

Headquarters,  
P.O. Box 3000,  
Johnstown Castle Estate  
County Wexford, Ireland

## **WASTE LICENCE PROPOSED DECISION**

<b>Waste Licence Register Number:</b>	W038
<b>Applicant:</b>	Southern Health Board
<b>Location of Facility:</b>	Boiler House Complex Cork University Hospital Ballinaspig Beg, Wilton, Cork

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# Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act to grant this Waste Licence to the Southern Health Board to carry on the waste activities listed below at Cork University Hospital, Ballinaspig Beg, Wilton, Cork, subject to 11 conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

*Licensed Waste Disposal Activities, in accordance with the Third Schedule  
of the Waste Management Act, 1996*

*Class 7:* Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in this Schedule (including evaporation, drying and calcination).

# Interpretation

<b>Act</b>	The Waste Management Act, 1996 (No. 10 of 1996).
<b>Adequate lighting</b>	20 lux measured at ground level.
<b>AER</b>	Annual Environmental Report.
<b>Aerosol</b>	A suspension of solid or liquid particles in a gaseous medium.
<b>Annually</b>	All or part of a period of twelve consecutive months.
<b>BATNEEC</b>	Best Available Technology Not Entailing Excessive Cost as defined in Section 5(2) of the Act.
<b>Bi-annually</b>	All or part of a period of six consecutive months.
<b>BOD</b>	5 day Biochemical Oxygen Demand.
<b>COD</b>	Chemical Oxygen Demand.
<b>Challenge test</b>	The introduction into the system of known microbiological indicators to provide an assessment of the effectiveness of the disinfection process.
<b>Containment boom</b>	A boom which can contain spillages and prevent these from entering drains or watercourses.
<b>Daily</b>	During days of the week with at least 200 measurements in a calendar year and no more than 1 measurement on any one day.
<b>Daytime</b>	0800 hrs to 2200 hrs.
<b>dB(A)</b>	Decibels (A weighted).
<b>Emission</b>	As defined in Section 5 (1) of the Act.
<b>EMP</b>	Environmental Management Plan.
<b>Environmental Pollution</b>	As defined in Section 5 (1) of the Act.
<b>European Waste Catalogue (EWC)</b>	The EWC is a harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
<b>Facility</b>	That area or areas defined under Condition 1.3 of this licence.

<b>Holo-flite unit</b>	This unit consists of heated augers in which shredded waste is heated and conveyed under strict temperature and auger speed control to achieve disinfection.
<b>Incident</b>	Any reference to an incident in this licence means an incident as defined in Condition 3.1.
<b>Joint Waste Management Board document</b>	“Specification for the transport, treatment and disposal of clinical / healthcare risk waste throughout the island of Ireland” - prepared on behalf of the Department of Health, Republic of Ireland, the Department of Health and Social Services and the Central Supplies Agency, Northern Ireland.
<b>kPa</b>	kilo Pascals.
<b>Leq</b>	Equivalent continuous sound level.
<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>4 Log<sub>10</sub> Reduction</b>	A 4 decade reduction or a 0.0001 survival probability in a microbial population; i.e., a 99.99% reduction.
<b>6 Log<sub>10</sub> Reduction</b>	A 6 decade reduction or a 0.000001 survival probability in a microbial population; i.e. a 99.9999% reduction.
<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function.
<b>Monthly</b>	At least 12 times per year, at approximately monthly intervals.
<b>Night-time</b>	2200 hrs to 0800 hrs.
<b>Noise sensitive location</b>	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
<b>The Licensee</b>	Southern Health Board.
<b>Trade effluent</b>	As defined in the Local Government (Water Pollution) Act , 1977.
<b>Trigger Level</b>	A parameter value which when achieved or exceeded requires certain actions to be taken.
<b>Waste</b>	As defined in Section 4(1) of the Act.
<b>Waste disposal activity</b>	Includes the activities referred to in Section 4 of the Act and listed in the Third Schedule thereto.
<b>Weekly</b>	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
<b>Working Day</b>	The plant may be operated on Monday to Saturday inclusive between the hours of 7am and 10p.m.

# CONDITIONS

## Condition 1 SCOPE

- 1.1 The waste activities authorised by this licence are listed and described in *Schedule A: Waste Activities*. Waste activities at the facility shall be restricted to those listed in Schedule A and any restrictions set down therein.
- 1.2 All activities shall be controlled, operated and maintained in accordance with the conditions and schedules attached to this licence. All programmes and plans required to be carried out under the terms of this licence become part of this licence.
- 1.3 Waste activities shall be restricted to the area of land outlined in red on the Site Plan, Drawing No. CUH-WL-102 Rev A of the waste licence application. Any reference in this licence to “facility” shall mean the area thus outlined in red.
- 1.4 Wherever a condition of this licence requires the licensee to submit a plan, programme, or proposal to the Agency for its agreement, the licensee shall subsequently modify such documentation in accordance with, and within the time stated in, any written instructions from the Agency. The actions described therein shall be carried out within any timescale specified in writing by the Agency but shall not be undertaken without the prior written agreement of the Agency.
- 1.5 This licence is for the purposes of waste licensing under the Waste Management Act, 1996 only and nothing in this licence shall be construed as negating the licensee’s statutory obligations or requirements under any other enactments or regulations.
- 1.6 Where the Agency considers that a non-compliance with the conditions of this licence has occurred, it may serve a notice on the licensee specifying:
  - a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date specified in the notice;
  - b) that the licensee shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within any time-scale contained in the notice; and,
  - c) that the licensee shall carry out any other requirement specified in the notice.

When the notice has been complied with, the licensee shall provide written confirmation that the requirements of the notice have been carried out. No waste, other than that which is stipulated in the notice, shall be accepted at the facility until written confirmation is received from the Agency that the notice is withdrawn.

<i>Reason: To clarify the scope of this licence.</i>
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## Condition 2 MANAGEMENT OF THE ACTIVITY

### 2.1 Environmental Management System.

2.1.1 The licensee shall, within eighteen months from the date of grant of this licence, submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the written agreement of the Agency, the licensee shall establish and maintain such a system.

2.1.2 The EMS shall describe, assess and review the design, construction, operation, monitoring, management and maintenance of the facility. The EMS shall be updated on an annual basis with amendments submitted to the Agency for agreement. The EMS shall include as a minimum those elements specified in the Conditions 2.2 to 2.9 below:

### 2.2 Schedule of Environmental Objectives and Targets.

2.2.1 The licensee shall, within twelve months from the date of grant of this licence, submit to the Agency for its agreement a Schedule of Environmental Objectives and Targets. The objectives should be specific and the targets measurable.

2.2.2 The licensee shall have regard to those matters listed in *Schedule B Content of Annual Environmental Report* when establishing the Schedule of Objectives and Targets. The Schedule shall address a five year period as a minimum and shall be reviewed and submitted annually to the Agency for its agreement.

### 2.3 Environmental Management Programme.

2.3.1 The licensee shall, not later than nine months from the date of grant of this licence, submit to the Agency for its agreement an Environmental Management Programme (EMP). The EMP shall include a time-scale for achieving the Schedule of Objectives and Targets.

2.3.2 The EMP shall include, as a minimum, the information specified in *Schedule C: Content of the Environmental Management Programme*. The EMP shall be reviewed and submitted to the Agency for its agreement annually.

### 2.4 Mass Balance of Specified Substances.

2.4.1 The licensee shall, at a date to be agreed in writing with the Agency, submit to the Agency for its agreement a Mass Balance of Specified Substances (MBSS), which shall include a list of substances and the methodology to be used in their determination and shall be in accordance with any regulations regarding an MBSS made under Section 64 of the Waste Management Act, 1996.

2.4.2 The MBSS once agreed shall be reviewed and submitted to the Agency for its agreement annually.

### 2.5 Corrective Action

2.5.1 The licensee shall establish and maintain written Corrective Action Procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for initiating further



investigation and corrective action in the event of a reported non-compliance with this licence shall be defined.

2.6 Awareness and Training.

2.6.1 The licensee shall establish and maintain Awareness and Training Procedures for identifying training needs and for providing appropriate training, for all personnel whose work relating to the facility can have a significant effect upon the environment. Written records of training shall be maintained.

2.7 Responsibilities.

2.7.1 Within three months from the date of grant of this licence, the licensee shall submit written details of the management structure of the facility for the agreement of the Agency. Any proposed changes in the management structure shall be submitted in writing to the Agency for its agreement. Written details of the management structure shall include the following information:

2.7.1.1 the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence;

2.7.1.2 details of the responsibilities for each individual named under 2.7.1.1 above;

2.7.1.3 details of the relevant experience, competence and qualifications held by each of the persons nominated under 2.7.1.1 above; and,

2.7.1.4 contingency arrangement for the absences of the named persons from the facility.

This information shall take into account the need for adequate staff coverage in relation to absences from work due to matters such as annual leave, illness, and other absences.

2.8 Communications.

Within three months from the date of grant of this licence, the licensee shall submit for agreement to the Agency a Communications Programme to ensure that members of the public can obtain information concerning the environmental performance of the facility at all reasonable times.

2.9 Annual Environmental Report.

2.9.1 The licensee shall submit to the Agency for its agreement, within eighteen months from the date of grant of this licence, and within one month of the end of each year thereafter, an Annual Environmental Report (AER).

2.9.2 The AER shall include as a minimum the information specified in *Schedule B Content of Annual Environmental Report* and shall be prepared in accordance with any relevant written guidelines issued by the Agency.

2.10 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a suitably qualified and experienced deputy, shall be present at all times during the operation of the facility.

2.11 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required.

2.12 The licensee shall provide a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.

*Reason: To make provision for management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.*

## Condition 3 NOTIFICATION AND RECORD KEEPING

- 3.1 The licensee shall make a written record of the following incidents:
- a) any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment;
  - b) any emission which does not comply with the requirements of this licence;
  - c) any trigger level specified in this licence or in the EMS which is attained or exceeded;
  - d) any test failures of waste samples taken;
  - e) any malfunction of any environmental control system;
  - f) any indication that contamination has, or may have, taken place;
  - g) any occurrence with the potential for environmental pollution; and,
  - h) any emergency.
- 3.2 The written record of an incident shall include the following:
- a) the date, time and location of the incident;
  - b) a description of the incident, including the nature, source and cause of the emission;
  - c) an evaluation of the environmental pollution, if any, caused by the incident;
  - d) the steps taken to minimise the emissions/malfunction;
  - e) the steps taken to avoid recurrence; and,
  - f) any other remedial action undertaken.
- 3.3 Unless otherwise instructed in writing by the Agency, the licensee shall notify the Agency by telephone and facsimile as soon as practicable after the occurrence of any incident.
- 3.4 Unless otherwise instructed in writing by the Agency, the licensee shall submit the written record to the Agency as soon as is practicable and in any case within five working days after the occurrence of any incident.
- 3.5 Should any further actions be taken after the date of written notification, as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.
- 3.6 Copies of all monitoring and analyses results relating to the facility shall be forwarded to the Agency at the reporting frequencies set out in *Schedule D: Recording and Reporting to the Agency*, unless otherwise agreed in writing in advance with the Agency.

- 3.7 The licensee shall forward all notifications, records, and reports, as set out in *Schedule D: Recording and Reporting to the Agency*, to the Agency's headquarters unless an alternative location is agreed in advance in writing with the Agency. The format of all notifications, records and reports shall be to the satisfaction of the Agency. Unless otherwise agreed in writing with the Agency, one original and three copies shall be submitted.
- 3.8 In the event of any incident which relates to discharges to surface water, or which affects the interests of the Local Authority, the licensee shall notify the Southern Regional Fishery Board and/or Cork Corporation, as appropriate, as soon as practicable by telephone and in writing (by facsimile if available) and in any case not later than 10:00am on the following working day after such an incident.
- 3.9 Unless otherwise agreed in advance in writing with the Agency, the licensee must give at least fourteen days notice to the Agency of the following events:
- a) the cessation of waste disposal activities at the facility for a period in excess of twenty-eight days;
  - b) the re-commencement of waste disposal activities at the facility following a period of cessation referred to at a) above.
- 3.10 Unless otherwise agreed in advance in writing with the Agency, the licensee shall submit copies of the results of all monitoring required in *Schedule E: Monitoring* and a written interpretation of those results setting out their significance to the Agency quarterly. The format in which the results and the interpretation are submitted shall be in accordance with any written guidelines issued by the Agency.
- 3.11 Provision shall be made for the transfer of environmental information in relation to this licence to the Agency's computer system, as may be requested in writing by the Agency. Such transfer shall be carried out within any timescale specified in writing by the Agency.
- 3.12 All written records, reports and other documents submitted to the Agency shall be certified accurate and representative by the licensee.
- 3.13 Unless otherwise agreed in advance in writing with the Agency, all written records, reports and other documents required to be maintained under this licence shall be retained by the licensee until the licensee receives notice from the Agency in accordance with Section 48(8) of the Waste Management Act, 1996. The licensee shall then transfer documentation specified by the Agency, or copies of it, to the Agency within a time and in the manner specified in writing by the Agency.
- 3.14 Unless otherwise agreed in writing with the Agency, copies of all written records, reports and other documents referred to in this licence shall be maintained in the plant office shown in Drawing No. CUH-WL-102A and shall be made available to the Agency at all reasonable times.
- 3.15 The licensee shall provide copies of any written records, reports and other documents referred to in this licence to the Agency upon written request, within the time specified in writing by the Agency.
- 3.16 The licensee shall also keep the following documents at the facility office:
- a) the current waste licence relating to the facility;
  - b) all previous waste licences in respect of the facility;
  - c) the current EMS for the facility;

- d) the previous year's AER for the facility;
  - e) all written procedures produced by the licensee which relate to the licensed activities.
- 3.17 The licensee shall maintain a written record for each load of waste arriving at and being removed from the facility. The licensee shall record the following:
- a) a description of the waste;
  - b) time and date of waste arriving at or being removed from the facility;
  - c) the name of the carrier;
  - d) the vehicle registration number;
  - e) the name of the producer(s)/collector(s) of the waste as appropriate;
  - f) ultimate destination and name of persons responsible for the ultimate disposal/recovery of the treated residual waste as appropriate;
  - g) the quantity of the waste, recorded in kg;
  - h) the name of the person checking the load; and,
  - i) where loads or parts thereof are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed.
- 3.18 The licensee shall maintain a written record of residual waste that failed the test procedures outlined in Schedule E(vi) and the procedures followed thereafter.
- 3.19 The licensee shall maintain a written record of all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the following:
- a) date and time of the complaint;
  - b) the name of the complainant;
  - c) details of the nature of the complaint;
  - d) actions taken in respect of the complaint and the results of such actions; and,
  - e) the response made to each complainant.

*Reason : To provide for the notification of incidents, to update information on the activity and to provide for the keeping of records.*

## Condition 4 SITE INFRASTRUCTURE

- 4.1. The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as agreed in advance in writing with the Agency.
- 4.2. Site Notice Board
- a) Within three months from the date of grant of this licence, the licensee shall provide and maintain a notice board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200mm by 750 mm.
  - b) The site notice board shall clearly show:
    - i) the name and telephone number of the facility;
    - ii) the normal hours of operation;
    - iii) the name, address and telephone number of the licence holder;
    - iv) an emergency out of hours contact telephone number;
    - v) the name, address and telephone number of the operator of the facility; and,
    - vi) the waste licence reference number.
- 4.3. Site Security
- a) The site security measures as outlined in Attachment D.1 of the waste licence application shall be implemented
- 4.4. All surfaces within the site shall be finished as described in Attachment D.1 and Attachment F.8 of the waste licence application and shall drain to surface water drains.
- 4.5. The licensee shall provide and maintain an office on the facility, at the location shown in Drawing No. CUH-WL-102A of the waste licence application and referred to therein as the Plant Office. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 4.6. The licensee shall provide and maintain a working telephone and facsimile machine in the office specified in Condition 4.5 above.
- 4.7. A Waste Inspection Area shall be provided and maintained at the facility, at the location shown in Drawing No. CUH-WL-102A of the waste licence application and referred to therein as Waste Inspection/Receipt Area. This area shall be constructed and maintained in a manner suitable for the inspection of waste.
- 4.8. A weigh station with platform scales shall be maintained within the process building at the location shown in Drawing No.-CUH-WL-102A of the waste licence application and referred to as Weighing Machine and shall be maintained and calibrated.
- 4.9. Site lighting and power supplies shall be established and maintained as described in Attachment D.1 of the waste licence application. Adequate site lighting must be provided during the operation of the facility.

#### 4.10. Fuel Storage

- a) Heat transfer oil and top up oil shall be stored within the process area as specified in Attachment D.1 of the waste licence application.
- b) The storage area shall be rendered impervious to the materials stored therein. The storage area shall, as a minimum be bunded, either locally or remotely, to a volume not less than 110% of the capacity of the largest tank or drum within the bunded area.
- c) Drainage from bunded areas shall be diverted for collection and safe disposal.
- d) The integrity and water tightness of all the bunds, tanks and containers and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within six months from the date of grant of this licence. This testing shall be carried out at least once every three years thereafter. A written record of such tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- e) All tanks and containers shall be labelled to clearly indicate their contents.

*Reason: To provide for the protection of the environment*

## **Condition 5            WASTE ACCEPTANCE AND HANDLING**

5.1 The following Health Care risk waste only shall be accepted at the facility:

- (a) used sharp instruments;
- (b) infected or potentially hazardous health care risk waste;
- (c) autoclaved laboratory waste and
- (d) potentially offensive material as outlined in the waste licence application.

The facility will only process Health Care risk waste which is stored in wheeled carts containing UN compliant marked and tagged bags and sharps in appropriate cannisters as submitted in Attachment E2 of the waste licence application.

- 5.2 Waste shall only be deposited and stored in the location marked as "Waste Inspection/Receipt" on Drawing No. CUH-WL-102A in the waste licence application.
- 5.3 All waste shall be shredded and treated as detailed in Attachment D2 of the waste licence application. Any waste deemed unsuitable and/or in contravention of this Waste Licence shall be immediately separated and at the earliest possible time removed for disposal or recovery at an appropriate alternative facility.
- 5.4 The procedure for the diversion of unacceptable health care waste and the disposal of wheeled cart washings shall be as outlined in Attachment E3 of the waste licence application.
- 5.5 All treated waste shall be placed in a dedicated compacting unit and will be held on site until test results confirm its successful treatment.
- 5.6 The quantity of wastes to be accepted at the facility, shall not exceed 1,000 tonnes per annum, unless otherwise agreed in writing with the Agency.
- 5.7 The maximum tonnage to be processed shall not exceed 650 kg per hour or 5 tonnes per day unless subject to the prior written agreement of the Agency.
- 5.8 Waste shall only be accepted at the facility between the hours of 07:00 and 22:00 Monday to Saturday inclusive.
- 5.9 The procedure for waste acceptance at the facility shall be as submitted in Attachment E2 of the waste licence application.
- 5.10 The Heat Disinfection System (HDS) processing area shall have a controlled contaminated area as outlined in Attachment D2 of the waste licence application.
- 5.11 During operation of the HDS the process control parameters shall be continuously monitored so as to ensure that temperatures and residence times detailed in Attachment D2 of the waste licence application are maintained within the process limits.
- 5.12 Continuous records shall be kept of the following process control parameters:-
- (a) Exit waste temperature from Holo-flite
  - (b) Ambient air temperature within the Holo-flite
  - (c) Holo-flite rotation speed



- (d) Temperature of heat transfer fluid
- (e) The mode of operation (automatic or maintenance)

These records shall be held on site for two weeks.

- 5.13 Copies of the records held on site and referred to in Condition 5.12 shall be made available to the Agency and Cork Corporation by the licensee at all reasonable times.
- 5.14 Maintenance of the HDS shall be in accordance with the information supplied in Attachment D2 of the waste licence application.
- 5.15 The performance of the HDS shall be evaluated as follows: (a) by determining residence time in the heat processor, (b) by use of thermal indicator strips, (c) by performing challenge tests against vegetative and spore forming bacteria and (d) by the representative sampling of the processed waste residue in accordance with Schedule E(vi) of this licence.
- 5.16 The HDS shall be operated such that viable microorganisms specified in Schedule E(vi) are not present in the processed waste.
- 5.17 The HDS shall be operated such that there is a 6 log reduction of *Enterococcus faecalis* and a 4 log reduction of *Bacillus subtilis* spores in challenge tests.
- 5.18 All testing of waste samples and indicator organisms shall be carried out by the testing laboratory listed in Attachment D.2 of the Waste Licence application, or with the prior written agreement of the Agency, at an alternative accredited laboratory.
- 5.19 Should any of the samples taken for the purposes of Condition 5.15 indicate test failure:
  - (a) the batch of processed waste being held shall be further processed and retested;
  - (b) all methods of sampling and testing specified in Schedule E(vi) shall be carried out daily for the next four consecutive working days;
  - (c) should this additional sampling and testing show the continued presence of the relevant microorganisms, the acceptance and processing of health care risk waste shall cease until written notice from the Agency agreeing to the resumption is received;
  - (d) a written report shall be submitted to the Agency within five working days of the availability of the test results referred to in (b) above.
- 5.20 The licensee shall, not later than six months from the date of grant of licence submit to the Agency a report on the effectiveness of the heat processing on inactivation (log reduction) of pathogenic organisms (e.g. fungi, parasites and blood borne viruses or their surrogates), at the facility.
- 5.21 The licensee shall, not later than six months from the date of grant of licence submit to the Agency for agreement a procedure for dealing with the handling and reprocessing of waste in the event of test failures.
- 5.22 The licensee shall, not later than six months from the date of grant of licence, submit to the Agency for agreement a sampling and testing regime for the examination of shredded processed waste in relation to particle size. The relevant section dealing with shredding standards in the Joint Waste Management Board's document shall be referred to by the licensee when drafting this proposal.
- 5.23 The licensee shall, not later than six months from the date of grant of licence submit to the Agency for agreement a decommissioning plan, including a time schedule for the decommissioning of the plant. (See also Condition 11.2.1)

*.Reason: To provide for the acceptance and management of wastes authorised under this waste licence*

## **Condition 6 ENVIRONMENTAL NUISANCES**

- 6.1 The measures and infrastructure as described in Attachment F of the waste licence application shall be put in place to control nuisances at the facility.
- 6.2 All loose litter accumulated within the facility and its environs, shall be removed and appropriately disposed of on a daily basis.
- 6.3 The licensee shall, at a minimum of one week intervals, inspect for nuisances caused by vermin and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.4 The licensee shall ensure that all vehicles delivering waste to the facility and receiving treated clinical waste shall be clean and shall not give rise to offensive odours by reason of inadequate cleaning.
- 6.5 The licensee shall ensure that the activities shall be carried out in a manner such that odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the facility boundary.

*Reason: To provide for the control of nuisances*

## Condition 7 WASTE DISPOSAL / RECOVERY OFF-SITE

- 7.1 Disposal or recovery of waste shall take place only as specified in *Schedule G: Waste for Disposal/Recovery* of this licence and in accordance with the appropriate National and European legislation and protocols. No other waste shall be disposed of/recovered either on-site or off-site without prior notice to, and prior written agreement of, the Agency.
- 7.2 Processed waste sent off-site for disposal shall only be conveyed to a waste contractor, as agreed by the Agency, and only transported from the site of the activity to the site of recovery/disposal in a manner which will not adversely affect the environment.
- 7.3 A consignment note as detailed in the waste licence application shall accompany each consignment of processed waste for disposal. This note shall include a signed certificate by a technically competent person from the testing laboratory that the waste has been processed (microbiologically tested) in accordance with this licence.

*Reason: To provide for the disposal/recovery of waste and the protection of the environment.*

## Condition 8 EMISSIONS AND ENVIRONMENTAL IMPACTS

8.1 Emission limit values for emissions to atmosphere in this licence shall be interpreted in the following way:-

8.1.1 For Non-Continuous Monitoring:

For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.

For all other parameters, no 30 minute mean value shall exceed the emission limit value.

For flow, no hourly or daily mean value shall exceed the relevant limit value.

8.2 The concentration limits for emissions to atmosphere specified in this licence shall be based on gas volumes under standard conditions of :-

8.2.1 In the case of non-combustion gases:

Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).

8.3 Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-

8.3.1 For Continuous monitoring:

No flow value shall exceed the specified limit.

8.3.2 For Non-Continuous Monitoring:

No pH value shall deviate from the specified range.

No temperature value shall exceed the limit value.

For parameters other than pH, temperature and flow, eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling, shall not exceed the emission limit value. No individual result similarly calculated shall exceed 1.2 times the emission limit value.

For parameters other than pH, temperature, and flow, no grab sample value shall exceed the concentration emission limit value.

8.4 Noise

8.4.1 Noise from the activity shall not give rise to sound pressure levels (Leq, 15 minutes) measured at the specified noise sensitive location (N5) which exceed the limit value(s) by more than 2 dB(A).

- 8.5 No specified emission from the facility shall exceed the emission limit values set out in *Schedule F: Emission Limits* subject to Conditions 8.1 to 8.4 (where applicable) of this licence. There shall be no other emissions of environmental significance.
- 8.6 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
- 8.7 Emissions to Atmosphere
- 8.7.1 A report on the results of the monitoring specified in Schedule E of this licence shall be submitted to the Agency on a biannual basis.
- 8.7.2 All equipment, including backup equipment, specified in *Schedule E(ii) Abatement/Treatment Control* of this licence shall be provided on-site. All treatment/abatement, control and monitoring equipment shall be calibrated and maintained when in use, in accordance with the information submitted in D2 of the waste licence application or as otherwise approved by the Agency under the Environmental Management Programme.
- 8.7.3 Boiler unit efficiency shall be tested within six months of the date of grant of this licence, and once every two years thereafter.
- 8.8 Emissions to Surface Water
- 8.8.1 Discharges to surface water shall only be made at the location shown in Drawing No. CUH-WL-061 of the waste licence application.
- 8.9 Emissions to Sewer
- 8.9.1 Discharges to sewer shall only be made at location K606-S1 shown in Drawing No. CUH-WL-061 of the waste licence application.
- 8.9.2 No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to maintenance personnel working in the sewerage system or as would be damaging to the fabric of the sewer or as would interfere with the biological functioning of a downstream wastewater treatment works.
- 8.9.3 No emission to sewer shall take place which gives rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance. In particular the emission shall not contain any liquid matter (including petroleum spirits or organic solvents) or thing which is or may be liable to set or congeal at average sewer temperature or is capable of giving off any flammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.
- 8.9.4 Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.
- 8.9.5 Effluent shall be screened prior to discharge to remove solids and avoid blockages in the sewer.
- 8.9.6 The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which the trade effluent is being discharged. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.

- 8.9.7 The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.
- 8.9.8 The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works or apparatus installed in connection with the trade effluent and to take samples of the trade effluent.
- 8.9.9 The licensee shall prepare a programme for the assessment of cooling water discharges to the sanitary authority's sewer. The licensee shall submit a programme, for agreement by the Agency within four months of the date of grant of this licence. The licensee shall submit a report on the findings of this Assessment to the Agency and to the Sanitary Authority within six months of the date of grant of this licence.
- 8.10 Noise Emissions
- 8.10.1 Activities on-site shall not give rise to noise levels off site, at the noise sensitive location, as specified in Schedule E(v) Noise which exceed the sound pressure limits specified in Schedule F(iii) Noise Emission Limits subject to Condition 8.4 of this licence:
- 8.10.2 There shall be no clearly audible tonal component or impulsive component in the noise emission from the activity at any noise sensitive location.
- 8.11 The licensee shall prepare a programme for the assessment of the microbiological emissions to air, sewer and surface water from the facility. The licensee shall submit a programme, for agreement by the Agency within six months of the date of grant of this licence. The licensee shall submit a report on the findings of this Assessment to the Agency within nine months of the date of grant of this licence.

*Reason: To control emissions from the facility and provide for the protection of the environment*

## **Condition 9 ENVIRONMENTAL MONITORING**

- 9.1 The licensee shall carry out such monitoring and at such frequencies as set out in *Schedule E: Monitoring* and as specified in the conditions of this licence.
- 9.2 The licensee shall carry out a noise survey of the site operations annually. The licensee shall consult with the Agency on the timing, nature and extent of the survey and shall develop a survey programme to the satisfaction of the Agency. The survey programme shall be submitted to the Agency in writing at least one month before the survey is to be carried out. A record of the survey results shall be available for inspection by any authorised persons of the Agency, at all reasonable times.
- 9.3 The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 9.4 Monitoring and analytical equipment shall be operated and maintained in accordance with the manufacturers instructions (if any) so that all monitoring results accurately reflect any emission or discharge or other environmental parameter.
- 9.5 The licensee shall amend the frequency, locations, methods and scope of monitoring, sampling, analyses and investigations only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested

in writing by the Agency. Such alterations shall be carried out within any timescale nominated by the Agency.

- 9.6 The licensee may apply in writing to the Agency to amend the frequency, locations, methods and scope of monitoring, sampling and analyses. Proposed amendments shall be carried out only in the event of the advance written agreement of the Agency.
- 9.7 Unless otherwise agreed in writing with the Agency, a written record shall be kept of the names, position, qualifications and a summary of relevant experience of all persons who carry out all sampling and monitoring and perform the interpretation of the results of such sampling and monitoring.
- 9.8 All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring arrangements have been agreed in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 9.9 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 9.10 The licensee shall maintain all sampling and monitoring points so that they may be used for the representative sampling and monitoring of emissions from the facility.
- 9.11 A copy of all monitoring results and interpretations shall be available at the facility for examination by any interested party.

*Reason: To ensure compliance with the requirements of other conditions of this licence by provision of a satisfactory system of measurement and monitoring of emissions*

## **Condition 10      CONTINGENCY ARRANGEMENTS**

- 10.1. The licensee shall ensure that an Emergency Response Procedure (ERP) is in place within two months from the date of grant of this licence. The ERP shall address any emergency situation which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment.
- 10.2. In the event of a complete breakdown of plant the measures outlined in Attachment K of the waste licence application shall be implemented. Such a breakdown will be treated as an emergency and rectified as soon as possible.
- 10.3. The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility.
- 10.4. All significant spillages, including all spillages of greater than 100 litres, other than water, occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 10.5. No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.



- 10.6. The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. The licensee shall submit the assessment and a report to the Agency on the findings and recommendations of the assessment within nine months from the date of grant of this licence.
- 10.7. In the event that a significant risk exists for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the agreement of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within three months from date of notification by the Agency.
- 10.8. In the event that any monitoring, sampling or observations indicate that an incident has, or may have, taken place, the licensee shall immediately:
- a) identify the date, time and place of the incident;
  - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission;
  - c) isolate the source of the emission;
  - d) evaluate the environmental pollution, if any, caused by the incident;
  - e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
  - f) identify and put in place measures to avoid recurrence of the incident; and,
  - g) identify and put in place any other appropriate remedial action.

*Reason: To provide for the protection of the environment.*

## **Condition 11 CHARGES AND FINANCIAL PROVISIONS**

### **11.1 Agency Charges**

11.1.1 The licensee shall pay to the Agency an annual contribution of £6,823 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 1999 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Consumer Price Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 1998, the licensee shall pay a pro rata amount from the date of this licence to December 31 1998. This amount shall be paid to the Agency within one month of the date of grant of this licence.

11.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased due to an incident occurring on or adjacent to the facility and associated with the facility, the licensee shall contribute such sums as determined by the Agency to defraying its costs.

## 11.2 Residuals Management

11.2.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall decommission, render safe or remove for disposal/recovery, any soil, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution. (See also Condition 5.23)

## 11.3 Sanitary Authority Charges

11.3.1 The licensee shall pay to the Sanitary Authority such sum as may be determined from time to time, having regard to the variations in the cost of providing drainage and the variation in effluent reception and treatment costs. Payment to be made quarterly on demand.

11.3.2 The licensee shall pay an annual charge of £500 to the Sanitary Authority towards the cost of monitoring the trade effluent. This amount will be revised from time to time. Payment to be made on demand.

*Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment and to provide for the requirements of the Sanitary Authority in accordance with Section 52 of the WMA Act, 1996.*

# Schedule A Waste Activities

Activities authorised by the licence shall be restricted to those described below.

## WASTE MANAGEMENT ACT,1996: THIRD SCHEDULE Note 1

**Class 7. Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule (including evaporation, drying and calcination):**

This activity is limited to the heat disinfection treatment of health care risk waste at the facility.

**Note 1: Any reference to a Class is to be taken as being a class in the Third Schedule of the Waste Management Act, 1996, unless otherwise stated.**



# Schedule B Content of the Annual Environmental Report

Annual Environmental Report Content
Reporting period.
Waste activity carried out at the facility.
Quantity and composition of waste received, treated at the facility and sent to landfill during the year.
Summary of results and interpretations of environmental monitoring.
Resource consumption summary.
Complaints summary.
Schedule of Environmental Objectives and Targets for the Forthcoming Year
Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report
Full title and a written summary of any procedures developed by the licensee in the year which relates to the operation of the facility.
Summary report on emissions.
Waste disposal summary
Environmental Management Programme - Proposal
Environmental Management Programme - Report
Mass Balance of Specified Substances - Proposal
Mass Balance of Specified Substances - Report.
Tank and bund testing and inspection report (every 3 years).
Reported incidents summary.
Report on financial provision made under this licence.
Report on management and staffing structure of the facility.
Report on programme for public information.

# Schedule C      Content of the Environmental Management Programme

## Environmental Management Programme

Management Structure

Site Description

Operational Matters

Timescale for achieving the objectives and targets listed in the Schedule of Objectives and Targets

Designation of Responsibility for Achieving Targets and Objectives

Emergency Procedures

Schedule of Drawings

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## Schedule D      Recording and Reporting to the Agency

Table D(i) Recurring Reports

Report	Reporting Frequency	Report Submission Date
<b>Microbiological testing of processed waste</b>	Monthly	Within ten (10) days of the end of the month being reported on.
<b>Monitoring of emissions to sewer</b>	Monthly	Within ten (10) days of the end of the month being reported on.
<b>Monitoring of air emissions</b>	Biannually	Ten days after end of the 6 month period being reported on.
<b>Monitoring of surface water quality</b>	Biannually	Ten days after end of the 6 month period being reported on.
<b>Noise Monitoring</b>	Annually	One month after end of the year being reported on.
<b>Record of Incidents</b>	As they occur	Within three days of the incident
<b>Cessation/Reactivation of an activity in accordance with Condition 3.9</b>	As they occur	Fourteen days in advance of cessation/re-activation
<b>Annual Environment Report (AER)</b>	Annually	Eighteen months from the date of grant of licence and two months after the end of each year thereafter.
<b>Mass Balance of Specified Substances</b>	Annually	To be agreed in writing with the Agency
<b>Environmental Management System Updates</b>	Annually	One month after the end of the year reported on.
<b>Boiler Test Efficiency</b>	Every two years	Within six months of the date of grant of this licence and one month after the end of the two year period reported on.
<b>Bund integrity assessment</b>	Every three years	Within six months from the date of grant of licence and one month after end of the three year being reported on.

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Table D(ii) Once-off Reports

Report	Report Submission Date
<b>Management and manning levels</b>	Within three months of the date of grant of licence.
<b>Communications Programme</b>	Within three months of the date of grant of licence.
<b>Inactivation of fungi, parasites and blood borne viruses report</b>	Within six months of the date of grant of licence
<b>Waste Handling and Reprocessing in the case of test failure proposal</b>	Within six months of the date of grant of licence
<b>Decommissioning Proposal Report</b>	Within six months of the date of grant of licence
<b>Assessment of cooling water discharges to sewer - Proposal</b>	Within four months of the date of grant of this licence
<b>Assessment of cooling water discharges to sewer - Report</b>	Within six months of the date of grant of this licence
<b>Size dimensions of shredded processed waste proposal</b>	Within six months of the date of grant of this licence
<b>Microbiological testing of emissions to air, surface water and sewer proposal</b>	Within six months of the date of grant of this licence
<b>Microbiological testing of emissions to air, surface water and sewer report</b>	Within nine months of the date of grant of this licence
<b>Environmental Management Programme proposal</b>	Within nine months of the date of grant of licence.
<b>Risk assessment, Firefighting and Fire-Water Retention study</b>	Within nine months of the date of grant of licence
<b>Schedule of Environmental Objectives and Targets</b>	Within twelve months of the date of grant of this licence.

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## Schedule E Monitoring

### (i) Monitoring of Emissions to Atmosphere

Emission Point Reference No. K 606-F  
 Name of Emission Point: Air Filtration Duct

Parameter	Monitoring Frequency	Analysis Method/ Technique (Note 1)
Total Amines	Biannually	NIOSH Method 2010
TA Luft Organics Class II	Biannually	Adsorption / Desorption, GCMS
TA Luft Organics Class III	Biannually	Adsorption / Desorption, GCMS

Note 1: or equivalent method acceptable to Agency

### (ii) Abatement/Treatment Control

Abatement Equipment: Air Filtration Unit

Monitoring:

Monitoring to be carried out	Monitoring	Monitoring Equipment
Set point pressure levels Filter Integrity Filter Integrity	Daily check on pressure Daily "sniff test" Visual Weekly Check	Magnahelic gauges Not applicable Not applicable

Equipment:

Equipment	Equipment Maintenance	Equipment backup
Air Filters - 3 Stage	See Note 1	Spares held on site

Note 1: Preventative maintenance as per manufacturers instructions

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### (iii) Monitoring of Emissions to Surface Water

The frequency of sampling and analysis is listed in the following table:

**Emission Point Reference Number:** S-E1

**Grid Reference:** 164863E 70278N

Parameter	Monitoring Frequency	Analysis Method/Technique
BOD	Biannual	Standard Method <sup>Note 1</sup>
COD	Biannual	Standard Method <sup>Note 1</sup>
Oils , Fats & Grease	Biannual	Standard Method <sup>Note 1</sup>
Visual Inspection	Daily	Not Applicable

Note 1: "Standards Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 19th Ed. 1995, American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA.

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### (iv) Monitoring of Emissions to Sewer

**Emission Point Reference No.:** K606- S1

Parameter	Monitoring Frequency	Analysis Method/Technique <sup>Note 1</sup>
Flow	Daily	Note 2
Temperature	Monthly	Temperature probe with recorder
pH	Monthly (24 hour composite)	pH electrode/meter and recorder
Ammoniacal nitrogen	Monthly (24 hour composite)	Standard Method <sup>Note 3</sup>
Chemical Oxygen Demand	Monthly (24 hour composite)	Standard Method <sup>Note 3</sup>
Biochemical Oxygen Demand	Monthly (24 hour composite)	Standard Method <sup>Note 3</sup>
Suspended Solids	Monthly (24 hour composite)	Gravimetric
Oils, fats & greases	Monthly (24 hour composite)	Standard Method <sup>Note 3</sup>

Note 1:- Or an equivalent method acceptable to the Agency.

Note 2:- Daily effluent volumes shall be calculated based on throughput at the facility.

Note 3: "Standards Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 19th Ed. 1995, American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA.

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### (v) Noise Monitoring

### Noise Monitoring Location

Parameter	Description	Grid Reference (as per waste licence application )	Monitoring Frequency
N5	Nearest Residence	164855E 70348 N	Annually
Other (Note 1)			

Note 1: Any other NSL which the Agency deems appropriate

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### (vi) Monitoring of Process Control / Processed Waste

Parameter	Frequency	Analysis Method /Technique <sup>(Note 1)</sup>
Residence Time	Daily	To be agreed with the Agency
Temperature	Daily	Temperature indicator strips (Note 2)
Processed Waste (size particle dimensions)	Daily	<ul style="list-style-type: none"> <li>Visual Inspection to ensure shredder functionality</li> <li>Also see Notes 3 and 4</li> </ul>
Processed Waste Indicator Organisms	Daily	Test for Salmonella and Shigella (Note 2)
Indicator Organisms	Daily	Challenge Test against <i>Enterococcus faecalis</i> (Note 2,5)
Indicator Organisms	Montly	Challenge Test against <i>Bacillus subtilis</i> (Note 4,5)

Note 1: Any deviations from the testing protocol outlined below shall be with prior written approval of the Agency

Note 2: Technique as outlined in Appendix 1 of the Article 16 information received by the Agency on 27/8/98

Note 3: Examination of processed waste size dimensions in accordance with Condition 5.25.

Note 4: Test method to be agreed in writing with the Agency.

Note 5: Positive and negative contols to be included with all samples taken for Challenge Tests.

## Schedule F Emission Limits

### (i) Emissions to Atmosphere

Emission Point Reference No. K 606-F  
Name of Emission Point: Air Filtration Duct  
Grid Reference No. 164855E 70305 N  
Maximum Volume to be emitted: 800m<sup>3</sup>/hr

Parameter	Emission Limit Value <sup>(Note 1)</sup>
Total Amines	10 mg / m <sup>3</sup> (at mass flows > 0.1kg/hr)
TA Luft Organics Class II	100 mg/m <sup>3</sup> (at mass flows > 2kg/hr)
TA Luft Organics Class III	150 mg/m <sup>3</sup> (at mass flows > 3kg/hr)

Note 1: Where organic substances of both classes are emitted simultaneously, in addition to the above individual limits, the sum of the concentrations of Classes II and III shall not exceed the Class III limits.

**(ii) Emissions to Sewer**

Emission Point Reference No. K606-S1  
 Grid Reference 164868 E 70296N  
 Volume to be emitted: Maximum in any one day: 6.0m<sup>3</sup>  
 (combined cooling water and effluent composite)  
 Maximum rate per hour: 0.2 m<sup>3</sup>/hr  
 (effluent composite only)

Parameter	Emission Limit Value		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
<b>BOD</b>	6,000	4,000	4
<b>COD</b>	12,000	10,000	10
<b>Suspended solids</b>	100	75	
<b>Fats, Oils, Grease</b>	150 <sup>(Note 1)</sup>	150 <sup>(Note 1)</sup>	
<b>Ammonia</b>	250	200	0.20
<b>Temperature</b>	40 <sup>o</sup> C Max		
<b>pH</b>	6 - 10		

(Note 1): Not hard fat.

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**(iii) Noise Emissions**

**Noise Emission Limits**

Day dB(A) L <sub>Aeq</sub> (15 minutes)	Night dB(A) L <sub>Aeq</sub> (15 minutes)
55	45

## Schedule G Wastes for Disposal/Recovery

Waste Materials	On-Site Reuse <sup>Note 1</sup>	Method of Disposal/Recovery <sup>Note 2</sup>
<b>Processed Waste Residue</b>	None	Agreed waste disposal contractor.
<b>Spent Filters</b>	None	Agreed hazardous waste recovery contractor.
<b>Utilities Waste Oils</b>	None	Agreed hazardous waste recovery contractor.
<b>Other</b> <sup>Note 3</sup>		

Note 1: The licensee may treat, reuse, recycle or recover waste subject to the prior written agreement of the Agency.

Note 2: Any variation from those contractors named in the Waste Licence application, or subsequent agreements, must have the prior written agreement of the Agency. In cases where a previously agreed waste contractor is considered by the Agency not to exercise due care in respect of the transport and disposal of the licensee's waste, the Agency may at any time instruct a licensee to stop using this contractor.

Note 3: No other waste shall be disposed of/recovered off-site or on site without prior notice to, and prior written agreement of the Agency

Given on behalf of the **Agency** on the day of **November 1998** .

**Signed on behalf of the said Agency**  
on the day of November , 1998.

\_\_\_\_\_  
**P. Nolan**                      **Authorised Person**