

# Notice of variation and consolidation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

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The Cambridge Pet Crematorium

Vetspeed Limited  
A505 Main Road  
Thriplow Heath  
Royston  
Hertfordshire  
SG8 7RR

Variation and consolidation notice  
number

EA/EPR/MP3930BE/V004

Permit number

MP3930BE

# The Cambridge Pet Crematorium Permit number MP3930BE

## Introductory note

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

This notice is to advise you of the variation of environmental permits ZP3734XX and EAWML 70139 referred to in the status logs below and the replacement of those permits with a consolidated environmental permit.

This variation was issued to allow, subject to pre-operational conditions, the operation of new incinerator (cremator) to replace the obsolete incinerator (old) Line 1. This plant will be used exclusively for the individual cremation of pet cadavers (animal by-product material, category 1). This variation allows the temporary operation of Line 3 until it is decommissioned following the commissioning of the (new) Line 1.

In addition, Operational conditions relating to the obsolete Line 2 (WID) plant have been removed until a further variation is completed to take into account the revised BAT for WID plant.

Line 4 is unaffected by this variation.

This variation also updated the conditions to the latest permit template and the opportunity was also taken to consolidate with EPR permit EAWML 70139.

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

### **Status Log of permit EPR/MP3930BE (Permit A)**

<b>Detail</b>	<b>Date</b>	<b>Response Date</b>
Application MP3930BE	Received 01/04/2005	
Response to request for incineration procedures and waste handling.	Request dated 04/11/2005	Response dated 21/11/2005
Response to request for waste types received for incineration at installation.	Request dated 18/11/2005	Response dated 21/11/2005
Permit determined	20/12/2005	
Response to request for information on Specified Waste Management Activities.	Request dated 5/11/2006	Response dated 27/4/2006
Variation LP3034LN	17/08/2006	
Variation ZP3734XX	28/04/2008	
Variation Application EA/EPR/MP3930BE/V004	21/10/2010	
Variation Determined	10/12/2010	

**Status Log of permit B: EAWML 70139 (Permit B)**

<b>Detail</b>	<b>Date</b>	<b>Response Date</b>
EAWML 70139 (LS97) Issued	18/12/1989	
EAWML 70139 (LS97) Modified	15/05/1995	
EAWML 70139 (LS97) Modified	22/08/2008	
EAWML 70139 (LS97) Modified	22/12/2008	
Variation determined	10/12/2010	
Consolidated permit number EPR/MP3930BE		

End of Introductory note

**Notice of variation and consolidation**

Environmental Permitting  
(England and Wales) Regulations 2010

Permit number

**MP3930BE**

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 (SI 2000 No 675) (the Regulations) varies the environmental permits as set out below and in exercise of its powers under Regulation 18 of the Regulations replaces them with a consolidated environmental permit in the form set out in Schedule 2.

Permit	Site address	Type of regulated facility	Original permit number
<b>A</b>	<b>Cambridge Pet Crematorium A505 Main Road Thriplow Heath Royston Hertfordshire SG8 7RR</b>	<b>Clinical Waste Treatment Facility and Pet Crematorium</b>	<b>MP3930BE</b>
<b>B</b>	<b>Cambridge Pet Crematorium A505 Main Road Thriplow Heath Royston Hertfordshire SG8 7RR</b>	<b>Pet Cemetery</b>	<b>EAWML 70139 (LS 97)</b>

The conditions of environmental permits A and B, held by:

**Vetspeed Limited** ("the operator"),

whose registered office/or principal office is

**The Cambridge Pet Crematorium  
A505 Main Road  
Thriplow Heath  
Royston  
Hertfordshire  
SG8 7RR**

company registration number 1449974

are varied to the extent set out in the Schedule 1 to this notice and replaced with a consolidated environmental permit in the form set out in Schedule 2.

This notice shall take effect from 10 December 2010.

Name	Date
<b>PAUL BUTLER</b>	10 December 2010

Authorised on behalf of the Environment Agency

## **Schedule 1: Variations to Environmental Permits A and B**

Permit A: EPR/MP3930BE

The following conditions were varied on the application of the operator:

- condition 2.1.1 (Schedule 1, table S1.1) was replaced with condition condition 2.1.1 (Schedule 1, table S1.1).
  - condition 2.3.1 (Schedule 1, table S1.2) was replaced with condition condition 2.3.1 (Schedule 1, table S1.2).
  - condition 2.5.1 (Schedule 1, table S1.3) was replaced with condition condition 2.3.1 (Schedule 1, table S1.3).
  - condition 3.1.1 (Schedule 4, table S4.1, S4.2, S4.3, S4.4) was replaced with condition 3.1.1 (Schedule 3, table S3.1, S3.2, S3.3, S3.4).
  - condition 4.2.1 (Schedule 5, table S5.1, S5.2, S5.3, S5.4) was replaced with condition 4.2.1 (Schedule 4, table S341, S4.2, S4.3, S4.4).
- all other conditions were replaced with new template conditions.

Permit B: EAWML 70139

All conditions were replaced with new template conditions.

## **Schedule 2 – Form of consolidated environmental permit]**

# **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 Finance**

1.2.1 The operator shall ensure that the charges it makes for the disposal of waste, onto or into permitted land, cover the cost of operating that permitted area, the cost of the financial provision and the estimated costs for the closure and aftercare of that permitted area.

1.2.2 The operator shall demonstrate that the funds required by condition 1.2.1 are available at the written request of the Environment Agency.

# **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”).

2.2.1 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 Waste shall only be accepted if:
  - (a) it is of a type and quantity listed in schedule 2 tables S2.1, S2.2, S2.3, S2.4; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.3 Bottom ash and APC residues shall not be mixed.
- 2.3.4 For the following activities referenced in schedule 1, table S1.1, A3, WID Excluded Waste shall not be charged, or shall cease to be charged, if:
  - (a) the secondary combustion chamber temperature is below, or falls below, 850°C or
  - (b) any continuous emission limit value in schedule 3 table S3.1 is exceeded.
- 2.3.5 For the following activities referenced in schedule 1, table S1.1, A3. The operator shall have at least one auxiliary burner in each line at start up or shut down or whenever the operating temperature falls below that specified in condition 2.3.5, as long as incompletely burned waste is present in the combustion chamber. Unless the temperature specified in condition 2.3.5 is maintained in the combustion chamber, such burners may be fed only with fuels which result in emissions no higher than those arising from the use of gas oil, liquefied gas or natural gas.

## **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **2.5 Pre-operational conditions**

- 2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.4 and S3.5.
- 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.

### **3.4 Noise and vibration**

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.



## **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1;
  - (b) ash quality specified in table S3.2;
  - (c) process monitoring specified in table S3.3.
- 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.

## **3.6 Pests**

- 3.6.1 The activities shall not give rise to pollution or hazards from pests. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

# **4 Information**

## **4.1 Records**

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

- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

## 4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
  - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2 ; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

## 4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
  - (b) the breach of a limit specified in the permit; or
  - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and

- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

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

4.3.4 In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name or address and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

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

## **4.4 Interpretation**

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

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

# Schedule 1 - Operations

**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	Section 5.3 A(1) (a)	<p>The disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day.</p> <p>Physico-chemical treatment of waste (steam treatment in autoclaves); D10.</p>	<p>From receipt and segregation of waste to storage and despatch of treated waste.</p> <p>Includes storage of treatable waste prior to treatment, but excludes storage of non-treatable waste.</p> <p>No waste types shall be processed by the treatment activity other than those specified in Schedule 2 Table S2.1.</p>
A2	Section 5.1 A(1) (a)	<p>Incineration of hazardous waste in an incineration plant.</p> <p>This includes the entire incineration plant including all incineration lines, waste reception, storage, on site pre-treatment facilities, waste-fuel and air-supply systems, boiler, facilities for the treatment of exhaust gases, on-site facilities for treatment or storage of residues and waste water, stack, devices and systems for controlling incineration operations; D10.</p>	<p>Incineration of non-hazardous WID waste and hazardous clinical WID waste limited to 350 kg/hr in Incineration Line 2.</p> <p>No waste types shall be incinerated by Line 2 until a further variation of the permit conditions are carried out.</p>
A3	Section 5.1 A(2) (c)	<p>The incineration of animal carcasses in a plant, which is not an incineration plant or a co-incineration plant, with a capacity of more than 10 tonnes per day but less than 1 tonne per hour.</p>	<p>Incineration of WID excluded animal by-products only in New Line 1, Old Line 3 and Existing Line 4.</p> <p>No waste types shall be processed by incinerators other than those specified in Schedule 2 Table S2.2.</p>
<b>Directly Associated Activity</b>			

**Table S1.1 activities**

A4	Boiler for steam production for Autoclave	Kerosene fired steam raising boiler; Net rated thermal input approximately 1.5MWth.	Includes oil receipt and storage, and demineralised water plant.
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	Description of activities for waste operations	Limits of activities
A5	<p><b>R13:</b> 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><b>D15:</b> Storage pending any of the operations numbered D01 to D14 (excluding temporary storage pending collection on the site where it is produced).</p> <p><b>D1:</b> Disposal of waste into or onto land</p>	<p>From receipt, and segregation of wastes, to final dispatch.</p> <p>No waste types shall be processed by the treatment activity other than those specified in Schedule 3 Table S3.4 and Table S3.5.</p> <p>Waste shall be deposited greater than 1m above the local groundwater table.</p> <p>Waste deposited in or on ground, excluding waste deposited in the columbarium, shall be deposited a minimum of 0.5m below the ground surface.</p>

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 and given in pages 6-80 inclusive of the Application	31/03/2005
Response to Notice	The response to questions 1-22 sent 04/11/2005 and questions 1 and 2 sent 18/11/2005	21/11/2005
Letter	The response provided to pre-operational conditions 1.6.1 and 1.6.2 in Variation LP3034LN	26/03/2008
Letter	The response to email sent 08/04/2008 detailing maximum waste volume throughputs.	21/04/2008
Application EA/EPR/MP3930BE/V004	The response to questions 3 in Part C of Variation Application EA/EPR/MP3930BE/V004.	21/10/2010
Schedule 5 Notification Response	The responses to questions 1 to 5 of the Schedule 5 Notification dated 30 November 2010.	09/12/2010

**Table S1.3 Improvement programme requirements**

<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
1	The operator shall submit a report detailing the proposed timescales for the replacement of Line 4.	01/12/210

**Table S1.4 Pre-operational measures for future development**

<b>Reference</b>	<b>Operation</b>	<b>Pre-operational measures</b>
1	New Line 1	The operator shall submit a report demonstrating that the new plant has been installed as satisfactory and that commissioning trials have demonstrated performance measures have been met before the start of commercial operations of the new Line 1
2	Old Line 3	The old Line 3 will be decommissioned, to the satisfaction of the Environment Agency, within 2 weeks of the commercial operation of the new Line 1

## Schedule 2 - Waste types, raw materials and fuels

**Table S2.1 Permitted waste types and quantities for steam treatment in autoclaves and subsequent compaction**

<b>Maximum quantity</b>	34 tonnes per day
<b>Exclusions</b>	Notwithstanding the specification of waste types below, wastes <b>shall not</b> be treated at the installation which have any of the following characteristics: (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).
<b>Waste code</b>	<b>Description</b>
18 01 03*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 02 02*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection
20 01 99	Other fractions not otherwise specified

**Table S2.2 Permitted waste types and quantities for on-site disposal in WID excluded Incineration Units**

<b>Maximum quantity</b>	750Kg per hour
<b>Exclusions</b>	Notwithstanding the specification of waste types below, wastes <b>shall not</b> be treated at the installation which have any of the following characteristics: <b>(i) Wastes that are not excluded under Article 2(2) of the Waste Incineration Directive</b>
<b>Waste code</b>	<b>Description</b>
02 01 02	Animal-Tissue Waste
02 02 02	Animal-Tissue Waste
02 02 03	Materials unsuitable for consumption or processing
18 02 02*	Wastes whose collection & disposal is subject to special requirements in order to prevent infection
18 02 03	Wastes whose collection & disposal is not subject to special requirements in order to prevent infection
20 01 99	Other fractions not otherwise specified

**Table S2.3 Permitted waste types and quantities for storage and transfer off-site/on-site for disposal or recovery**

<b>Maximum quantity</b>	100 Tonnes total of hazardous and non-hazardous waste types.
<b>Waste code</b>	<b>Description</b>
07 05 13*	Solid Wastes containing dangerous substances
07 05 14	Solid Wastes other than those mentioned in 07 05 13
09 01 01*	Water-based developer and activator solutions
09 01 02*	Water-based offset plate developer solutions
09 01 03*	Solvent-based developer solutions
09 01 04*	Fixer solutions
09 01 05*	Bleach Solutions and bleach fixer solutions
09 01 06*	Wastes containing silver from on-site treatment of photographic wastes
09 01 13*	Aqueous Liquid Waste from on-site reclamation of solvent other than those mentioned in 09 01 06
15 01 10*	Packaging containing residues of our contaminated by dangerous substances
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
16 02 11*	Discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 03 03*	Inorganic wastes containing dangerous substances
16 03 05*	Organic wastes containing dangerous substances
16 05 04*	Gases in pressure containers (including halons) containing dangerous substances
18 01 10*	Amalgam waste from dental care
18 01 03*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 01 06*	Chemicals consisting of or containing dangerous substances
18 01 08*	Cytotoxic and Cytostatic medicines
18 02 02*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 01 03*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 02 07*	Cytotoxic and Cytostatic medicines
20 01 17*	Photochemicals
20 01 19*	Pesticides
20 01 23*	Discarded equipment containing chlorofluorocarbons
20 01 31*	Cytotoxic and Cytostatic medicines
02 01 03	Plant-tissue waste
02 02 02	Animal Tissue Waste
02 02 03	Materials unsuitable for consumption or processing
02 03 04	Materials unsuitable for consumption or processing
02 05 01	Materials unsuitable for consumption or processing
02 06 01	Materials unsuitable for consumption or processing
02 07 04	Materials unsuitable for consumption or processing
04 01 01	Fleshings and lime split wastes
09 01 07	Photographic film and paper containing silver or silver compounds
09 01 08	Photographic film and paper free of silver or silver compounds
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging



**Table S2.3 Permitted waste types and quantities for storage and transfer off-site/on-site for disposal or recovery**

<b>Maximum quantity</b>	100 Tonnes total of hazardous and non-hazardous waste types.
<b>Waste code</b>	<b>Description</b>
15 01 06	Mixed packaging
15 01 07	Glass packaging
15 01 09	Textile packaging
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16 03 04	Inorganic Wastes other than those mentioned in 16 03 03
16 03 06	Organic Wastes other than those mentioned in 16 03 05
16 05 05	Gases in pressure containers other than those mentioned in 16 05 04
18 01 01	Sharps (except 18 01 03)
18 01 02	Body parts & Organs including blood bags and blood preserves (except 18 01 03)
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)
18 01 07	Chemicals other than those mentioned in 18 01 06
18 01 09	Medicines other than those mentioned in 18 01 08
18 02 01	Sharps (except 18 02 02)
18 02 03	Wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 02 06	Chemicals other than those mentioned in 18 02 05
18 02 08	Medicines other than those mentioned in 18 02 07
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11
20 01 01	Paper and Cardboard
20 01 02	Glass
20 01 11	Textiles
20 01 32	Medicines other than those mentioned in 20 01 31
20 01 39	Plastics
20 01 40	Metals
20 01 99	Other fractions not otherwise specified
20 03 03	Street Cleaning Residues

**Table S2.4 Permitted waste types and quantities for deposit to land.**

<b>Maximum quantity</b>	Waste, comprising the ash from the cremation of dead domestic pets and their immediate wrapping or container shall be deposited at an average rate of $\leq 20\text{kg per m}^2$
<b>Exclusions</b>	Notwithstanding the specification of waste types below, wastes <b>shall not</b> be deposited at the site which have any of the following characteristics: <b>(i) Pet carcasses classified as infectious waste.</b> <b>(ii) Bottom ash and slag from an activity other than the cremation of dead domestic pets and their immediate wrappings or containers.</b>
<b>Waste code</b>	<b>Description</b>
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11.

## Schedule 3 – Emissions and monitoring

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location [Note 1]	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Particulate Matter	Incineration Line 1	100 mg/m <sup>3</sup>	Minimum 6-hour period	Annually [Note 2]	As per M2 Version 7 August 2010, as amended.
A3		Incineration Line 3			Once every 6 months	
A4		Incineration Line 4			Once every 6 months	
A1	Total Organic Carbon (TOC)	Incineration Line 1	20 mg/m <sup>3</sup>	Minimum 6-hour period	Annually [Note 2]	As per M2 Version 7 August 2010, as amended.
A3		Incineration Line 3			Once every 6 months	
A4		Incineration Line 4			Once every 6 months	
A1	Carbon monoxide	Incineration Line 1	100 mg/m <sup>3</sup>	Minimum 6-hour period	Annually [Note 2]	As per M2 Version 7 August 2010, as amended.
A3		Incineration Line 3			Once every 6 months	
A4		Incineration Line 4			Once every 6 months	
A1	Hydrogen Chloride	Incineration Line 1	100 mg/m <sup>3</sup>	Minimum 6-hour period	Annually [Note 2]	As per M2 Version 7 August 2010, as amended.
A3		Incineration Line 3			Once every 6 months	
A4		Incineration Line 4			Once every 6 months	
A1	Dioxins / furans (I-TEQ)	Incineration Line 1	1 ng/m <sup>3</sup>	Minimum 6 hours, maximum 8 hour period	Annually [Note 2]	As per M2 Version 7 August 2010, as amended.
A3		Incineration Line 3			Once every 6 months	
A4		Incineration Line 4			Once every 6 months	
A5	-	Rotoclave Boiler	-	-	-	-

Note 1: See Site Plan in Schedule 7 for location of emission points.

Note 2: Periodic Monitoring on Line 1 to be carried out every 6 months for first year of operation.

**Table S3.2 Ash Quality**

Emission point reference or source or description of point of measurement	Parameter	Limit	Monitoring frequency	Monitoring standard or method	Other Specification
Bottom Ash Lines 1, 3 and 4	TOC	3%	Bi-Annual	Environment Agency Ash Sampling Protocol	

**Table S3.3 Process monitoring requirements**

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
A1, A3 and A4 Secondary Combustion Chamber	Temperature	Continuous	As per application	
A1, A3 and A4 Secondary Combustion Chamber	Oxygen Content	Continuous		
A1, A3 and A4 Stack	Particulate Matter	Continuous		
A1, A3 and A4 Stack	Carbon Monoxide	Continuous		Quantitative measurement required
Rotoclave 1	Microbial Inactivation Monitoring	Every 2 months	As per Environment Agency Guidance Note 5.06, Appendix 6, as amended.	
Rotoclave 2	Microbial Inactivation Monitoring	Every 2 months		
Bottom Ash Line 3 and 4	Protein	Bi-annual	Environment Agency Ash Sampling Protocol	

**Table S3.4 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
No. 1 Effluent Treatment Plant (situated at rear of incineration plant).	-	Scrubber liquor from incineration Line 4 and potentially contaminated yard water.	-	-	-	-

**Table S3.5 Point source emissions to land (other than sewer), emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
WL1 (surface water Pump house detailed in perm/05 in application)	-	Site Drainage from the roof of the buildings and non-contaminated yard drainage.	-	-	-	-
WL2 (cremation ash of dead domestic pets) located as described in Schedule 7.	-	Ash from the cremation of dead domestic pets, as described in Table 2.4.	-	-	-	-

## 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
Parameters as required by condition 3.5.1 (a) and (b) only.	Emissions and Ash Analysis from Lines 1, 3 and 4.	Every 12 months	1 January

**Table S4.2 Reporting forms**

Media/parameter	Reporting format	Date of form
Air 1 - Periodic Monitoring Results from Stack A1, A3, A4	Form air 1 or other form as agreed in writing by the Environment Agency	01/12/2010
Ash 1- Periodic Monitoring Results from Lines 1,3 and 4 bottom ash analysis	Form ash 1 or other form as agreed in writing by the Environment Agency	01/12/2010

## 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	<b>MP3930BE</b>
Name of operator	<b>Vetspeed Limited</b>
Location of Facility	<b>The Cambridge Pet Crematorium</b>
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>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
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	

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

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

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

\* authorised to sign on behalf of Vetspeed Limited.

## Schedule 6 - Interpretation

*“abatement equipment”* means that equipment dedicated to the removal of polluting substances from releases from the installation to air or water media.

*“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.

*“APC residues”* means air pollution control residues.

*“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);

*“bottom ash”* means ash falling through the grate or transported by the grate.

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

*“CEM”* Continuous emission monitor

*“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 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..

*“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.

*“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.

*“groundwater protection zones 1 and 2”* have the meaning given in the document titled "Groundwater Protection: Policy and Practice" published by the Environment Agency in 2006.

*“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.

*“ozone-depleting substances”* *“ODS”* means “controlled substances” contained in refrigeration, air-conditioning and heat pump equipment, equipment containing solvents, fire protection systems and fire extinguishers.

*“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.

*“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 Incineration Directive”* means Directive 2000/76/EC on the incineration of waste (O.J. L 332, 28.12.2000).

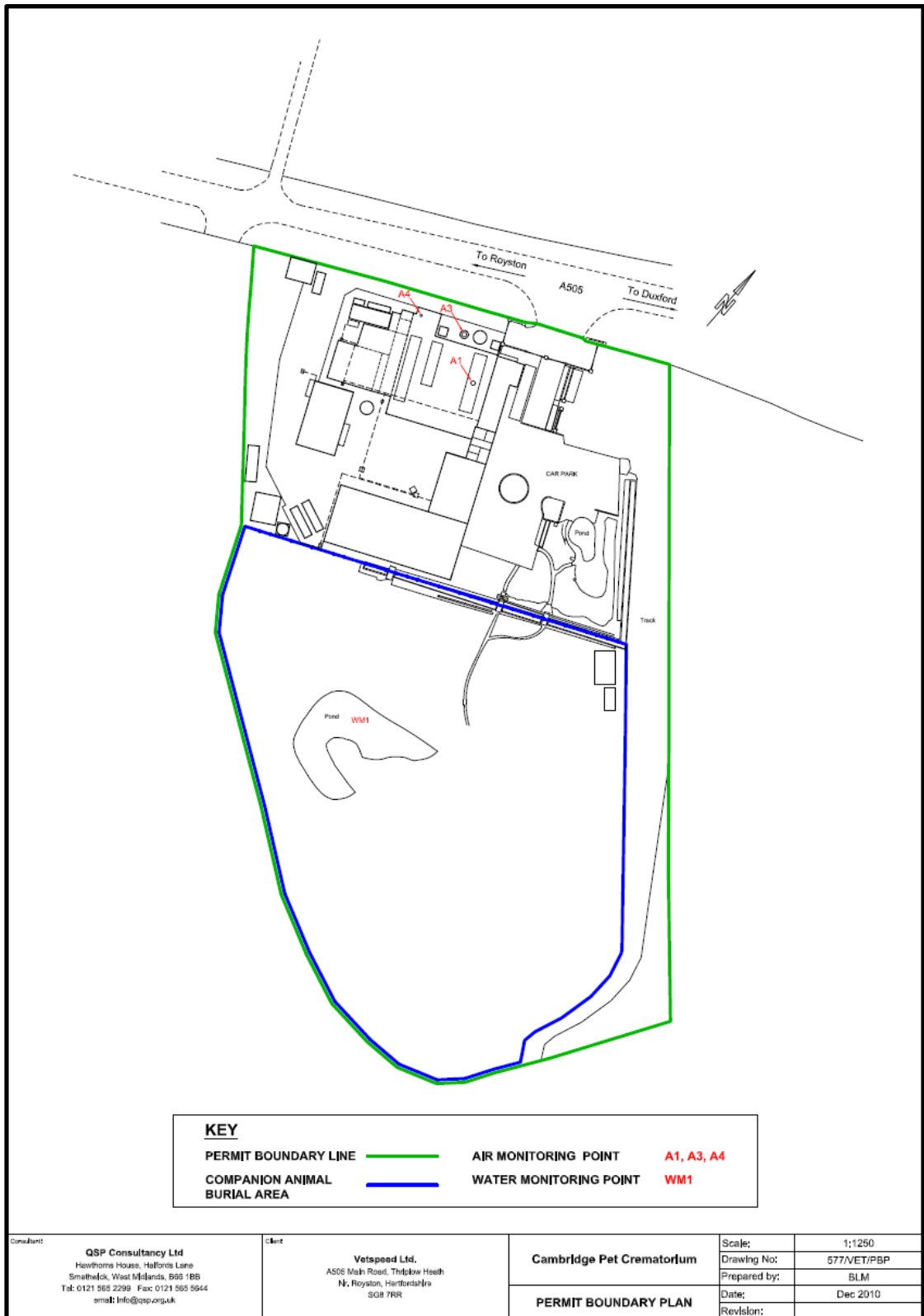
*“WEEE”* means waste electrical and electronic equipment.

*“WEEE Directive”* means Directive 2002/96/EC of the European Parliament and of the Council of 27th January 2003 on waste electrical and electronic equipment (WEEE) as amended by Directive 2003/108/EC of the European Parliament and of the Council of 8th December 2003 on waste electrical and electronic equipment (WEEE).

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



# Schedule 7 – Site Plan



END OF PERMIT

Variation notice number  
EPR/MP3930BE/V004