

Notice of variation and consolidation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Polkacrest Wales Limited

Wrexham Clinical Waste Treatment
Plant and Transfer Station
Marlborough Road
Wrexham Industrial Estate
Wrexham
Clwyd
LL13 9RJ

Variation and consolidation application
number

EPR/RP3237SZ/V003

Permit number

EPR/RP3237SZ

Wrexham Clinical Waste Treatment Plant and Transfer Station

Permit number EPR/RP3237SZ

Introductory note

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

The following notice gives notice of the variation and consolidation of environmental permit.

This variation and consolidation notice adds Heat Disinfection Unit efficacy parameters to the existing permit and varies the permit boundary and conditions to cover inclusion of the activities currently carried out under the Waste Management Licence to operate a non-hazardous clinical waste transfer station. The permit has been updated using the 2010 standard template.

The Schedules specify the changes made to the permit.

Schedule 1 of this notice lists any changes to the original permit. Schedule 2 of this notice contains the varied and consolidated environmental permit, including revised site plan.

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

| Status Log of permit | | |
|--|-----------------------|---|
| Detail | Date | Response date |
| Application RP3237SZ (EPR/RP3237SZ/A001) | Duly made 31/08/05 | |
| Additional Information Schedule 4 notice | 03/03/06 | 20/03/06, 28/03/06, 31/03/06 and 11/04/06 |
| Request to extend determination period | 02/03/06 | 10/03/06 |
| Permit determined RP3237SZ (EPR/RP3237SZ/A001) | 23/06/06 | |
| Variation application EPR/RP3237SZ/V002 | Received 23/05/11 | Withdrawn 31/05/11 |
| Variation application EPR/RP3237SZ/V003 | Duly Made 07/06/11 | |
| Variation determined EPR/RP3237SZ/V003 (varied and consolidated permit issued) | 27/10/11 | |

Status Log for Licence EAWML 37223 relating to this consolidation

| Detail | Date | Comments |
|---|-------------|----------------------------------|
| Waste Management Licence EAWML 37223 to Eurocare Environmental Services Limited | 06/03/01 | |
| Notice of Modification | 10/06/02 | Full rewrite |
| Notice of Modification | 03/12/03 | Return of Financial Provision |
| Notice of Transfer to Sterile Technologies (Newcastle) Limited | 09/02/04 | |
| Variation determined EPR/RP3237SZ/V003 (varied and consolidated permit issued) | 27/10/11 | |

End of Introductory note

Notice of variation and consolidation

Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/RP3237SZ

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

Polkacrest Wales Limited (“the operator”)

whose registered office is

SITA House
Grenfell Road
Maidenhead
Berkshire
SL6 1ES

company registration number 05018899

to operate regulated facilities at

Wrexham Clinical Waste Treatment Plant and Transfer Station
Marlborough Road
Wrexham Industrial Estate
Wrexham
Clwyd
LL13 9RJ

to the extent set out in the schedules.

The notice shall take effect from 27/10/2011

| Name | Date |
|---|------------------------|
|  | 27 October 2011 |

Anne Nightingale
Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been replaced by the consolidated permit
EPR/RP3237SZ/V003 as a result of the application made by the operator.

Schedule 2 – varied and consolidated permit

Please see attached.

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Polkacrest Wales Limited

Wrexham Clinical Waste Treatment
Plant and Transfer Station
Marlborough Road
Wrexham Industrial Estate
Wrexham
Clwyd
LL13 9RJ

Permit number

EPR/RP3237SZ

Wrexham Clinical Waste Treatment Plant and Transfer Station

Permit number EPR/RP3237SZ

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The Installation accepts hazardous and non-hazardous waste which consists mainly of clinical waste. The operator either treats the waste in the Heat Disinfecting Unit (HDU) or transfers waste to a suitable licensed/permitted facility as a specified waste management operation.

The HDU consists of a shredder, waste treatment chamber and abatement equipment. Waste is shredded under negative pressure to prevent the release of dust, odours or pathogens. Collected gases are passed through a three-stage HEPA filter and discharged to atmosphere. The shredded material is treated in the Heat Disinfection Unit (HDU). Off-gases, including water vapour are cooled in a condenser and released to atmosphere through a scrubber and biofilters to abate odours. Condensed water is discharged to foul sewer. No waste treatment activities are undertaken outside the building apart from storage of some wastes in sealed containers. The waste leaves the HDU as a non-hazardous residue/flock for landfill.

The installation is located in Wrexham Industrial Estate on the same site as a separately permitted incinerator operated by the company. The site is more than 1km from a Natura 2000 designated site. There are no SSSIs within 2km of the site.

There are three point source emissions to air: the shredder hood, which is fitted with a HEPA filter; the HDU, which has a condenser, scrubber and biofilters; and the gas-fired oil heating system. There is a discharge to sewer under sewerage undertaker consent. Clean and uncontaminated surface water from the site discharges to the Red Whither Brook.

The operator has an environmental management system accredited to ISO14001.

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

Status log of the permit

| Description | Date | Comments |
|---|-----------------------|--|
| Application RP3237SZ (EPR/RP3237SZ/A001) | Duly made 31/08/05 | |
| Additional Information Schedule 4 notice | 03/03/06 | 20/03/06, 28/03/06, 31/03/06 and 11/04/06 |
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| Variation application EPR/RP3237SZ/V002 | Received 23/05/11 | Withdrawn 31/05/11 |
| Variation application EPR/RP3237SZ/V003 | Duly Made 07/06/11 | |
| Variation determined EPR/RP3237SZ/V003 (varied and consolidated permit issued) | 27/10/2011 | |

Status Log for Waste Management Licence relating to this consolidation

| Detail | Date | Comments |
|---|-----------------------|----------------------------------|
| Waste Management Licence EAWML 37223 to Eurocare Environmental Services Limited | 06/03/01 | |
| Notice of Modification | 10/06/02 | Full rewrite |
| Notice of Modification | 03/12/03 | Return of Financial Provision |
| Notice of Transfer to Sterile Technologies (Newcastle) Limited | 09/02/04 | |
| Variation application EPR/RP3237SZ/V003 | Duly Made 07/06/11 | |
| Variation determined EPR/RP3237SZ/V003 (varied and consolidated permit issued) | 27/10/2011 | |

Other Part A installation permits relating to this site

| Operator | Permit number | Date of issue |
|--|---------------|---------------|
| Polkacrest Wales Limited-Clinical Waste Incinerator | EPR/MP3239FQ | 12/05/11 |

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/RP3237SZ

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

Polkacrest Wales Limited (“the operator”),
whose registered office is

SITA House
Grenfell Road
Maidenhead
Berkshire
SL6 1ES

company registration number 05018899

to operate an installation and waste operations at

Wrexham Clinical Waste Treatment Plant and Transfer Station
Marlborough Road
Wrexham Industrial Estate
Wrexham
Clwyd
LL13 9RJ

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

| Name | Date |
|---|-------------------|
|  | 27/10/2011 |

Anne Nightingale

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 A7) 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 A7) The operator shall:

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

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

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 (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 S2.2, S2.3, 2.4, 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 hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

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

Hazardous waste storage and treatment

2.3.6 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

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, S3.2 and S3.3.
- 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 tables S3.1 and S3.3;
- (b) process monitoring specified in table S3.4;

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production /treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 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:
- (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.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “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 I and II operations | Limits of specified activity and waste types |
| A1 | Section 5.3 Part A(1)(a): The disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day. | D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any operations numbered D1 to D12 (in the heat disinfecting unit.) | Waste types as specified in table S2.2 |
| A2 | Section 5.3 Part A(1)(a): The disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day. | D15 Storage of Hazardous waste | Waste types as specified in table S2.3 |

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 |
|---|--|---|--|
| Directly Associated Activity | | | |
| A3 | Disposal of non-hazardous waste | D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any operations numbered D1 to D12 (in the heat disinfecting unit.) | Waste Types as specified in table S2.4 |
| A4 | Disposal of non-hazardous waste | D15 Storage of non hazardous waste | Waste types as specified in table S2.4. |
| A5 | Washing of clinical waste containers | Washing of containers used for clinical waste storage | No limit on capacity |
| A6 | Combustion plant | Gas fired boiler <0.5 MW | From receipt of fuel to emission of combustion gases |
| Description of activities for waste operations | | Limits of activities | |
| A7 | <p>D15: Temporary storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R13: Temporary storage of waste pending any other operation (excluding temporary storage, pending collection, on the site where it is produced)</p> | Waste types as specified in Tables S2.3 and S2.4 | |

Table S1.2 Operating techniques

| Description | Parts | Date Received |
|---|--|---|
| Application | The response to questions 2.1.4 to 2.1.10, 2.1.12 to 2.1.14, 2.1.17 to 2.1.24 and 2.2 of the application, (excluding answers to question 2.2.9) and excluding attachment 5 parts 8(2) and 9. | 31/08/05 |
| Response to Schedule 4 Notice Request dated 03/3/06 | Answers to points 5,9-12, 14-27 only | 20/03/06, 28/03/06, 31/03/06, 11/04/06 |
| Email from Stuart Budd, Sterile Technologies, dated 08/12/05 | All | 08/12/05 |
| Email from Stuart Budd Sterile Technologies, dated 25/01/06 | Hazardous and non-hazardous waste storage for Wrexham Plant only. | 25/01/06 |
| Email from Colm Harkin Sterile Technologies, dated 15/06/06 | Storage quantities for Wrexham facility only and description of wastes to be included. | 15/06/06 |
| Variation and consolidation application EPR/RP3237/SZ/V003 | All | 07/06/2011 |

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

| Raw materials and fuel description | Specification |
|------------------------------------|---------------|
| ----- | |

Table S2.2 Permitted waste types and quantities for Activity Reference A1 and A3- Heat Disinfection Unit

| | |
|-------------------------------|--|
| Maximum quantity | 24 tonnes per day of Hazardous and non-hazardous waste |
| Waste code | Description |
| 180103* <small>NOTE 1</small> | Wastes whose collection and disposal is subject to special requirements in order to prevent infection. |
| 150101 | Paper and cardboard packaging |
| 150105 | Composite packaging |
| 150106 | Mixed packaging |
| 150203 | Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 150202* |
| 180101 | Sharps (except 180103*) |
| 180102 | Body Parts and organs including blood bags and blood preserves (except 180103*) |
| 180103* | Wastes whose collection and disposal is subject to special requirements in order to prevent infection <small>Note 1</small> |
| 180104 | Wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen and disposable clothing, diapers) |
| 180107 | Chemicals other than those mentioned in 180106*. |
| 180109 | Medicines other than those mentioned in 180108*. |
| 180201 | Sharps (except 180202*) |
| 180202* | Wastes whose collection and disposal is subject to special requirements in order to prevent infection <small>Note 1</small> |
| 180203 | Wastes whose collection and disposal is not subject to special requirements in order to prevent infection |
| 180206 | Chemicals other than those mentioned in 180205*. |
| 180208 | Medicines other than those mentioned in 180207*. |
| 200101 | Paper and cardboard |
| 200110 | Clothes. |
| 200132 | Medicines other than those mentioned in 200231* |
| 200199 | Only to include: municipal sharps collection; substances and goods seized/confiscated by police and customs; soiled surgical dressings, swabs, nappies, feminine hygiene, incontinence pads and other similar soiled wastes collected from households, institutions and commercial and industrial premises; drugs related litter.) |

Note 1

Excluding: pharmaceutical waste in any form or containers; anatomical waste (identifiable human or animal tissue); carcasses; any waste known or likely to contain ACDP Hazard Group 4 biological agents; any waste from a containment level 3 laboratory; other microbial cultures unless an appropriate treatment methodology has been submitted and agreed by the Agency that demonstrates adequate containment and disinfection procedures; cytotoxic and cystostatic contaminated waste; medicinally contaminated sharps.

Table S2.3 Permitted waste types and quantities for Activity Reference A2 and A7-Storage of Hazardous Waste

| Maximum quantity | Maximum storage of 91.25 tonnes at any one time as follows:- Area in front of the HDU : 125 x 770 litre carts = 6.25 tonnes Yard Area : 25 x 1500 litre carts = 2.5 tonnes Yard Area : 450 x 770 litre carts = 22.5 tonnes Yard Area : 15 trailers = 60 tonnes |
|------------------|--|
| Waste code | Description |
| 150202* | Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths and protective clothing contaminated by dangerous substances ^{Note 1} |
| 180103* | Wastes whose collection and disposal is subject to special requirements in order to prevent infection ^{Note 1} |
| 180106* | Chemicals consisting of or containing dangerous substances ^{Note 1} |
| 180108* | Cytotoxic and cytostatic medicines ^{Note 1} |
| 180110* | Amalgam waste from dental care ^{Note 1} |
| 180202 | Wastes whose collection and disposal is subject to special requirements in order to prevent infection* ^{Note 1} |
| 180205 | Chemicals consisting of or containing dangerous substances* ^{Note 1} |
| 180207* | Cytotoxic and cytostatic medicines ^{Note 1} |
| 200131 | Cytotoxic and cytostatic medicines* ^{Note 1} |
| 090101* | Water -based developer and activator solutions ^{Note 2} |
| 090102* | Water -based offset plate developer solutions ^{Note 2} |
| 090103* | Solvent based developer solutions ^{Note 2} |
| 090104* | Fixer solutions ^{Note 2} |
| 090105* | Bleach and bleach fixer solutions ^{Note 2} |

Note 1

Excluding: pharmaceutical waste in any form or containers; anatomical waste (identifiable human or animal tissue); carcasses; any waste known or likely to contain ACDP Hazard Group 4 biological agents; any waste from a containment level 3 laboratory; other microbial cultures unless an appropriate treatment methodology has been submitted and agreed by the Agency that demonstrates adequate containment and disinfection procedures; cytotoxic and cystostatic contaminated waste; medicinally contaminated sharps.

Note 2

This is limited to wastes of this type arising from medical practices or associated research activities.

Table S2.4 Permitted waste types and quantities for Activity Reference A4 and A7-Storage of Non-Hazardous Waste

| | |
|-------------------|---|
| Maximum quantity | Maximum storage of 20 tonnes at any one time Maximum 12,000 tonnes per year |
| Waste code | Description |
| 150101 | Paper and cardboard packaging |
| 150105 | Composite packaging |
| 150106 | Mixed packaging |
| 150203 | Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 150202 |
| 180101 | Sharps (except 180103). |
| 180102 | Body Parts and organs including blood bags and blood preserves (except 180103*) |
| 180104 | Wastes whose collection and disposal is not subject to special requirements in order to prevent infection. |
| 180107 | Chemicals other than those mentioned in 180106 |
| 180109 | Medicines other than those mentioned in 180108. |
| 180201 | Sharps (except 180102). |
| 180203 | Wastes whose collection and disposal is not subject to special requirements in order to prevent infection. |
| 180206 | Chemicals other than those mentioned in 180205. |
| 180208 | Medicines other than those mentioned in 180207. |
| 200101 | Paper and cardboard |
| 200110 | Clothes. |
| 200132 | Medicines other than those mentioned in 200231 |
| 200199 | Only to include: municipal sharps collection; substances and good seized/confiscated by police and customs; soiled surgical dressings, swabs, nappies, feminine hygiene, incontinence pads and other similar soiled wastes collected from households, institutions and commercial and industrial premises; drugs related litter.) |
| 090107 | Photographic film and paper containing silver or silver compounds ^{Note 2} |
| 090108 | Photographic film and paper free of silver or silver compounds ^{Note 2} |

Note 2

This is limited to wastes of this type arising from medical practices or associated research activities.

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 (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|--|-------------------------|--------------------------------------|------------------------|------------------|----------------------|--|
| A1 as detailed on 'Air Emissions Plan' | Total aerobic bacteria | Shredder hood via HEPA filter | 1000cfu/m ³ | | Quarterly | As specified in Appendix 6. Sector Guidance Note S5.06 |
| A1 as detailed on 'Air Emissions Plan' | Total coliform bacteria | Shredder hood via HEPA filter | 300 cfu/m ³ | | Quarterly | As specified in Appendix 6. Sector Guidance Note S5.06 |
| A1 as detailed on 'Air Emissions Plan' | Total fungi | Shredder hood via HEPA filter | 1000cfu/m ³ | | Quarterly | As specified in Appendix 6. Sector Guidance Note S5.06 |
| A2 as detailed on 'Air Emissions Plan' | Total aerobic bacteria | Heat disinfection unit, via scrubber | 1000cfu/m ³ | | Quarterly | As specified in Appendix 6. Sector Guidance Note S5.06 |
| A2 as detailed on 'Air Emissions Plan' | Total coliform bacteria | Heat disinfection unit, via scrubber | 300 cfu/m ³ | | Quarterly | As specified in Appendix 6. Sector Guidance Note S5.06 |
| A2 as detailed on 'Air Emissions Plan' | Total fungi | Heat disinfection unit, via scrubber | 1000cfu/m ³ | | Quarterly | As specified in Appendix 6. Sector Guidance Note S5.06 |
| A3 as detailed on 'Air Emissions Plan' | None | Gas fired oil heating system | - | - | - | - |

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

| Emission point ref. & location | Parameter | Source | Limit (incl. unit) | Reference Period | Monitoring frequency | Monitoring standard or method |
|---|-----------|---|--------------------|------------------|----------------------|-------------------------------|
| W1, shown as point "leaves site" on 'Drainage Plan' | - | Clean uncontaminated surface water only | - | - | - | - |

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site- emission limits and monitoring requirements

| Emission point ref. & location | Parameter | Source | Limit (incl. Unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|---|-----------|---|--------------------|------------------|--|---|
| S1 shown as "to sewer" on 'drainage plan' | Flow | Drainage from within the building and process water | - | - | Reported as daily average over 1 month | Estimated from incoming water meter readings. |

Table S3.4 Process monitoring requirements

| Emission point reference or source or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|---|--------------------|----------------------|--|----------------------|
| Heat Disinfection Unit | Treatment Efficacy | Monthly | As specified in Appendix 6. Sector Guidance Note S5.06 | |

Schedule 4 - Reporting

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

Table S4.1 Reporting of monitoring data

| Parameter | Emission or monitoring point/reference | Reporting period | Period begins |
|---|--|------------------|---------------|
| Emissions to air Parameters as required by condition 3.5.1 | A1, A2 | Every 12 months | 01/01/06 |
| Emissions to sewer Parameters as required by 3.5.1 | S1 | Every 3 months | 01/01/06 |

Table S4.2: Annual production/treatment

| Parameter | Units |
|--|--------|
| Amount of waste treated in the Heat disinfection unit per year | tonnes |

Table S4.3 Performance parameters

| Parameter | Frequency of assessment | Units |
|--------------|-------------------------|------------------------|
| Water usage | Annually | m ³ /tonnes |
| Energy usage | Annually | MJ/tonne |

Table S4.4 Reporting forms

| Media/parameter | Reporting format | Date of form |
|--|---|--------------|
| Air | Form air 1 or other form as agreed in writing by the Agency | 28/10/2011 |
| Sewer | Form Sewer 1 or other form agreed in writing with the Agency | 28/10/2011 |
| Water usage | Form water usage1 or other form as agreed in writing by the Agency | 28/10/2011 |
| Energy usage | Form energy 1 or other form as agreed in writing by the Agency | 28/10/2011 |
| Treatment efficacy of the heat disinfection unit | Form performance 1 or other form as agreed in writing by the Agency | 28/10/2011 |
| Amount of waste treated in the heat disinfection unit per year | Form performance 1 or other form as agreed in writing by the Agency | 28/10/2011 |

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

| | |
|--------------------------------|--|
| Permit Number | |
| Name of operator | |
| Location of Facility | |
| Time and date of the detection | |

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection

| | |
|--|--|
| Date and time of the event | |
| Reference or description of the location of the event | |
| Description of where any release into the environment took place | |
| Substances(s) potentially released | |
| Best estimate of the quantity or rate of release of substances | |
| Measures taken, or intended to be taken, to stop any emission | |
| Description of the failure or accident. | |

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection 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 |
| All parameters | 24 hours |

| (c) Notification requirements for the detection of any significant adverse environmental effect | |
|--|--|
| To be notified within 24 hours of detection | |
| Description of where the effect on the environment was detected | |
| Substances(s) detected | |
| Concentrations of substances detected | |
| Date of monitoring/sampling | |

Part B - to be submitted as soon as practicable

| | |
|--|--|
| Any more accurate information on the matters for notification under Part A. | |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident | |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission | |
| The dates of any unauthorised emissions from the facility in the preceding 24 months. | |

| | |
|------------------|--|
| Name* | |
| Post | |
| Signature | |
| Date | |

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

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

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

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

“best available treatment, recovery and recycling techniques” shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled “Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRR) and Treatment of Waste Electrical and Electronic Equipment (WEEE);

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

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

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

“emissions to land” includes emissions to groundwater.

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

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“hazardous property” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“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).

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

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

“*R*” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“*recovery*” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“*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.

“*Waste Framework Directive*” or “*WFD*” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

“*year*” means calendar year ending 31 December.

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

This is the plan referred to in condition 2.2.1



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END OF PERMIT