory maximum or on conviction by a Crown Court to an unlimited fine.

Unit 1
Loscoe Close
Normanton Industrial Estate
Normanton
West Yorkshire
URN: 1390417
Trade Effluent Drainage Plan



Trade effluent

Public sewer

Surface water

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X = connection to public sewer

Y = sample point

Z = the public sewer