

SCHEDULE - CONDITIONS RELATING TO THIS MODIFICATION

Delete all existing conditions, and add new conditions below.

All conditions other than those below are modified pursuant to section 37(1)(a) of the 1990 Act.

Condition number C9 is deleted pursuant to section 37(1)(b) of the 1990 Act.

Condition numbers 1.1.1 is added pursuant to section 37(1)(b) of the 1990 Act.

Condition numbers A3 and D1 are modified to condition numbers 1.4.1 and 1.2.1 respectively pursuant to section 37(1)(b) of the 1990 Act.

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1 General considerations

1.1 Specified waste management operations

- 1.1.1 No waste management operations shall be authorised by this licence unless:
- a specified in and undertaken in accordance with the limitations in sections 1 of the working plan and in the following table; or
 - b otherwise required by the conditions of this licence as being an integral part of those operations;

and unless they are carried out on the site in accordance with section 1 of the working plan and with the documented information contained in the sections of the working plan referred to in the other conditions of this licence.

Table 1.1 Specified waste management operations

Specified Waste Management Operation	Permitted Waste Types which may be subject to the Specified Operation	Limits on Specified Waste Management Operations
D6: Release of solid waste into a water body except seas/oceans.	Liquid wastes	Waste shall only be discharged into the following points in accordance with section 2 of the working plan; <ul style="list-style-type: none"> The inlet discharge point identified at points V, X and Y on drawing reference number 408/1/B, which is entitled 'Waste Reception Points'. Maximum storage capacity of treated sludge is nil tonnes.
R2: Recycling or reclamation of organic substances which are not used as solvents	Digestible wastes	Waste shall only be discharged into the following point in accordance with section 2 of the working plan and treated in accordance with section 3 of the working plan; <ul style="list-style-type: none"> The inlet discharge point identified at point W and Z on drawing reference number 408/1/B, which is entitled 'Waste Reception Points'. Maximum storage capacity of treated sludge is nil tonnes.
R13: Storage of waste consisting of materials intended for submission, on this site to any of the category "R" operations authorised under this column, or elsewhere than on this site, to any of the operations listed in Part IV of Schedule 4 of the 1994 Regulations, (excluding temporary storage, pending collection, on the site where it is produced).	Digestate from anaerobic treatment of municipal waste	Within the Distribution Storage Area outlined in black on drawing reference number 408/2/DS1, which is entitled 'Wanlip STW Plan 408/2/DS1'. Storage of wastes shall be undertaken on an impermeable pavement provided in accordance with condition section 2.1. Maximum storage of waste within the Distribution Storage Area is 5000 tonnes.

Specified Waste Management Operations and Exempt Waste Management Operations

1.1.2 Where wastes are being brought onto the site for waste management operations which are exempt from licensing under the 1994 Regulations, then the wastes which are subject to the specified waste management operations shall be kept clearly segregated and identified from those wastes which are being kept on the site for the exempt waste management operations.

1.2 Permitted wastes

Permitted categories and types of wastes

1.2.1 No wastes other than those, which are categorised below in Table 1.2A and specified in detail in Appendix A to these conditions shall be accepted at the site.

Table 1.2A. Permitted quantities of waste

Permitted Waste Categories	Maximum Permitted Quantities for each waste category (subject to maximum permitted total quantity in condition 1.2.2) (tonnes)
Degradable Household wastes Degradable Commercial wastes Degradable Industrial wastes (all non-hazardous)	No limit subject to maximum treatment capacities detailed in Table 1.1.

Permitted quantities of wastes

1.2.2 The total quantity of waste accepted at the site per year shall not exceed 514,800 tonnes.

1.3 Staffing and understanding of requirements of licence conditions

Minimum staffing and supervision

1.3.1 Whenever the site is open to receive or dispatch wastes, or is carrying out any of the specified waste management operations, it shall be supervised by at least one member of staff who is suitably trained and fully conversant with the requirements of the licence regarding:

- a waste acceptance and control procedures;
- b operational controls;
- c maintenance;
- d record-keeping;
- e emergency action plans;

f notifications to the Agency.

Availability of licence

1.3.2 A copy of this licence shall be kept available on site for reference when required by all site staff carrying out work under the requirements of the licence.

1.4 Hours of operation

1.4.1 Waste shall only be imported into the site during the times specified in section 5 of the working plan.

Understanding of licence

1.4.2 All site staff shall be, or shall work under the direct supervision of a member of staff who is fully conversant with those aspects of the licence conditions, which are relevant to their specific duties.

Attendance of Technically Competent Persons

1.4.3 Attendance of the technically competent person(s) at the site shall be recorded in the site diary on arrival and departure.

1.5 Changes in technically competent persons

1.5.1 Any changes in the technically competent management of the site and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Agency in writing within 5 working days of the change in management. Technically competent management and technical competence shall be as defined under section 74 of the Environmental Protection Act 1990 and Regulations 4 and 5 of the 1994 Regulations.

1.6 Relevant convictions

Notification of relevant convictions

1.6.1 In the event of the Licence Holder and/or any relevant person being convicted of any relevant offence and which is in addition to any already notified to the Agency, then full details shall be provided to the Agency within 14 days following sentencing, whether or not the conviction or sentence is subsequently appealed. Such details shall include, in respect of each relevant person (as defined in section 74(7) of the Environmental Protection Act 1990 or any subsequent amendments to that section), the nature of the offence, the place and date of conviction, and any fine or other penalty imposed.

Notifications of appeals against convictions

1.6.2 In the event that the Licence Holder and/or any relevant person lodges an appeal against any such conviction or sentence, the Licence Holder shall notify the Agency of this within 14 days of the lodging. The Licence Holder shall notify the Agency of the results of that appeal, within 14 days of the appeal being decided.

1.7 Amendments to working plan and supporting information

Amendments to working plan requiring prior consent from the Agency

1.7.1 The Licence Holder shall give the Agency prior notice in writing of any proposed change to those sections of the working plan which are specified in Table 1.8 below, and to any appendices, drawings and figures which are referenced in those sections.

Table 1.8 Sections of the working plan requiring prior consent for amendments

Number and Heading of Working Plan Sections And Appendices	Sections, Subsections and Appendices requiring Prior consent for Amendments
Section One Site History and Introduction	All
Section Two Site Development and Infrastructure	All
Section Three Further Details of Treatment Processes	All
Section Four Operational Procedures	All
Section Five Site Operations	All
Appendix B Emergency Procedures	All
Appendix E Plans	Plan reference numbers 408/1/B, 408/2/LA, 408/2/DS1, 'Drainage Route – Biffa Product Storage Area', 'Drainage Back into Works' and 'Chamber EC1 Location'.

1.7.2 The notice shall be accompanied by a copy of the proposed changes, and by a written assessment of the effect that implementing the proposed change to the working plan would have on the risk posed by the site to human health and the environment.

1.7.3 The Licence Holder shall provide up to 6 additional copies of the proposed change and supporting risk assessment to the Agency, when required by the Agency in writing.

1.7.4 The proposed change to the working plan shall not be implemented unless the Agency has given its written consent to it. Following consent, the Licence Holder shall give the Agency prior written notification of the implementation date of the change, and from that date the changed section shall be deemed to be incorporated in the working plan in replacement of the previous version of that section.

Amendments to the working plan requiring prior notification to the Agency

- 1.7.5 Except where it is specified under condition 1.8.1 above that the amendment of specified sections of the working plan requires the prior consent of the Agency, the Licence Holder shall give the Agency not less than 7 days prior written notice of any change to the working plan and to any appendices, drawings and figures which are referenced from those sections.
- 1.7.6 The notice shall be accompanied by a copy of the specified changes.
- 1.7.7 The Licence Holder shall provide up to 6 additional copies of the proposed change to the Agency, when required by the Agency in writing.
- 1.7.8 Such changes to the working plan shall be deemed to be incorporated in the working plan and implemented on the date specified to the Agency in the amendment notification.
- 1.8 Notification of change of operator's or holder's details
- 1.8.1 The following information shall be notified in writing within 5 working days to the Agency:
- a where the Licence Holder is an individual or named individuals:
 - i where the Licence Holder consists of more than one named individual, the death of any of those individuals;
 - ii any change in the Licence Holder's name(s) or address(es);
 - iii any steps taken with a view to the Licence Holder, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership;
 - iv the operator at the time of issue of the licence and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Licence Holder); or
 - b where the Licence Holder is a registered company:
 - i any change in the Licence Holder's trading name, registered name or registered office address;
 - ii any steps taken with a view to the Licence Holder going into administration, entering into a company voluntary arrangement or being wound up;
 - iii the operator at the time of issue of the licence and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Licence Holder); or
 - c where the Licence Holder is a corporate body other than a registered company:
 - i any change in the Licence Holder's name or address;
 - ii any steps taken with a view to the dissolution of the Licence Holder;
 - iii the operator at the time of issue of the licence and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Licence Holder)

- 1.9 Notification of preparatory works
- 1.9.1 No preparatory works shall be undertaken until at least 7 days prior notice in writing has been given to the Agency of the intention to do so. The notification shall include details of what work is being done and when.
- 1.10 Notification of commencement, cessation and recommencement of waste storage operations
- Specified waste management operations*
- 1.10.1 No specified waste management operation shall be carried out until at least 7 days prior notice in writing has been given to the Agency of the intention to commence carrying out the specified waste management operation.
- Cessation and recommencement of specified waste management operations*
- 1.10.2 In the event that the site ceases receiving wastes for longer than 21 days then within 7 days following the elapse of that time, the Licence Holder shall inform the Agency in writing of the date of cessation and of the planned date of recommencement. In the event that it is intended that the site shall recommence receiving wastes sooner than the notified date then the Licence Holder shall give the Agency not less than 7 days prior notice in writing.
- 1.11 Notifications and submissions to Agency
- 1.11.1 Except where otherwise specified, all notifications and submissions to the Agency under the requirements of these licence conditions:
- a shall be made in writing to the address specified by the Agency in writing at the time of issue of this licence, or as subsequently specified by written notification to the Licence Holder;
 - b shall quote the licence reference number and the name of the Licence Holder.

2 Site engineering for pollution prevention and control

2.1 Engineering site containment and drainage systems

Provision and maintenance of site containment and drainage systems

2.1.1 No waste shall be deposited or otherwise handled in any area of the site until the engineered site containment and drainage system for that area has been constructed and completed in accordance with this condition and condition 2.1.2.

2.1.2 The engineered site containment and drainage systems shall be designed, constructed, inspected, validated and maintained, and shall be fully documented and recorded, to be fit for purpose and meet the standards specified in Table 2.1 below and section 3 of the working plan.

Table 2.1 Site containment and drainage standards

Type of Site Surface and Drainage	Minimum Specified Standards of Design, Construction and Maintenance
a) Hardstanding	Areas of hardstanding shall be constructed of granular material (e.g. crushed stone, aggregate, road planings or other similar material) and maintained such that the working surface: i) shall remain even ii) shall not be subject to settlement or differential settlement iii) shall not be subject to rutting by vehicles even when wet iv) shall have sufficient durability to allow cleaning for example by scraping v) shall remain free of standing water.
b) Impermeable pavement, bunding and sills	Areas of impermeable pavement, bunding and sills shall be constructed and maintained so as to prevent fluids running off the pavement and the transmission of fluids through the pavement or joints.
c) Sealed drainage systems	Drainage to areas of impermeable pavement shall be provided by a sealed drainage system, that is comprised of a drainage system with impermeable components which does not leak and which will ensure that:- <ul style="list-style-type: none">• no liquid will run off the pavement other than via the system; and• all liquids entering the system are collected and returned to the sewage treatment works inlet for treatment. i) Sealed sumps shall be inspected no less frequently than daily and after rain, emptied when the collected liquids reach 80% of the capacity of the sump as measured using a dipstick or equivalent gauge, and constructed and maintained so as to collect and contain all liquids which run off the pavement; ii) Inspections and emptying of sealed sumps shall be recorded in the site diary.
d) Fixed bays and other fixed containers	All fixed bays and other fixed containers used for the storage and treatment of wastes must be constructed and maintained to a standard, which is fit for purpose.
e) Storage areas for skips, drums and other mobile tanks and containers	All skips, drums and other mobile tanks and containers having individual capacities of greater than 10 litres which are used for the storage of wastes shall be constructed and maintained so that they do not leak any liquids contained in them.
f) Inspection and maintenance of engineered containment	All areas of hardstanding, impermeable pavement, sealed drainage systems, fixed bays and other

Type of Site Surface and Drainage	Minimum Specified Standards of Design, Construction and Maintenance
	<p>containers:</p> <ul style="list-style-type: none"> i) shall be inspected no less frequently than monthly, to ensure the continuing integrity and fitness for purpose of their construction, and the inspection and any necessary maintenance shall be recorded in the site diary; and ii) in the event of any damage occurring which breaches the integrity of the engineered containment so that it no longer meets the specified standards, the Licence Holder shall cease importing waste into or treating waste in the affected area, shall notify the Agency immediately, and shall not recommence importing waste into or treating waste in the affected area until it has been repaired to a standard at least as good as the original specification.

Construction quality assurance of new site containment and drainage systems

- 2.1.3 No wastes shall be deposited or otherwise handled in any area for which an engineered site containment and drainage system is to be newly constructed to meet the requirements of this condition unless:
- a details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the engineered site containment and drainage systems have been submitted in writing to the Agency and acknowledged in writing by the Agency;
 - b the engineered site containment and drainage system has been constructed in accordance with the other requirements of condition 2.1;
 - c the Validation Report on the construction of the engineered site containment and drainage system has been submitted in writing to the Agency, and the Agency has confirmed in writing that it has no objection to the placement of wastes on that containment area.

Construction quality assurance of existing site containment and drainage systems

- 2.1.4 No wastes shall be deposited or otherwise handled in the Distribution Storage Area outlined in black on drawing reference number 408/2/DS1 for which a previously constructed and existing engineered site containment and drainage system is being used to meet the requirements of this condition unless:
- a details of the identities, relevant experience and relevant qualifications of the suitably qualified Engineer who will be providing inspection and validation of the existing engineered site containment and drainage systems have been submitted in writing to the Agency and acknowledged in writing by the Agency;

- b the engineered site containment and drainage system for that area has been inspected by the designated Engineer and has been maintained or improved, in accordance with their recorded advice, to be fit for purpose in that :
 - i areas of impermeable pavement are laid to take weight of relevant vehicles, plant and equipment without cracking or breaking; and
 - ii areas of impermeable pavement are free from cracks which could increase permeability; and
 - iii areas of impermeable pavement are resistant to mechanical, physical and chemical stresses to which they may be subjected; and
 - iv areas of impermeable pavement fall towards the drainage system to prevent ponding; and
 - v no liquid will run off areas of impermeable pavement other than via the drainage system; and
 - vi the drainage system is sealed so that it does not leak and is capable of collecting and containing liquids draining from the impermeable pavement ; and
 - vii liquid from the drainage system is disposed of to an approved discharge.

2.1.5 The existing engineered site containment and drainage system shall be maintained in accordance with the recommendations of the designated Engineer and the requirements of Table 2.1.

3 Site infrastructure

3.1 Provision of site identification board

3.1.1 No wastes shall be received at the site until an identification board has been provided at or near the site entrance.

3.1.2 The identification board shall be inspected at least once per week. In the event of damage or defect, the board shall be repaired or replaced within 3 working days.

3.1.3 The board shall be easily readable from outside the site entrance in daylight hours, and shall display the following information:

- a Site name and address;
- b Licence Holder name (company name, not individual name unless justified as necessary);
- c Operator name (company name, not individual name unless justified as necessary);
- d Licence number;
- e Emergency contact name and telephone number (for security reasons, personal names and home phone numbers should not be used except where no alternative is practicable);
- f Statement that the site is licensed by the Environment Agency;
- g Agency national numbers: 0845 933 3111 and 0800 807060 (or any other number subsequently notified in writing by the Agency);
- h Days and hours site is open to receive waste.

3.2 Site security

3.2.1 Site security systems shall be provided at all times during the subsistence of this licence, the objective of which shall be to prevent access by humans, and livestock, which is not authorised either by the Licence Holder or under legal powers of entry. These shall be installed, operated and maintained, and shall be fully documented and recorded, in accordance with the requirements specified in Table 3.2:

Table 3.2 Site security system standards

Site security system	Specified standards
Timetable of provision	Site security shall be provided prior to commencement of the specified operations.
Design standards	Unless otherwise agreed in writing by the Agency, this shall consist of a chainlink security fence at least 1.8 metres high around the perimeter of the site, which shall meet the standards specified in British Standard BS1722 or an agreed alternative, and shall have a lockable gate to at least the same height and standard at the site access.
Operational standards	The site shall be kept closed and secure at all times when unattended.
Maintenance standards	The site security shall be fully inspected at the commencement of each working day. Any defects or damage shall be made secure by temporary repair by the end of the working day, and shall be repaired within 7 working days of the damage being detected. All inspections, defects, damage and repairs shall be recorded in the site diary.

4 Site operations

4.1 Control of mud and debris and loose waste

Prevention of mud and debris on road

4.1.1 Whenever the site is receiving or despatching wastes, measures shall be provided, operated and maintained with the objective of preventing the deposit or tracking of mud or debris arising from the site onto public areas outside the site, which shall include public highways and areas of public access.

4.1.2 All vehicles leaving areas of the site which are operational or upon which engineering works are being carried out shall, before leaving the site, be cleaned as necessary and shall be checked to ensure that they are clear of loose waste and that any waste is secure.

Remediation of mud and debris on road

4.1.3 In the event that mud, debris or waste arising from the site is deposited onto public areas outside the site, the following remedial measures shall be implemented immediately:

- a) the affected public areas outside the site shall be cleaned
- b) traffic shall be isolated from sources of mud and debris within the site to prevent further tracking of mud and debris, and measures shall be taken to clear any such sources as soon as practicable.

4.2 Leaks and spillages

Potentially polluting leaks and spillages from vehicles, plant and equipment

4.2.1 All vehicles used on the site by the operator, and all plant and all equipment used on the site in connection with specified waste management operations, shall be operated and maintained with the objective of preventing potentially polluting leaks and spillages of wastes or other potentially polluting materials which are to be used in combination with those wastes in the specified waste management operations.

Potentially polluting leaks and spillages from skips, drums and other mobile containers

4.2.2 Each tanker, skip, drum or other mobile container used to hold wastes which consist of or contain potentially polluting liquids or sludges, or other potentially polluting materials which are to be used in combination with those wastes in the specified waste management operations shall be:

- a loaded and unloaded in accordance with the handling procedures specified in Table 4.2;

- b filled and emptied in accordance with the filling and emptying procedures specified in Table 4.2;
- c clearly and unambiguously labelled regarding its contents, unless the contents are clearly identifiable by visual inspection;
- d inspected and maintained according to the maintenance schedules and procedures specified in Table 4.2, which shall be fully documented and recorded;
- e in the event of damage or deterioration to a container that is, or is likely to cause, a leak, that container shall be repaired or replaced immediately.

Control and remediation of leaks and spillages

4.2.3 In the event of any potentially polluting leak or spillage occurring on site, documented control and remediation procedures shall be implemented immediately and recorded, and shall meet the standards specified in Table 4.2 below.

Table 4.2 Standards for prevention and control of leaks and spillages

Action	Specified standards
a) Loading and unloading tankers, skips, drums and other mobile containers	i) Loading and unloading of tankers and containers shall be supervised at all times by a member of staff. ii) Lids/ caps/ bungs or other closures shall be in place during loading/ unloading. iii) Loading/ unloading shall be carried out in an area provided with engineered containment of the type required for that waste under condition 4.6, and of the standard of containment specified under condition 2.1.
b) Filling and emptying tankers, drums and other mobile containers	i) Filling and emptying of tankers and containers shall be supervised at all times by a member of staff. ii) Lids/ caps/ bungs or other closures shall be in place at the end of filling iii) Tankers and containers shall not be filled beyond their operational capacity. iv) Filling and emptying shall be carried out in a bunded area maintained in accordance with condition 2.1.2. v) Measurement of level/ void space shall be by physical dipping prior to loading.
c) Inspection, maintenance and repair of drums and other mobile containers	i) Containers shall be inspected daily for leaks. ii) Containers found to be leaking either shall be immediately transferred to a larger over-container or shall have their contents immediately transferred to an alternative container.
d) Control and remediation of leaks and spillages	i) Minor spillages shall be cleaned up immediately, using sand or proprietary absorbent to clean up liquids and placed in alternative containers. ii) Major spillages, which are causing or are likely to cause polluting emissions to the environment: <ul style="list-style-type: none"> • immediate action shall taken to contain the spillage and prevent liquid from entering surface water drains, water courses and unsurfaced ground; • the spillage shall be cleared immediately and placed in alternative containers; • the Agency shall be informed immediately.

4.3 Fires on the site

Prohibition of fires on site

4.3.1 No wastes shall be burned on the site.

Actions to be taken in the event of a fire

4.3.2 In the event of a fire on the site, notwithstanding the implementation of actions to suppress and extinguish the fire, the following actions shall be implemented immediately and recorded in the site diary:

- a the Agency shall be informed immediately of the fire; and

- b so far as practicable, contaminated site drainage shall be prevented from entering any surface water drain or water course or unsurfaced ground.

4.4 Waste acceptance and control procedures

Waste acceptance procedures

- 4.4.1 All wastes shall be received, inspected, accepted or rejected, and recorded in accordance with the standards specified in Table 4.4 below and in accordance with section 4 of the working plan.

Waste control procedures

- 4.4.2 All wastes accepted at the site shall be handled, kept and recorded in accordance with the standards specified in Table 4.4 below and in accordance with section 4 of the working plan.

Waste despatch procedures

- 4.4.3 All outgoing wastes shall be inspected, despatched and recorded in accordance with the standards specified in Table 4.4 below and in accordance with section 4 of the working plan.

Table 4.4 Standards for waste acceptance and control procedures

Stage of Waste Handling	Specified standards
a) Waste inspection	All wastes received at the site: i) shall be inspected on receipt to confirm their description and composition against the relevant waste transfer note and other accompanying documentation. ii) shall be kept separate from and shall not be mixed with other wastes until they have been confirmed and recorded for acceptance at the site.
b) Waste control procedures: quarantine storage and rejection of wastes	i) Any items of non-permitted waste which are detected after acceptance at the site, shall be placed immediately in a designated quarantine container, and, where these are or appear to be special wastes, the Agency shall be informed immediately; ii) In the quarantine area, wastes shall be kept segregated from other wastes which are or are likely to be incompatible; iii) Quarantined wastes shall be removed from site within 7 days; iv) The maximum quantity of wastes kept in the quarantine storage area shall be 4.6m ³ at any one time. v) A record shall be kept in the site diary of all rejected wastes and all wastes kept in quarantine storage.
c) Identification of wastes	Bays and containers shall be clearly defined and labelled to identify the wastes stored within them
d) Waste despatch procedures	All wastes despatched from the site shall be inspected prior to despatch to confirm their description and composition.
e) Incompatible wastes	Incompatible wastes that are likely, in combination with each other or with other material at the facility, to give rise to pollution of the environment or harm to human health outside the site, shall be clearly identified and kept physically separate in designated areas.

4.5 Waste quantity measurement systems

Means of measurement

4.5.1 All waste accepted at and despatched from the site shall be measured in accordance with either of the following requirements:

- a The weight of all wastes accepted at and despatched from the site shall be determined by means of a public weighbridge, or a weighbridge or scales located within the site. The weighbridge or scales used shall record quantities of wastes in tonnes to an accuracy of 0.01 tonnes; or
- b The following conversion factors shall be used:

Waste quantities shall be recorded in cubic metres and measured on the basis of the capacity of the vehicles or containers used for transport. This shall be converted into tonnes on the basis of conversion factors, which have been agreed in writing with the Agency.

4.6 Storage of wastes with specified hazardous properties or forms

4.6.1 Notwithstanding the specification of permitted waste types under condition 1.2, wastes displaying any of the hazardous properties or forms specified in Table 4.6 shall only be handled and/or stored on the site in accordance with the standards specified in Table 4.6 below.

Table 4.6 Standards for handling and/or storage of wastes with specified characteristics

Storage requirement	Specified standards
a) Odorous wastes, including wastes which are likely to be odour producing during storage	i) These wastes only permitted if: <ul style="list-style-type: none">received in sealed containers and stored in areas provided with impermeable pavement and sealed drainage; orstored in bays provided with an impermeable pavement and sealed drainage. ii) These wastes shall be subject to monitoring in accordance with condition 5.2 and shall in any case not be stored for longer than 48 hours, unless otherwise agreed in writing with the Agency.
b) Waste that is in a form which is either sludge or liquid.	These wastes only permitted if: <ul style="list-style-type: none">received in liquid-retaining containers; andstored in areas provided with impermeable pavement and sealed drainage.
c) Wastes which are likely to attract pests	These wastes shall be subject to monitoring in accordance with condition 5.3, and shall in any case not be stored for longer than 48 hours, unless otherwise agreed in writing with the Agency.
d) Wastes which are likely to attract scavengers	These wastes shall be subject to monitoring in accordance with condition 5.4.

4.7 Removal of residual wastes from site

4.7.1 In the event that no wastes are received on the site for 3 months and the Agency has reasonable grounds to believe that the importation of wastes will not be resumed, then, notwithstanding any operational limits on storage times of wastes specified in the other conditions of this licence, the licence holder shall ensure that all wastes remaining on the site shall be removed by the date specified by the Agency in writing. This shall include, where required by the Agency, cleaning of plant, equipment and engineered containment used in the specified waste management operations, and emptying of any sealed sumps or interceptors.

5 Pollution Control, Monitoring and Reporting

5.1 Methane monitoring and reporting systems

Provision of methane monitoring systems

5.1.1 Unless otherwise agreed in writing with the Agency no waste shall be deposited after 1st April 2005 unless a detailed scheme for the monitoring, sampling and recording of methane emissions from the sludge storage, has been submitted to and approved in writing by the Agency.

5.1.2 Monitoring, sampling and recording of methane emissions shall be carried out and recorded in accordance with the scheme referred to in condition 5.1.1 above.

6 Amenity management and reporting

6.1 Control, monitoring and reporting of dusts, fibres and particulates

6.1.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor emissions of dusts, fibres and particulates from the site in accordance with the standards specified in Table 5.1 below

Table 5.1 Standards for monitoring and control of aerial emissions of dusts, fibres and particulates

a)	Monitoring of aerial emissions	Site staff supervising individual waste handling operations shall, during the carrying out of those operations, undertake visual monitoring of aerial emissions.
b)	Remedial action	<ul style="list-style-type: none">i) On detection or notification of visible aerial emissions that are likely to be transported beyond the site boundary, immediate action shall be taken to stop the waste handling operations giving rise to the emission and to suppress the aerial emission from the waste.ii) The incident and the remedial action shall be recorded in the site diary.

6.1.2 All emissions to air from the specified waste management operations on the site shall be free from visible concentrations of dusts, fibres or particulates as are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the site boundary, as perceived by an authorised officer of the Agency.

6.2 Monitoring and control of odorous emissions

6.2.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor emissions of odours from the site, in accordance with the standards specified in Table 5.2 and in accordance with section 2 of the working plan.

6.2.2 All emissions to air from the specified waste management operations on the site shall be free from odours at levels as are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the site boundary, as perceived by an authorised officer of the Agency.

Table 5.2 Standards for monitoring and control of emissions of odours

a) Monitoring of odorous emissions	Olfactory monitoring of aerial emissions from the site shall be carried out: <ul style="list-style-type: none">• by the site manager or supervisor, at least twice a day, at the site boundary situated downwind of the waste operations, and shall be recorded in the site diary; and• by site staff supervising individual waste handling operations, during the carrying out of those operations.
b) Odorous emissions action plan	<ul style="list-style-type: none">i) On detection or notification of aerial emissions of odour that are or are likely to be transported beyond the site boundary at such levels that they are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality, immediate action shall be taken to stop the waste handling operations giving rise to the emission and to suppress the aerial emission from the waste.ii) The incident and the remedial action shall be recorded in the site diary.

6.3 Monitoring and control of pest infestations

6.3.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor the presence of pests on the site, in accordance with the standards specified in Table 5.3. The objective of these measures shall be to prevent pest infestations that are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality.

Table 5.3 Standards for monitoring and control of pest infestations

	Specified standards
a) Monitoring of pest infestations	An inspection of stored wastes for pest infestations shall be carried out at least at weekly intervals by the site supervisor, and shall be recorded in the site diary.
b) Pest infestations action plan	<ul style="list-style-type: none">i) On detection or notification of pest infestations, immediate action shall be taken to secure the attendance of a professional pest control contractor, to eliminate the pest infestation.ii) The incident and the remedial action shall be recorded in the site diary.

6.4 Control of scavenging birds and other scavengers

6.4.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor the presence of scavenging birds and other scavengers on the site, in accordance with the standards specified in Table 5.4. The objective of these measures shall be to prevent scavenging birds and other scavengers from gathering on operational areas or scavenging wastes in such numbers that are likely to cause harm to human health or serious detriment to the amenity of the locality.

Table 5.4 Standards for monitoring and control of scavenging birds and other scavengers

a) Monitoring of scavengers	Stored wastes that are likely to attract scavengers shall be routinely monitored for the presence of scavenging animals or flocks of scavenging birds, throughout the working day by the site supervisor.
b) Scavengers action plan	<p>i) On detection or notification of scavenging animals or flocks of scavenging birds, immediate action shall be taken to:</p> <ul style="list-style-type: none">• remove or deter them from the site, and• isolate and secure the wastes attracting the scavengers against further scavenging. <p>ii) The incident and the remedial action shall be recorded in the site diary.</p>

6.5 Control of litter

6.5.1 Measures shall be implemented and maintained throughout the operational life of the site to prevent the escape of litter from the confines of the site.

6.5.2 In the event that litter does escape from the site, it shall be retrieved as soon as practicable and no later than 1 hour after the end of the working day.

7 Site records

7.1 Security and availability of records

Security of records

7.1.1 All records which are required to be made under the conditions of this licence shall be maintained and kept secure from loss, damage or deterioration, and shall be kept in accordance with the requirements specified in Table 6.1 below.

Availability of records

7.1.2 All records which are required to be made under the other conditions of this licence shall be made available for inspection at the place where they are kept immediately when required by an authorised officer of the Agency.

Table 6.1 Standards for keeping of site records

Site records	Specified standards
Wastes accepted at the site; Wastes rejected. Wastes despatched from the site; Site diaries.	1. All records shall be stored either: a) on paper in a secure cabinet or cupboard; or b) on computer disc with a back up copy. 2. Records shall be kept for a minimum of two years.

7.2 Records of waste movements

Recording of wastes accepted and removed

7.2.1 A record shall be kept of each load of waste accepted and each load of waste removed from the site. This record shall include the following details:

- a Loads in:- Nature (solid, sludge or liquid), waste type as specified under condition 1.2 and section 4 of the working plan, quantity (tonnes), date received, date accepted.
- b Loads out:- Nature (solid, liquid or sludge), waste type as specified under condition 1.2 and section 4 of the working plan, quantity of waste removed (tonnes), date removed.

Summary records of wastes accepted and removed

7.2.2 A summary record of the waste types and quantities accepted and removed from the site shall be made for each quarter of the financial year and shall be submitted to the Agency within 1 month following the end of that quarter. The summary record shall be in the format detailed in Appendix B or otherwise subsequently agreed with the Agency in writing.

7.3 Site diary

7.3.1 A site diary shall be kept secure and shall be available for inspection at the site when required by an authorised officer of the Agency. This shall include a record of the following events, in accordance with the other conditions of this licence:

- a construction work
- b start and finish of daily waste management activities on site
- c maintenance
- d breakdowns
- e emergencies
- f problems with waste received and action taken
- g site inspections and consequent actions carried out by the operator
- h technically competent management attendance on site: the date and the time onto site and the time left site
- i despatch of records to the Agency
- j severe weather conditions
- k complaints about site operations and actions taken
- l environmental problems and remedial actions

7.3.2 Each record shall be completed within 24 hours of the relevant event.

Interpretation

In these conditions and their interpretation, unless the context otherwise requires, the following terms have the specified meanings:

“accepted”

for waste being delivered to the site, shall mean accepted as waste input to the site for storage and/or processing and/or disposal under the specified waste management operations;

“authorised officer of the Agency”

means any person(s) authorised in writing by the Agency pursuant to section 108(1) of the 1995 Act to exercise any of the powers specified in subsection (4) of that section;

“consequences”

for **risk assessments** carried out within these conditions, means the adverse effects of harm as a result of realising a **hazard** which causes the quality of human health (other than health and safety of site staff or visitors to the site covered under the Health and Safety at Work Act 1974) or the environment to be impaired in the short or longer term.

“container”

means a container, which does not permit either, the ingress or egress of liquids, or the escape of dusts or wastes contained within it;

“engineered”

for works specified in these conditions, means carried out and completed using the relevant engineering process specified in these conditions;

“engineering”

for engineering works specified in these conditions, means the relevant process of design, construction or installation, quality assurance or validation or commissioning specified in these conditions;

“environmental targets or receptors”

for **risk assessments** carried out within these conditions, shall mean identified human and environmental populations or components, as specified in these conditions or otherwise agreed by the Agency within these conditions.

“groundwater”

means any water contained in underground strata;

“hazard”

means a property that in particular circumstances could lead to harm;

“immediately”

for carrying out of actions under the conditions, shall mean without delay and within a reasonable time, taking into account any more immediate direct action necessary to prevent or minimise risk to human health and the environment. For carrying out notifications to the Agency, shall also mean by the fastest effective means available (for example, telephone) and confirmed in writing within 1 working day (or such other time as may be agreed by the Agency within the conditions);

“inert waste”

means wastes which will not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm to human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant and in particular not endanger the quality of surface water and/or groundwater.

“maintenance”

for engineering maintenance specified in these conditions, means the process of inspection, testing, repair of the relevant engineering works specified in these conditions;

“probability”

means the quantified expression of chance, denoted either as:

- the ratio or percentage of the occurrence of a particular event as one among a number of possible events;
- or as the frequency of occurrence of a particular event in a given period of time;

“received”

for waste being delivered to the site, shall mean delivered to the site and undergoing the waste acceptance procedures, including storage of those wastes during those procedures prior to acceptance of the waste;

“release pathways”

for **risk assessments** carried out within these conditions, shall mean the routes by which defined **hazards** may potentially realise their **consequences**, defined in terms of releases or emissions from the site that go beyond the site containment or boundary via one or more of the following routes, either directly or indirectly: **Land; Groundwater, Surface water; Atmosphere;**

“relevant offences”

are offences within the meaning of regulation 3 of the Waste Management Licensing Regulations 1994 or any statutory provisions or regulations amending or replacing them;

“risk”

means a combination of the **probability** and **consequences** of occurrence of a defined **hazard**;

"risk assessment"

means the systematic identification, analysis, estimation and evaluation within a defined **scope** of the defined **risks** of a particular activity, operation, process or design, carried out and reported by suitably qualified or competent persons, using recognised quantified or semi-quantified methods and techniques.

Unless otherwise agreed by the Agency within these conditions, a risk assessment shall include and record the following:

- definition of the **hazards** associated with an activity, operation, process or design;
- assessment of the **probability** of those **hazards** occurring;
- determination of the potential **consequences** of those hazards for defined **environmental targets or receptors**, taking into account defined **release pathways** and defined protective measures;
- evaluation of the potential **magnitude** of those consequences and the **probability** of their occurrence;

"scope of risk assessment"

means the boundaries of the **risk assessment** and the **risks** to be assessed within those boundaries, as defined in the conditions or otherwise agreed by the Agency within the conditions;

"special waste"

has the meaning as defined by regulation 2 of the Special Waste Regulations 1996 or any statutory provisions or regulations amending or replacing them;

"specified waste management operations"

means the waste management operations authorised by condition 1.1 of this licence;

"surface water"

means any lake, pond, river or watercourse whether natural or artificial;

"the 1994 Regulations"

means the Waste Management Licensing Regulations 1994 and any statutory provisions or regulations amending or replacing them.

"the Agency"

means the Environment Agency;

"the Licence Holder"

means the Licence Holder specified in this licence or other person to whom the licence has been transferred in accordance with section 40 of the Environmental Protection Act 1990;

"the operator"

means a person who is in occupation of the site and has responsibility for carrying out day to day activities at the site;

"the site"

means the land, structures, plant and equipment to which this licence relates;

“time periods, e.g. annually, quarterly, monthly, per year, etc. “

Where periods are referred to in conditions, they shall be calculated in the following way:

- annually or per year: 1 April to 31 March;
- quarterly: 1 April to 30 June, 1 July to 30 September, 1 October to 31 December, 1 January to 31 March;
- monthly: calendar month;
- weekly: Monday to Sunday.

Where the issue of the licence does not coincide with the start of any of these periods, then any relevant limits for the first period shall apply pro rata;

“waste”

means controlled waste as defined in section 75(4) of the 1990 Act and the Controlled Waste Regulations 1992 or any statutory provisions or regulations amending or replacing them;

9 Appendices to conditions

Appendix A Permitted Wastes (Condition 1.2.1)

Table 1.2A. Permitted quantities of waste

Permitted Waste Categories	European Waste Catalogue Chapter	Maximum Permitted Quantities for each waste category (subject to maximum permitted total quantity in condition 1.2.2) (tonnes)
	<u>02 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing (non-hazardous)</u>	No limit subject to maximum storage capacities detailed in Table 1.1.
Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing	02 01 01 sludges from washing and cleaning 02 01 02 animal-tissue waste 02 01 03 plant tissue waste 02 01 06 animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site 02 01 07 wastes from forestry 02 01 09 agrochemical waste other than those mentioned in 02 01 08 02 01 99 waste not otherwise specified	
Wastes from the preparation and processing of meat, fish and other foods of animal origin	02 02 01 sludges from washing and cleaning 02 02 02 animal-tissue waste 02 02 03 materials unsuitable for consumption or processing 02 02 04 sludges from on-site effluent treatment 02 02 99 wastes not otherwise specified	
Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production; molasses preparation and fermentation.	02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation 02 03 02 wastes from preserving agents 02 03 03 wastes from solvent extraction 02 03 04 materials unsuitable for consumption or processing 02 03 05 sludges from on site effluent treatment 02 03 99 wastes not otherwise specified	
Wastes from sugar processing.	02 04 01 soil from cleaning and washing beet	

Table 1.2A. Permitted quantities of waste

Permitted Waste Categories	European Waste Catalogue Chapter	Maximum Permitted Quantities for each waste category (subject to maximum permitted total quantity in condition 1.2.2) (tonnes)
Wastes from dairy products industry.	02 04 02	off-specification calcium carbonate
	02 04 03	sludges from on-site effluent treatment
	02 04 99	wastes not otherwise specified
	02 05 01	materials unsuitable for consumption or processing
	02 05 02	sludges from on-site effluent treatment
	02 05 99	wastes not otherwise specified
Wastes from the baking and confectionery industry.	02 06 01	materials unsuitable for consumption or processing
	02 06 02	wastes from preserving agents
	02 06 03	sludges from on-site effluent treatment
	02 06 99	wastes not otherwise specified
Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)	02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
	02 07 02	wastes from spirits distillation
	02 07 03	wastes from chemical treatment
	02 07 04	materials unsuitable for consumption or processing
	02 07 05	sludges from on-site effluent treatment
	02 07 99	wastes not otherwise specified
	<u>03 Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard (non-hazardous)</u>	No limit subject to maximum storage capacities detailed in Table 1.1.

Table 1.2A. Permitted quantities of waste

Permitted Waste Categories	European Waste Catalogue Chapter	Maximum Permitted Quantities for each waste category (subject to maximum permitted total quantity in condition 1.2.2) (tonnes)
Wastes from pulp, paper and cardboard production and processing.	03 03 02 green liquor sludge (from recovery of cooking liquor)	
	03 03 07 mechanically separated rejects from pulping of waste paper and cardboard	
	03 03 10 fibre rejects, fibre-, filler- and coating-sludges from mechanical separation	
	03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10	
	03 03 99 wastes not otherwise specified	
	<u>04 Wastes from the leather, fur and textile industries (non-hazardous)</u>	No limit subject to maximum storage capacities detailed in Table 1.1.
Wastes from the leather and fur industry	04 01 05 tanning liquor free of chromium	
	04 01 07 sludges, in particular from on-site effluent treatment free of chromium	
	04 01 99 wastes not otherwise specified	
Wastes from the textile industry	04 02 15 wastes from finishing other than those mentioned in 04 02 14	
	04 02 20 sludges from on-site effluent treatment other than those mentioned in 04 02 19	
	04 02 99 wastes not otherwise specified	
	<u>06 Wastes from inorganic chemical processes (non-hazardous)</u>	No limit subject to maximum storage capacities detailed in Table 1.1.
Sludges from on-site effluent treatment	06 05 03 sludges from on-site effluent treatment other than those mentioned in 06 05 02	
	<u>07 Wastes from organic chemical processes (non-hazardous)</u>	No limit subject to maximum storage capacities detailed in Table 1.1.

Table 1.2A. Permitted quantities of waste

Permitted Waste Categories	European Waste Catalogue Chapter	Maximum Permitted Quantities for each waste category (subject to maximum permitted total quantity in condition 1.2.2) (tonnes)
Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals	07 01 12 sludges from on-site effluent treatment other than those mentioned in 07 01 11 07 01 99 waste not otherwise specified	
Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics	07 06 12 sludges from on-site effluent treatment other than those mentioned in 07 06 11 07 06 99 waste not otherwise specified	
Wastes from the MFSU of fine chemicals and chemical products not otherwise specified	07 07 12 sludges from on-site effluent treatment other than those mentioned in 07 07 11 07 07 99 waste not otherwise specified	
	<u>16 Waste not otherwise specified on the list (non-hazardous)</u>	No limit subject to maximum storage capacities detailed in Table 1.1
Off-specification batches and unused products	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	
Wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)	16 07 99 wastes not otherwise specified	
Aqueous liquid wastes destined for off-site treatment	16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01 16 10 04 aqueous concentrates other than those mentioned in 16 10 03	
	<u>19 Wastes from waste management facilities, off site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use (non-hazardous)</u>	No limit subject to maximum storage capacities detailed in Table 1.1.
Wastes from anaerobic treatment of waste	19 06 04 digestate from anaerobic treatment of municipal waste	

Table 1.2A. Permitted quantities of waste

Permitted Waste Categories	European Waste Catalogue Chapter	Maximum Permitted Quantities for each waste category (subject to maximum permitted total quantity in condition 1.2.2) (tonnes)
Landfill leachate	19 07 03 landfill leachate other than those mentioned in 19 07 02	
Wastes from waste water treatment plants not otherwise specified	19 08 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11	
	19 08 14 sludges from other treatment of industrial waste water other than those mentioned in 19 08 13	
	19 08 99 wastes not otherwise specified	
	<u>20 Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions (non-hazardous)</u>	No limit subject to maximum storage capacities detailed in Table 1.1.
Separately collected fractions (except 15 01)	20 01 25 edible oil and fat	
	20 01 30 detergents other than those mentioned in 20 01 29	

Explanatory Notes

These notes are for general guidance only and do not constitute an authoritative statement of the law.

Appeals

If a licence holder is aggrieved by the decision of the Agency to grant a Waste Management Licence subject to conditions he or she may appeal to the Secretary of State in accordance with Section 43 of the Environmental Protection Act 1990.

Notice of an Appeal must be given within 6 (six) months of the date of issue of this licence. The Secretary of State has power to allow a longer period for the giving of Appeal but he or she will not normally be prepared to exercise this power unless there are special circumstances that excuse the delay in giving notice of an Appeal.

A copy of the form on which notice of an Appeal may be given is available from:

Planning Inspectorate
Room 4/19
Eagle Wing
Temple Quay House
2 The Square
Temple Quay
Bristol BS1 6PN

Notification Address

Any notification the Licence Holder is required to make by the conditions of this licence shall be made to:

The Environment Planning Manager
Environment Agency
Lower Trent Area
Trentside Offices
Scarrington Road
West Bridgford
NOTTINGHAM NG2 5FA

Telephone: (0115) 945 5722
Facsimile: (0115) 981 7743

Your attention is drawn to the provisions of Sections 33, 34, 37, 39, 40, 41, 42, 43, 59, 64, 65, 66 and 71 of the Environmental Protection Act 1990, as well as Section 108 of the Environment Act 1990.

IMPORTANT SECTIONS OF THE ENVIRONMENTAL PROTECTION ACT 1990

Section 33

Prohibits under penalty the deposit, treatment, keeping or disposal of controlled waste in or on any land otherwise than in accordance with the terms of a Waste Management Licence.

Non compliance with any licence condition may lead to prosecution under this Section. A person who contravenes Section 33 subsection (1) shall, subject to subsection (7), be guilty of an offence and liable on summary conviction to imprisonment for a term not exceeding 6 (six) months or a fine not exceeding £20,000 (at the date of issue of this licence) or both, or on conviction on indictment, to imprisonment for a term not exceeding 2 (two) years or a fine or both, or in relation to special waste for a term not exceeding 5 (five) years or a fine or both.

Section 34

Places a duty on any person who imports, produces, carries, keeps, treats or disposes of controlled waste to take all such measures applicable to him or her as are reasonable in the circumstances to prevent any other person contravening Section 33, and to prevent the escape of waste from his control or that of any other person and, on the transfer of the waste, to ensure that it is only to an authorised person, or to a person for authorised transport purposes, and that a written description is transferred with it.

A person who contravenes Section 34 subsection (1) shall be guilty of an offence and liable on summary conviction to a fine not exceeding £5,000 (at the date of issue of this licence) or on conviction on indictment to a fine.

Section 35

A site licence may be granted by the Environment Agency authorising the treatment, keeping, or disposal of specified wastes on specified land, to the occupier of that land. The licence may be granted subject to such conditions that the Agency considers appropriate, in accordance with directions and guidance issued by the Secretary of State.

Section 37

The Environment Agency may modify the conditions of a licence on its own initiative, or on the application of the licence holder (accompanied by the appropriate fee), or on the direction of the Secretary of State. The licence holder may appeal to the Secretary of State if he or she is aggrieved by the decision of the Agency in modifying the conditions of a licence.

Section 38

Provides for the Environment Agency to revoke or suspend all or part of a licence if the licence holder has ceased to be a "fit and proper person" or activities authorised by the licence have caused or is about to cause pollution of the environment, harm to human health or become serious detriment to the amenities of the locality, and the pollution, harm or detriment cannot be avoided by modifying the conditions.

A person who continues to operate whilst the licence has been suspended or after it has been revoked, without reasonable excuse shall be guilty of an offence liable to a fine, imprisonment, or both.

Section 39

If the licence holder wishes to surrender this licence, he or she must apply to the Environment Agency (enclosing the prescribed fee). The Agency will only accept the surrender if it is satisfied that the condition of the land is such that it is unlikely to cause pollution of the environment or harm to human health as a result of the use of the land for the treatment, keeping or disposal of waste.

Section 40

If the licence holder wishes to transfer the licence to another person ("the transferee,") the licence holder and the transferee shall jointly make an application to the Environment Agency (enclosing the prescribed fee). The Agency will not effect the transfer unless it is satisfied that the transferee is a Fit and Proper Person.

Section 41

Provides a scheme of charges which are payable in respect of the subsistence of the licence and, on application, for modification, transfer or surrender of the licence. Non payment of the subsistence charge may lead to partial revocation of the licence.

Section 42

Places a duty on the Environment Agency to ensure those activities authorised by the licence do not cause pollution, harm to health, or serious detriment to the amenities of the locality, and that the conditions of the licence are complied with. If a person obstructs an employee of the Agency in carrying out this duty, they may commit an offence under Section 110 of the Environment Act 1995. If it appears to the Environment Agency that a condition of a licence is not being complied with, the Agency may serve notice on the licence holder to comply with the condition, and if he or she fails to comply so revoke or suspend all or part of the licence.

Section 43

Provides for the applicant for a licence or modification to appeal against all or any of the conditions in a licence or modification to the Secretary of State, or in certain circumstances, for a licence holder to appeal against any revocation or suspension of all or any part of a licence or modification to the Secretary of State.

Section 59

The Environment Agency is empowered to require the removal of any controlled waste deposited in breach of Section 33(1), or to require the undertaking of such works as are required to reduce or eliminate the consequences of such deposits.

Section 64

The Environment Agency is required to maintain a register of Waste Management Licences granted by the Agency, associated Working Plans, and matters relating to the transfer, modification, revocation, suspension and supervision of licences. Members of the public have free access to this register and may obtain copies of entries in the register.

Section 65

The Secretary of State may direct the Environment Agency to exclude certain information from the public register in the interests of national security.

Section 66

Provides for a licence holder to identify information submitted to the Environment Agency as being commercially confidential and to apply for that information to be excluded from the public register. The Agency will determine whether the information is commercially confidential and notify the licence holder accordingly. The licence holder has a right of Appeal to the Secretary of State if the Agency refuses to exclude the information from the public register.

Section 71

Provides for the Environment Agency to serve a notice in writing on any person, requiring that person to furnish such information specified in the notice within a specified period. If that person fails to comply with the notice or knowingly makes a false or reckless statement, he or she may be liable to a fine, imprisonment or both.



ENVIRONMENT
AGENCY

ENVIRONMENTAL PROTECTION ACT 1990

WASTE MANAGEMENT LICENCE NUMBER 408/1

SEVERN TRENT WATER LIMITED

WANLIP SEWAGE WORKS - WANLIP



The Environment Agency - Lower Trent, Waste Regulation being the Competent Authority for the County of Leicestershire HEREBY ISSUES this Notice under the Environmental Protection Act Section 37 (1)(b) to MODIFY Waste Management Licence Number: 408/1 issued to Severn Trent Water Limited whose Registered Office is situated at 2297 Coventry Road, Birmingham, B26 3PU for the operation of the TREATMENT PLANT at Fillingate, Wanlip, SUBJECT TO the following change:

Condition A3 of Waste Management Licence No. 408/1 to be deleted and substituted with

Condition A3

Hours of acceptance for industrial and commercial waste shall not exceed:-

7 days per week 06:00hrs to 18:00hrs

and only in emergencies outside these hours with the prior approval of the Environment Agency office that issued this Licence.

Condition D7 of Waste Management Licence 408/1 to be deleted and substituted with

Condition D7

Waste as detailed in Condition D1 shall not be stored on site prior to being discharged into the treatment works reception Points V, W, X, Y and Z on Plan Reference No 408/1/B.

Condition D8 of Waste Management Licence 408/1 to be deleted and substituted with

Condition D8

Digestible wastes are to be discharged directly to the digestion process marked as Point W and Z on plan reference No 408/1/B.



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Continued from page 1

Condition D9 of Waste Management Licence 408/1 to be deleted and substituted with

Condition D9

Liquid wastes are to be discharged directly to the main process at the points marked V, X and Y on the plan Reference No.408/1/B

This Licence shall now be known as Waste Management Licence Number 408/2.

Dated this Thirteen Day of September, Nineteen Hundred and Ninety Six.

G N Warren
Lower Trent Area Waste Manager

A handwritten signature in black ink, appearing to read "G. N. Warren".



**ENVIRONMENT
AGENCY**

WASTE MANAGEMENT LICENCE NUMBER 408/2

SEVERN TRENT WATER LIMITED

WANLIP SEWAGE WORKS - WANLIP

Waste Disposal Licence No. 408/1 first issued

14th November 1994

Waste Management Licence Number 408/2 modified

13th September 1996



OUTGOING

LEICESTERSHIRE COUNTY COUNCIL

CONTROL OF POLLUTION ACT 1974



PERMIT

WASTE DISPOSAL LICENCE - No.408/1

The LEICESTERSHIRE COUNTY COUNCIL being the Waste Regulation Authority for the County of Leicestershire HEREBY PERMITS Severn-Trent Water Ltd whose Registered Office address is situated at 2297, Coventry Road, Birmingham, B26 3PU to deposit waste as specified in Condition D1 of the attached Licence and in accordance with the terms expressed therein.

The activity at the site shall be in the form of DEPOSIT AND TREATMENT at the Leicester Sewage Treatment Works, Fillingate, Wanlip, Leicester, in accordance with Waste Disposal Licence Number 408/1 attached hereto.

Materials treated at the site shall be restricted to:-

- i) Category E wastes:
- Silt and Dredgings
 - Contaminated Water
 - Fats, Waxes and Greases
 - Tank cleaning sludges
 - Printing industry waste
 - Food processing waste
 - Animal processing waste
 - Interceptor pit waste and other industrial wastes

at a rate not exceeding 150 tonnes per hour to a maximum of 514,800 tonnes per year.

On issue of this licence it will be known as Waste Management Licence No. 408/1.

Dated this 14th day of November 1994.

A JOHNSTON
Chief Planner

County Hall,
Glenfield,
Leicester.
LE3 8RJ

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Severn Trent Water Limited

Wanlip Sewage Treatment Works
Combined Heat and Power Plant
Wanlip Sewage Treatment Works
Fillingate
Wanlip
Leicestershire
LE7 4PF

Variation application number
EPR/VP3733LC/V002

Permit number
EPR/VP3733LC

Wanlip Sewage Treatment Works Combined Heat and Power Plant

Permit number EPR/VP3733LC

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 VP3733LC	Duly made 18/04/06	
Additional information received	16/05/06	Confirmation of site boundary.
Additional Information	01/06/06	
Additional Information	28/07/06	
Schedule 4 Information Request	19/10/06	
Additional Information	20/10/06	
Additional Information	21/12/06	
Permit determined EPR/VP3733LC/A001	22/10/07	Original permit issued to Severn Trent Water Limited
Agency variation determined EPR/VP3733LC/V002	28/03/2013	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/VP3733LC

issued to:
Severn Trent Water Limited (“the operator”)

whose registered office is

Severn Trent Centre
2 St John's Street
Coventry
United kingdom
CV1 2LZ

company registration number **2366686**

to operate a regulated facility at

Wanlip Sewage Treatment Works
Combined Heat and Power Plant
Wanlip Sewage Treatment Works
Fillingate
Wanlip
Leicestershire
LE7 4PF

to the extent set out in the schedules.

The notice shall take effect from 28/03/2013

Name	Date
Damien Matthias	28/03/2013

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 1.3-This condition no longer applies
- Condition 1.4-This condition no longer applies
- 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	
Description of activities for waste operations	Limits of activities
R1: Burning of waste as a fuel	<ul style="list-style-type: none">• The combustion of fuel biogas) for the purpose of the generation of electricity and heat for use within the installation and the adjacent Sewage Treatment Works and/or export to the grid. From receipt of fuel to supply of heat and power and release of combustion gases.• Use of dual fuel boiler for the combustion of biogas or oil for the production of heat. From receipt of fuel to dispatch of heat and combustion products.• Operation of a biogas flare stack from receipt of the biogas to the release of combustion products from the flare stack.• Storage and handling of wastes including waste oils, from the generation of the waste through to its removal from the installation.• Storage of raw materials including lubrication oil and HFO, from receipt of raw material to dispatch for use.

Schedule 3 – conditions to be added

None



ENVIRONMENT
AGENCY

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Wanlip Sewage Treatment Works
Combined Heat and Power Plant

Severn Trent Water Limited
Wanlip Sewage Treatment Works
Fillingate
Wanlip
Leicestershire
LE7 4PF

Permit number
VP3733LC

Wanlip Sewage Treatment Works Combined Heat and Power Plant Permit Number VP3733LC

Introductory note

This introductory note does not form a part of the permit

A non-technical description of the installation is given in the Application, but the main features of the installation are as follows.

Severn Trent Water Limited own and operate a Combined Heat and Power (CHP) Plant at Wanlip Sewage Treatment Works (STW) which is located at Fillingate, Wanlip, Leicestershire, LE7 4PF. The STW is to the east of the installation which is located approximately 500m to the north of the village of Wanlip and 6km to the north of Leicester. The River Soar is approximately 300m to the north-northeast and 400m to the east and flows to the north.

Biogas generated during the sewage sludge treatment process at the STW is transferred to the CHP plant comprising two 2.7MW spark ignition CHP engines. The CHP engines run on biogas only. A third CHP engine is planned for the site, in summer 2008, and is permitted under this permit. Two gas holders and two gas compressors are included within the installation boundary but the digesters, which produce the gas, are not.

The CHP engines generate heat which is used to aid the sewage sludge digestion process; the engine cooling circuit recovers heat from the engine water jacket plate heat exchanger, the 1st stage intercooler and the lubrication oil and exhaust gas shell and tube heat exchanger. The heat is transferred using a closed loop water system, for which there is only minimal water consumption. A dual fuel boiler is installed for use if insufficient heat is produced by the CHP plant but this is not normally used. A flare stack is used to burn surplus biogas.

The electricity generated by the engines is used in the adjacent sewage treatment process: any surplus is exported to the national grid.

The installation gives rise to emissions of oxides of carbon, nitrogen and sulphur, plus small quantities of VOCs, to air from the CHP engines. The combustion products are emitted via discrete stacks to enable the dispersion of the pollutants.

The installation does not give rise to any significant releases to water. The only process water emissions are the condensate that collects in the gas pipes and on the exhaust heat exchanger. The condensate is collected and routed to the head of the adjacent STW. Surface water run off is collected by the site drainage and routed to head of the adjacent STW. All water used for cooling and heat transfer is contained within discrete circuits. The lubricant oil and waste oil stored on the installation have the potential to contaminate surface and groundwater and are stored securely in bunded tanks.

There is an Environment Management System in place at the STW, which mirrors the Severn Trent Water plc ISO14001 certified EMS but it is not itself accredited.

There are no significant emissions of noise or odour from the installation.

There are no SSSI or Habitats sites within 2km of the installation.

Status Log of the permit		
Detail	Date	Response Date
Application VP3733LC	Duly made 18/04/06	
Additional Information	16/05/06	24/05/06
Additional Information	01/06/06	07/06/06
Schedule 4 Information Request	28/07/06	11/09/06
Additional Information	19/10/06	24/10/06
Additional Information	20/10/06	30/10/06
Additional information	21/12/06	06/09/07
Permit determined	22/10/07	

End of Introductory Note

Permit

Pollution Prevention and Control
(England and Wales) Regulations 2000

Permit

Permit number

VP3733LC

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby authorises

Severn Trent Water Limited ("the operator"),

whose registered office (or principal office) is

2297 Coventry Road

Sheldon

Birmingham

B26 3PU

company registration number **2366686**

to operate an installation at

Wanlip Sewage Treatment Works Combined Heat and Power Plant

Wanlip Sewage Treatment Works

Fillingate

Wanlip

Leicestershire

LE7 4PF

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

Signed

Date

	22 nd October 2007
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S. McFarlane

Authorised to sign on behalf of the Agency

Condition

1. Management

1.1 General management

1.1.1 The activities shall be managed and operated:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Accidents that may cause pollution

1.2.1 The operator shall:

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

1.3 Energy efficiency

1.3.1 The operator shall:

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

1.4 Efficient use of raw materials

1.4.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every 4 years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

- (d) take any appropriate further measures identified by a review.

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

1.5.1. The operator shall:

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

1.6 Site security

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

2. Operations

2.1 Permitted activities

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

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 2 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1 table S1.2, unless otherwise agreed in writing by the Agency.

2.3.2 No raw materials or fuels listed in schedule 3 table S3.1 shall be used unless they comply with the specifications set out in that table.

2.4 Off-site conditions

There are no off-site conditions under this section.

2.5 Improvement programme

2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Agency.

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

2.6 Pre-operational conditions

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

2.7 Closure and decommissioning

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

2.8 Site protection and monitoring programme

- 2.8.1 The operator shall, within 2 months of the issue of this permit, submit a site protection and monitoring programme.
- 2.8.2 The operator shall implement and maintain the site protection and monitoring programme and shall carry out and record a review of it at least every 4 years.

3. Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 4 tables S4.1, S4.2 and S4.3.
- 3.1.2 The limits given in schedule 4 shall not be exceeded.

3.2 Transfers off-site

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

3.3 Fugitive emissions of substances

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

- 3.3.2 All liquids, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.4 Odour

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

3.5 Noise and vibration

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

3.6 Monitoring

- 3.6.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake the monitoring specified in the following tables in schedule 4 to this permit:
- (a) point source emissions specified in tables S4.1, S4.2 and S4.3;
 - (b) annual limits specified in table S4.4.
- 3.6.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 4 tables S4.1, S4.2 and S4.3 unless otherwise specified in that schedule.
- 3.6.5 Within 6 months of the issue of this permit (unless otherwise agreed in writing by the Agency) the site reference data identified in the site protection and monitoring programme shall be collected and submitted to the Agency.

3.7 Monitoring for the purposes of the Large Combustion Plant Directive

The installation is not subject to the Large Combustion Plant Directive.

4. Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) the site protection and monitoring programme.

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

4.2 Reporting

4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the assessment of the impact of the emissions submitted with the application;
- (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
- (c) the annual production /treatment data set out in schedule 5 table S5.2;
- (d) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule; and
- (e) details of any contamination or decontamination of the site which has occurred.

4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 5 table S5.1;
- (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

- 4.2.3 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.4 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency
- 4.2.5 The results of reviews and any changes made to the site protection and monitoring programme shall be reported to the Agency, within 28 days of the review or change.

4.3 Notifications

- 4.3.1 The Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit;
 - (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 6 to this permit within the time period specified in that schedule.
- 4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:
- (a) as soon as practicable prior to the permanent cessation of any of the activities;
 - (b) cessation of operation of part or all of the activities for a period likely to exceed 1 year; and
 - (c) resumption of the operation of part or all of the activities after a cessation notified under (b) above.
- 4.3.4 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.5 Where the Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.6 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- (a) any change in the operator's trading name, registered name or registered office address;
 - (b) any change to particulars of the operator's ultimate holding company (including details of an ultimate holding company where an operator has become a subsidiary); and
 - (c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

4.4 Interpretation

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

Schedule 1 - Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity	Limits of specified activity
S1.1 A1 (b)(iii) – “Burning any of the following fuels in an appliance with a rated thermal input of 3 megawatts or more but less than 50 megawatts unless the activity is carried out as part of a Part A(2) or B activity – (iii) any fuel manufactured from, or comprising, any other waste.”	The combustion of fuel (biogas) for the purpose of the generation of electricity and heat for use within the installation and the adjacent Sewage Treatment Works and/or export to the grid.	From receipt of fuel to supply of heat and power and release of combustion gases.
Directly associated activities		
Dual fuel boiler	Combustion of biogas or oil for the production of heat	From receipt of fuel to dispatch of heat and combustion products
Flaring of biogas	Operation of a biogas flare stack	From receipt of the biogas to the release of combustion products from the flare stack.
Waste storage	Storage and handling of wastes including waste oils	From the generation of the waste through to its removal from the installation
Raw material storage	Storage of raw materials including lubrication oil and HFO	From receipt of raw material to dispatch for use.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The response to section 2.1 and 2.2 in the Application.	18/04/06
Schedule 4 Notice Request dated 28/07/06	Entire response, except question 5.	11/09/06
Additional information requested 21/12/06	Entire response	06/09/07

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	<p>The Operator shall submit a written Accident Management Plan for approval by the Environment Agency. The plan shall have regard to the requirements set out in section 2.8 of IPPC Sector Guidance Note for Combustion Activities V2.03, July 2005</p> <p>The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan.</p> <p>The plan shall be implemented by the operator from the date of approval in writing by the Environment Agency.</p>	01/02/08
IC2	<p>The Operator shall review the installation's Environment Management System. Severn Trent Water plc EMS protocols shall be fully extended to the CHP installation, having regard to the requirements set out in section 2.3 of IPPC Sector Guidance Note for Combustion Activities V2.03, July 2005. Written evidence shall be supplied to the Agency for approval.</p> <p>The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of this evidence.</p>	01/02/08
IC3	<p>The Operator shall develop a Site Closure Plan having regard to the requirements set out in Section 2.11 of the IPPC Sector Guidance Note for Combustion Activities V2.03, July 2005. Upon completion of the plan a summary of the document shall be submitted to the Agency in writing for approval.</p> <p>The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan.</p>	01/05/08
IC4	<p>The Operator shall undertake an assessment of the containment measures. This shall include proposals to improve the collection and routing of the condensate to the site drainage system.</p> <p>The assessment shall take into account the requirements of section 2.2.9 of the Agency IPPC Guidance Note for Combustion Activities V2.03, July 2005 and Box 5 of the H7 Guidance – Application Site Report and Site Protection and Monitoring Programme.</p> <p>A written report summarising the findings shall be submitted to the Agency for approval. A timescale for the implementation of any improvements shall be agreed with the Agency in writing.</p> <p>The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the report.</p>	01/05/08

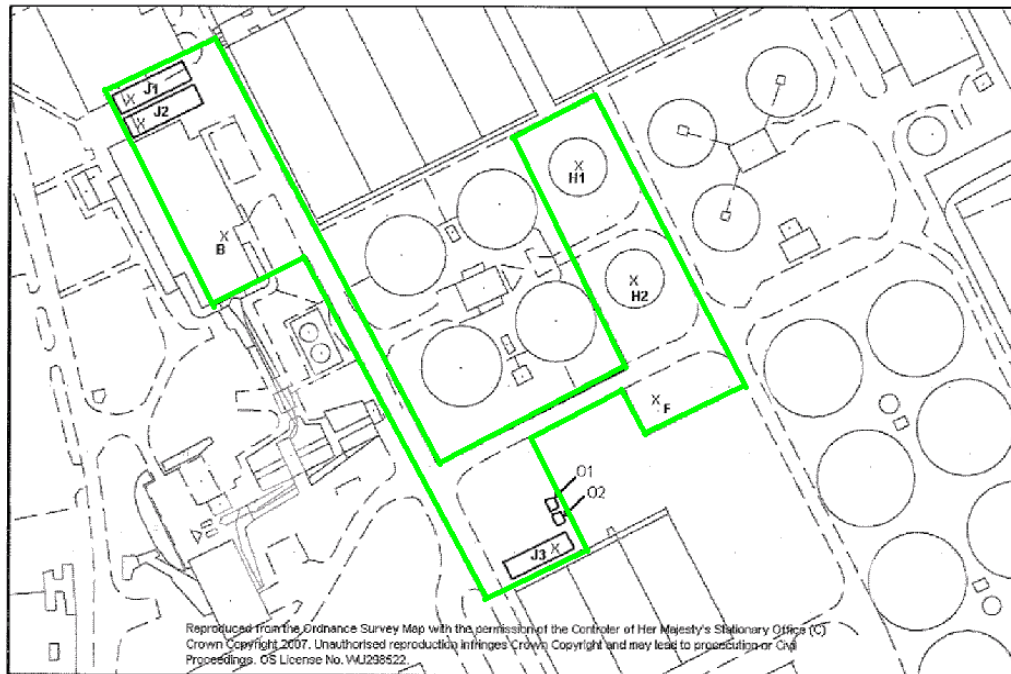
IC5	<p>The Operator shall develop a monitoring plan to be submitted to the Agency in writing that shall detail the proposed methodologies to be used within the installation to carry out the monitoring of air emissions and performance measures identified within Tables S3.1, S4.1 and S4.4. The methodology for the monitoring of emissions to air from emission points A1, A2, A3 and A7 shall comply with the requirements of Agency monitoring guidance documents:</p> <ul style="list-style-type: none"> - M1 – Sampling Requirements For Stack Emissions Monitoring; - M2 – Monitoring Of Stack Emissions To Air; and - Section 2.10 of Agency Combustion Technical Guidance Note. <p>The plan shall be implemented by the operator from the date of approval in writing by the Agency.</p>	01/05/08
IC6	<p>The Operator shall review the level of NO_x and SO₂ emissions following completion of the monitoring exercise carried out in accordance with improvement condition IC5 to determine actual values for the releases to air.</p> <p>The Operator shall use these detailed release data to establish the actual impact on air quality through the use of an appropriate air dispersion model.</p> <p>The results of the review and modelling shall be submitted to the Agency in a written report.</p>	01/11/08
IC7	<p>The Operator shall undertake a review to identify all appropriate options for reducing the emissions to air to at least the benchmark standards in the Agency Technical Guidance Note for Combustion and to ensure that the releases to air do not result in a significant contribution to an exceedence of an Air Quality Objective or European Union Limit Value. Where an exceedence of an EU limit Value is predicted and the operations would provide a significant contribution to the exceedence then the review shall assess whether it is necessary to implement measures beyond indicative BAT in order to ensure that the contribution is minimised.</p> <p>The review shall include, but not be limited to, the primary and secondary measures for the reduction of the relevant pollutants listed in the Agency Technical Guidance Note for Combustion (or other appropriate guidance), identification of the most appropriate stack height for dispersion of the waste gases and either pre-treatment of fuel or abatement of releases to air post combustion as appropriate. Where measures can be undertaken to limit the impact on air quality in the short term whilst long term solutions are implemented then the report should include proposals for both short term and long term measures as appropriate.</p> <p>The operator shall submit a written report, for approval by the Environment Agency, detailing the elements of the review and its conclusions and shall include a programme for implementation of the appropriate measures, including a timetable for their implementation</p>	01/11/08

IC8	<p>The Operator shall complete the development of the installation Energy Management Plan, having regard to the requirements set out in 2.7 of the IPPC Sector Guidance Note for Combustion Activities. Written evidence shall be supplied for approval to the Agency.</p> <p>The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan.</p> <p>The plan shall be implemented by the operator from the date of approval by the Environment Agency.</p>	01/11/08
IC9	<p>The Operator shall submit a commissioning report in writing to the Agency following the commissioning of the third CHP engine. This report shall include assessments of the efficiency of the engine and of the impact of its emissions in line with the provisions of IC6 together with measures to reduce such impacts, where appropriate, in line with the provisions of IC7.</p>	Within 3 months of commissioning the engine

Table S1.4 Pre-operational measures for future development

Reference	Operation	Pre-operational measures
1	CHP engine no. 3	The operator shall submit a report to the Agency in writing confirming the location of the new CHP unit together with details of any modifications to the site drainage system, and any other plant, consequent upon the development.

Schedule 2 - Site plan



Schedule 3 - Waste types, raw materials and fuels

Table S3.1 Raw materials and fuels

Raw materials and fuel description	Specification
Biogas from adjacent STW digesters	Not more than 400mg/m ³ hydrogen sulphide
Heavy fuel oil	Not more than 1% w/w sulphur

Schedule 4 – Emissions and monitoring

Table S4.1 Point source						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on revised air emission points diagram]	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Spark ignition engine no. 1	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 14792 Permanent sampling access not required
A1 [Point A1 on revised air emission points diagram]	Carbon monoxide	Spark ignition engine no. 1	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 15058 Permanent sampling access not required
A1 [Point A1 on revised air emission points diagram]	Total VOCs	Spark ignition engine no. 1	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 12619 or BS EN 13526 depending on concentration Permanent sampling access not required
A1 [Point A1 on revised air emission points diagram]	Non methane VOCs as benzene	Spark ignition engine no. 1	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 13649:2002 Permanent sampling access not required
A1 [Point A1 on revised air emission points diagram]	Sulphur dioxide	Spark ignition engine no. 1	-	Hourly average over a period of at least 4 hours	6 monthly monitoring to commence on completion of IC5	BS6069 Permanent sampling access not required
A2 [Point A2 on revised air emission points diagram]	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Spark ignition engine no. 2	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 14792 Permanent sampling access not required
A2 [Point A2 on revised air emission points diagram]	Carbon monoxide	Spark ignition engine no. 2	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 15058 Permanent sampling access not required
A2 [Point A2 on revised air emission points diagram]	Total VOCs	Spark ignition engine no. 2	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 12619 or BS EN 13526 depending on concentration Permanent sampling access not required

A2 [Point A2 on revised air emission points diagram]	Non methane VOCs as benzene	Spark ignition engine no. 2	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 13649:2002 (Permanent sampling access not required)
A2 [Point A2 on revised air emission points diagram]	Sulphur dioxide	Spark ignition engine no. 2	-	Hourly average over a period of at least 4 hours	6 monthly monitoring to commence on completion of IC4	BS6069 (Permanent sampling access not required)
A3 [Point A3 on revised air emission points diagram]	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Boiler	-	Hourly average over a period of at least 4 hours.	Annually. To commence on completion of IC5	BS EN 14792 Permanent sampling access not required
A3 [Point A3 on revised air emission points diagram]	Carbon monoxide	Boiler	-	Hourly average over a period of at least 4 hours.	Annually. To commence on completion of IC5	BS EN 15058 Permanent sampling access not required
A3 [Point A3 on revised air emission points diagram]	Total VOCs	Boiler	-	Hourly average over a period of at least 4 hours.	Annually. To commence on completion of IC5	BS EN 12619 or BS EN 13526 depending on concentration Permanent sampling access not required
A3 [Point A3 on revised air emission points diagram]	Non methane VOCs as benzene	Boiler	-	Hourly average over a period of at least 4 hours.	Annually. To commence on completion of IC5	BS EN 13649:2002 Permanent sampling access not required
A3 [Point A3 on revised air emission points diagram]	Sulphur dioxide	Boiler	-	Hourly average over a period of at least 4 hours	Annually. To commence on completion of IC5	BS6069 Permanent sampling access not required
A4 [Point A4 on revised air emission points diagram]	-	Relief valve on gas holder 1	-	-	-	-
A5 [Point A5 on revised air emission points diagram]	-	Relief valve on gas holder 2	-	-	-	-
A6 [Point A6 on revised air emission points diagram]	-	Gas flare	-	-	-	-

A7 [Point A7 on revised air emission points diagram]	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Spark ignition engine no. 3	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 14792 (Permanent sampling access not required))
A7 [Point A7 on revised air emission points diagram]	Carbon monoxide	Spark ignition engine no. 3	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 15058 (Permanent sampling access not required)
A7 [Point A7 on revised air emission points diagram]	Total VOCs	Spark ignition engine no. 3	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 12619 or BS EN 13526 depending on concentration (Permanent sampling access not required)
A7 [Point A7 on revised air emission points diagram]	Non methane VOCs as benzene	Spark ignition engine no. 3	-	Hourly average over a period of at least 4 hours.	6 monthly monitoring to commence on completion of IC5	BS EN 13649:2002 (Permanent sampling access not required)
A7 [Point A7 on revised air emission points diagram]	Sulphur dioxide	Spark ignition engine no. 3	-	Hourly average over a period of at least 4 hours	6 monthly monitoring to commence on completion of IC5	BS6069 (Permanent sampling access not required)

Table S4.2 Point Source emissions to water (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
-	-	-	-	-	-	-

Table S4.3 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 [Point S1on site drainage plan]	No parameters set.	Surface water runoff.	-	-	-	-
S2 [Point S2 on site drainage plan]	No parameters set.	Surface water runoff.	-	-	-	-

Table S4.4 Process monitoring requirements

Emission point ref. & location	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
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Engines 1,2 and 3	Hours of operation	Continuous	Not applicable
Boiler	Hours of operation	Continuous	Not applicable
Operation of the flare	Hours of operation	Continuous	Not applicable

Schedule 5 - Reporting

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

Table S5.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Oxides of nitrogen Parameters as required by condition 3.6.1.	A1, A2, A3, A7	Annually	01/01/08
Carbon monoxide Parameters as required by condition 3.6.1	A1,A2, A3, A7	Annually	01/01/08
Total VOCs	A1, A2, A3, A7	Annually	01/01/08
Non methane VOCs	A1, A2, A3, A7	Annually	01/01/08
Sulphur dioxide Parameters as required by condition 3.6.1	A1, A2, A3, A7	Annually	01/01/08

Table S5.2 Annual production/treatment

Parameter	Units
Electricity generated	MWh

Table S5.3 Performance parameters

Parameter	Frequency of assessment	Units
Electricity usage	Annually	MWh
Electricity exported	Annually	MWh
Biogas usage	Annually	m ³
Boiler usage	Annually	hrs
Flare usage	Annually	hrs
CHP engine usage	Annually	hrs
CHP engine efficiencies	Annually	%
Mass releases of carbon monoxide, oxides of nitrogen and sulphur dioxide	Annually	tonnes

Table S5.4 Reporting forms

Media/ parameter	Reporting format	Date of form
Air	Form Air 1 or other form as agreed in writing by the Agency	05/10/07
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	05/10/07
Other performance indicators	Form performance 1 or other form as agreed in writing by the Agency	05/10/07

Schedule 6 - Notification

These pages outline the information that the operator must provide.

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

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

Part A

Permit Number	VP3733LC
Name of operator	Severn Trent Water Limited
Location of Installation	Wanlip Sewage Treatment Works Biogas Combined Heat and Power Plant
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 installation in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Severn Trent Water Ltd.

Schedule 7 - Interpretation

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

"*Annually*" means once every year.

"*Application*" means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 4 to the PPC Regulations.

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

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

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

"*Half-year*" means from the 1st of January to the 30th of June or the 1st of July to the 31st of December.

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

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

"*MCR*" means maximum continuous rating.

"*Natural gas*" means naturally occurring methane with no more than 20% by volume of inert or other constituents.

"*NCV*" means net calorific value.

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

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

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

"*Reference conditions*" means:

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.

"*Site protection and monitoring programme*" means a document which meets the requirements for site protection and monitoring programmes described in the Land Protection Guidance.

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

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.
- (b) In relation to spark ignition engines; an oxygen content of 5%, dry, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, for liquid and gaseous fuels.

END OF PERMIT