



**ENVIRONMENT  
AGENCY**

## **Permit with introductory note**

Pollution Prevention and Control (England & Wales) Regulations 2000

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CSG Bristol Treatment Plant

Cleansing Service Group Limited  
Pennywell Road  
Easton  
Bristol  
BS5 0TQ

Permit number

AP3336SD

# CSG Bristol Treatment Plant

## Permit Number AP3336SD

### Introductory note

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

The main features of the installation are as follows.

Cleansing Service Group Limited operates a treatment plant for the storage and treatment of hazardous and non-hazardous liquid waste prior to disposal and/or recovery. These activities are listed under Schedule 1 of the PPC Regulations Section 5.3. Part A (1)(b) – the disposal of waste oils (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day and Section 5.3 Part A (1)(c)(ii) – disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment.

The site has been operated under a Waste Management Licence since 1995. Oil and water separation is carried out by gravity separation in tanks. No heat is currently applied in this process and no boiler is currently on site. The resulting aqueous fraction is added to the aqueous waste intake. The oils are sent out as recovered fuel oil. The aqueous wastes are treated according to their physical and chemical characteristics with processes which include pH adjustment, precipitation, settlement and phase separation. The treated liquor is then discharged to sewer.

The site, covering 0.24ha, is located on Pennywell Road 2km east of Bristol City Centre and 1 km south of junction 3 of the M32 motorway. The area surrounding the site consists of mixed industrial and office uses. The River Frome runs adjacent to the western boundary of the site but there is no drainage from any area of the site to the River Frome.

There are no point source emissions to air, however there are fugitive emissions from tank and tanker vents. There are minimal emissions to sewer from the site but no discharges to controlled waters or the land.

There are no habitats sites or SSSIs within 2km of the installation.

Status Log of the permit		
Detail	Date	Response Date
Application AP3336SD	Duly made 13/02/07	
Schedule 4 Issued	18/07/07	01/08/07
Additional Information Received		20/08/07
Additional Information Received	10/09/07	10/09/07
Permit determined	23/10/07	

Other PPC permits relating to this installation		
Operator	Permit Number	Date of Issue
None		

**Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation**

<b>Holder</b>	<b>Reference Number</b>	<b>Date of Issue</b>	<b>Fully or Partially Superseded</b>
Cleansing Service Group Limited	Waste Management Licence EAWML27076	15/08/95	Partially superseded

The waste management licence shall cease to have effect if and to the extent that treatment, keeping or disposal of waste authorised by the licence is authorised by this permit.

**Other existing Licences/Authorisations/Registrations relating to this site**

<b>Holder</b>	<b>Reference Number</b>	<b>Date of issue</b>
Cleansing Service Group Limited	Waste Management Licence EAWML27076	15/08/95

End of Introductory Note

## Permit

Pollution Prevention and Control  
(England and Wales) Regulations 2000

## Permit

Permit number

**AP3336SD**

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

**Cleansing Service Group Limited** ("the operator"),

whose registered office is

**Grange Road**

**Botley**

**Southampton**

**Hampshire**

**SO30 2GD**

company registration number 530446

to operate an installation at

**Pennywell Road**

**Easton**

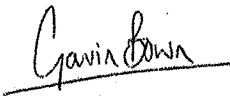
**Bristol**

**BS5 0TQ**

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

Signed

Date

	23 <sup>rd</sup> October 2007
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G Bown

Authorised to sign on behalf of the Agency

# Conditions

## 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 identified 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").

2.1.2 Where there are wastes on site that are not subject to this permit then the wastes subject to the activities authorised under condition 2.1.1, shall be clearly identified.

## **2.2 The site**

2.2.1 The activities shall not extend beyond the site, being the land shown edged in red 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.

2.3.3 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 3 tables S3.2 and S3.3 ; and

- (b) it conforms to the description in the documentation supplied by the producer and holder; and
- (c) it is only processed in the activities specified in Table S1.1 of Schedule 1.

2.3.4 Records shall be kept of all waste accepted onto the site.

2.3.5 The Operator shall ensure that where waste produced at the Permitted Installation is sent to a waste recovery or disposal facility, the facility in question is provided with the following information, prior to receipt of the waste:

- The nature of the process producing the waste
- The composition of the waste
- The handling requirements of the waste
- The hazard classification associated with the waste
- The waste code of the waste

2.3.6 The Operator shall ensure that where waste produced at the Permitted Installation is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

## **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.
- 3.1.3 Where a substance is specified in schedule 4 table S4.2 or S4.3 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration.

### **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, including those specified in schedule 1 table S1.5, 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, including those specified in schedule 1 table S1.6, 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 monitoring for the parameters, at the locations and at not less than the frequencies 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;
- 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 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.

## **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.
- 4.1.3 All records required to be held by this permit shall be held on-site and shall be available for inspection by the Agency at any reasonable time.

## **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 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.
- 4.2.4 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.
- 4.2.5 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency.
- 4.2.6 The results of reviews and any changes made to the site protection and monitoring programme shall be reported to the Agency, within 1 month 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 7 days of any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence.
- 4.3.7 The Agency shall be provided, within 14 days of the operator or any relevant person being convicted of a relevant offence, (unless such information has already been notified to the Agency), with details of the nature of the offence, the place and date of conviction, and the sentence imposed.
- 4.3.8 The Agency shall be notified within 14 days of the operator and/or any relevant person lodging an appeal against a conviction for any relevant offence and of the outcome when the appeal is decided.
- 4.3.9 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**

<b>Activity listed in Schedule 1 of the PPC Regulations</b>	<b>Description of specified activity and WFD Annex IIA and IIB operations</b>	<b>Limits of specified activity and waste types</b>
Section 5.3 Part A(1)(b): The disposal of waste oils (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day.	Storage, blending and dewatering of waste oil; despatch for further treatment, including recovery activities R3 and R13 and storage of waste arising from the treatment process.	<p>From receipt of waste as specified in Schedule 3 tables S3.2 &amp; S3.4 to dispatch of waste oil for recovery, including storage of wastes (&lt;50t at any one time) arising from treatment in a RORO container in Area B.</p> <p>Maximum throughput 18000 tonnes per year for treatment and storage.</p> <p>Maximum storage time of 6 months from date of receipt for any waste.</p> <p>Waste must only be stored in the Areas identified in Schedule 2</p>
Section 5.3 Part A(1)(c)(ii): the disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment	D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any operations numbered D1 to D12, including the storage of waste arising from the treatment process.	<p>From receipt of waste as specified in Schedule 3 table S3.3 to the discharge point to sewer, including storage of wastes (&lt;50t at any one time) arising from treatment in a RORO container in Area A.</p> <p>Maximum throughput 36000 tonnes per year for treatment.</p> <p>Maximum storage time of 6 months from date of receipt for any waste.</p> <p>Waste must only be stored in the Areas identified in Schedule 2</p>

<b>Directly Associated Activity</b>		
Storage of Hazardous Wastes as substitute raw materials	Storage of waste (D15 & R13) suitable for raw material substitute for use in the oil/water separation and aqueous treatment process	Waste types: 06 01 01*, 06 01 02*, 06 02 04*, 08 03 16*, 11 01 05*, 16 03 03*, 16 05 07*, 19 02 11*, 20 01 14*, 20 01 15* only.
	Storage of waste (D15) suitable for raw material substitute for use in the aqueous treatment process	Waste type: 16 09 04*,
Empty hazardous waste container washing	R3/R4 – washing of containers containing hazardous residues prior to reuse or recycling off site	To be carried out in area in front of reception pit
Empty non- hazardous waste container washing	R3/R4 – washing of containers containing non-hazardous residues prior to reuse or recycling off site	To be carried out in area in front of reception pit
Empty container storage	R13– storage of containers prior to reuse or recycling	To be stored in area D
Container Crushing	R3/R4 – crushing of containers containing non-hazardous residues prior to metal recycling off site	Crushing of washed, uncontaminated containers <10 tonnes per day in location to be advised
Final Effluent Storage	Storage of treated effluent prior to discharge to sewer <75 tonnes.	To be stored in Tank 6. Maximum throughput 36000 tonnes per year

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Excluding responses to B1.1.1, B2.1.1, B2.1.11 and B2.1.21	13/02/2007
Response to Schedule 4 Notice dated 16/05/05	Updating Drawing CSG/BRI/A3/01; Table D1 Appendix B and Table D1 Appendix D; responses to questions 1-4 and 6-10; revised sections B1.1.1, B1.4.1, B1.4.2, B2.1.1, B2.1.21	20/08/2007

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	<p>The Operator shall ensure that a review of the design, method of construction and integrity of all bunds surrounding above ground tanks be carried out by a qualified structural engineer. This shall compare existing bunds and adjoining pipework against the standards set out in Section 2.2.5 of the Sector Guidance Note S5.06, CIRIA Report 163 on the Construction of Bunds for Oil Storage Tanks with a tank capacity of &lt; 25 m³ (ISBN: 0 86017 468 9), and CIRIA Report 164 on Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of &gt; 25 m³ (ISBN: 0 86017 476X).</p> <p>The review shall include:</p> <ul style="list-style-type: none"> <li>• the physical condition of the bunds,</li> <li>• their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure,</li> <li>• any work required to ensure compliance with the standards set out in CIRIA Reports 163 and 164 for reinforced concrete or masonry bunds, and</li> <li>• suggested preventative maintenance &amp; inspection regime.</li> </ul> <p>A written report of the review shall be submitted to the Environment Agency detailing the review's findings and recommendations.</p> <p>Remedial action shall be taken to ensure all bunds meet the standards set out in the above documents and implement the maintenance and inspection regime.</p>	01/02/08          01/08/08
IC2	<p>The Operator shall ensure that a review of the integrity of the reception pit, dig out pit, all storage tanks and site surfacing against the requirements of Sections 2.1.3 and 2.2.5 of Sector Guidance Note IPPC S5.06, dated December 2004 be carried out by a qualified structural engineer. The review shall identify any measures necessary to meet those requirements and propose a time scale for implementing them. A written report of the review shall be submitted to the Agency detailing the review's findings and recommendations.</p> <p>Remedial action shall be taken to ensure all tanks and surfacing meet the standards set out in the above documents and implement the maintenance and inspection regime.</p>	01/02/08          01/08/08
IC3	<p>The operator shall carry out an assessment of the measures that are in place to reduce the risk of a pollution incident caused by firewater.</p> <p>The review shall include:</p> <ul style="list-style-type: none"> <li>• consideration of the principles set out in PPG 18 – Managing Fire-water and major spillages.</li> <li>• Identification of any improvements necessary in order to minimise the risk of a pollution incident caused by firewater</li> </ul> <p>A written report summarising the assessment and any necessary improvements shall be submitted to the Agency. The report shall include timescales for the Operator to implement the improvements.</p>	01/05/08
IC4	<p>The Operator shall consider the subsurface structures including the installation drainage system present at the site in relation to their potential to cause fugitive emissions to surface and ground water. The assessment will take into account the requirements of Section 2.2.5 of Sector Guidance Note IPPC S5.06, dated December 2004. A written report</p>	01/11/08

summarising the findings shall be submitted to the Agency. A time-scale for implementation of any improvements shall be submitted to the Agency in writing.

The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the report.

IC5	The Operator shall provide and maintain monitoring of effluent flow to sewer to the MCERTS standard, unless otherwise agreed in writing with the Agency.	01/11/08
	A copy of the first MCERTS site conformity inspection certificate shall be submitted to the Agency	
IC6	The Operator shall undertake a waste minimisation audit in accordance with Section 2.4.2 of Sector Guidance Note IPPC S5.06, dated December 2004. The audit shall be submitted to the Agency in writing with a timetable of improvements to be undertaken.	01/11/08
IC7	The Operator shall undertake an energy use audit in accordance with Section 2.7.2 of Sector Guidance Note IPPC S5.06, dated December 2004. The audit shall be submitted to the Agency in writing with a timetable of improvements to be undertaken.	01/11/08
IC8	The Operator shall undertake a water use audit in accordance with Section 2.4.3 of Sector Guidance Note IPPC S5.06, dated December 2004. The audit shall be submitted to the Agency in writing with a timetable of improvements to be undertaken.	01/11/08
IC9	The Operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.1.3 of Sector Guidance Note IPPC S5.06, December 2004 which should cover but need not be restricted to: <ul style="list-style-type: none"> <li>• Installation of updated level indication equipment on tanks</li> <li>• Colour coding of manholes</li> <li>• Clear tank and pipework labelling</li> </ul>	01/11/08

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

Reference	Operation	Pre-operational measures
1	Drum crusher	The Operator shall install the infrastructure required to control emissions to air and water from drum crushing, shredding or cutting processes that accord with Section 2.1.13 of Sector Guidance Note S5.06, December 2004 and shall submit a report to the Agency demonstrating that this has been done.

**Table S1.5 Appropriate measures for fugitive emissions**

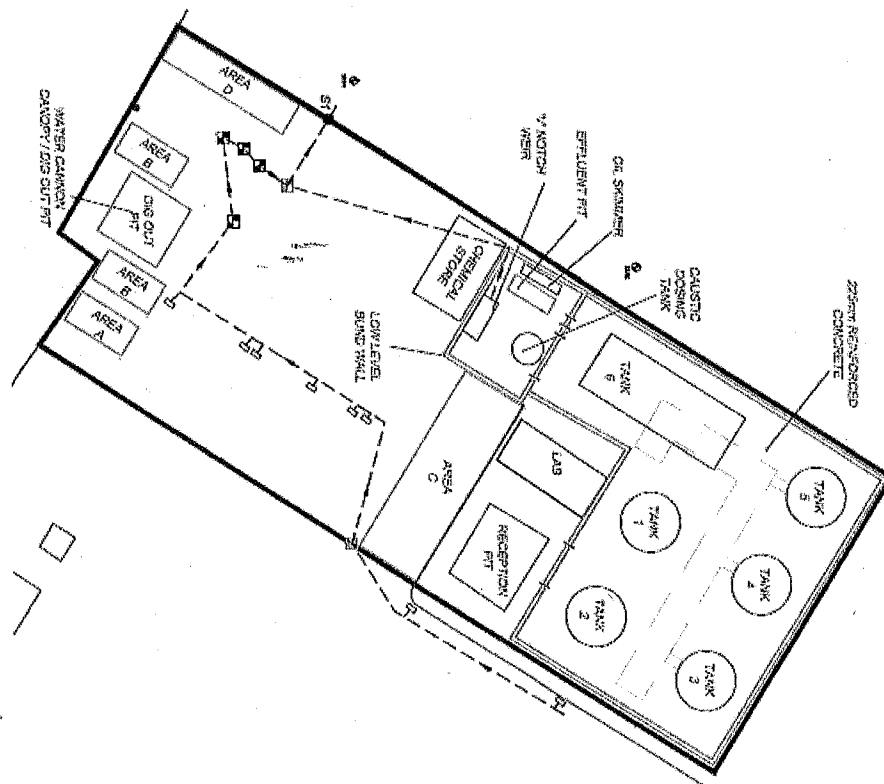
Measure	Dates
A fugitive emission management plan shall be submitted to the Agency, detailing the measures to be used to control fugitive emissions, and shall be in accordance with section 2.2.4 of Sector Guidance Note IPPC S5.06, December 2004.	The plan shall be submitted by 01/11/08
The plan shall be implemented by the operator within 3 months from the date of approval in writing by the Agency	



**Table S1.6 Appropriate measures for odour**

<b>Measure</b>	<b>Dates</b>
An odour management plan shall be submitted to the Agency, detailing the measures to be used to control emissions of odour and shall be accordance with Appendix 7 (template for an odour management plan) of Horizontal Guidance Note H4 (Horizontal Guidance for Odour (Part 1 ).	The plan shall be submitted by 01/11/08
The plan shall be implemented by the operator from the date of approval in writing by the Agency	

## 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
Wastes to be used as substitute for raw materials	As specified in Table S1.1

**Table S3.2 Permitted waste types and quantities for storage and treatment of waste oils.**

Maximum quantity	Maximum storage capacity 630m <sup>3</sup> for all wastes in tables 3.2 and 3.4 Maximum treatment capacity 700 tonnes per day for all wastes in tables 3.2 and 3.4
Waste code	Description
01 05 05*	oil-containing drilling muds and wastes
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 12*	oil containing acids
08 03 19*	disperse oil
10 02 11*	wastes from cooling-water treatment containing oil
10 03 27*	wastes from cooling-water treatment containing oil
10 04 09*	wastes from cooling-water treatment containing oil
10 05 08*	wastes from cooling-water treatment containing oil
10 06 09*	wastes from cooling-water treatment containing oil
10 07 07*	wastes from cooling-water treatment containing oil
10 08 19*	wastes from cooling-water treatment containing oil
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	synthetic machining oils
12 01 19*	readily biodegradable machining oil
13 01 05*	non-chlorinated emulsions
13 01 10*	mineral-based non-chlorinated hydraulic oils
13 01 11*	synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation

**Table S3.2 Permitted waste types and quantities for storage and treatment of waste oils.**

<b>Maximum quantity</b>	Maximum storage capacity 630m <sup>3</sup> for all wastes in tables 3.2 and 3.4 Maximum treatment capacity 700 tonnes per day for all wastes in tables 3.2 and 3.4
<b>Waste code</b>	<b>Description</b>
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
13 08 99*	wastes not otherwise specified restricted to: oil/fuel and water that is not in an oil/water separator, oil/fuel spillages that do not occur at a petrochemical facility, mixed oil/water from carriers rounds where the hazards remain the same
16 07 08*	wastes containing oil
19 02 07*	oil and concentrates from separation
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
20 01 26*	oil and fat other than those mentioned in 20 01 25

**Table S3.3 Permitted waste types and quantities for treatment of non-hazardous aqueous wastes**

<b>Maximum quantity</b>	Maximum storage capacity 610m <sup>3</sup> Maximum treatment capacity 700 tonnes per day
<b>Waste code</b>	<b>Description</b>
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05 04	freshwater drilling muds and wastes
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
04 02 17	dye-stuffs and pigments other than those mentioned in 04 02 16
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 06 04	waste from cooling columns
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 02 03	aqueous suspensions containing ceramic materials
08 03 08	aqueous liquid waste containing ink
08 03 13	waste ink other than those mentioned in 08 03 12
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11

Table S3.3 Permitted waste types and quantities for treatment of non-hazardous aqueous wastes	
<b>Maximum quantity</b>	Maximum storage capacity 610m <sup>3</sup> Maximum treatment capacity 700 tonnes per day
<b>Waste code</b>	<b>Description</b>
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 14	degreasing wastes other than those mentioned in 11 01 13
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
19 02 03	premixed wastes composed only of non-hazardous wastes
19 04 04	aqueous liquid wastes from vitrified waste tempering
19 07 03	landfill leachate other than those mentioned in 19 07 02
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 09 99	wastes not otherwise specified, restricted to waste arising from backwashing filters at Urban Waste Water Treatment Works
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20 01 25	edible oil and fat

**Table S3.4 Permitted waste types and quantities for oil/water separation only: hazardous wastes where oil is present and which possess hazard properties: H14 Ecotoxic, H5 harmful and H7 Carcinogenic.**

<b>Maximum quantity</b>	Maximum storage capacity 630m <sup>3</sup> for all wastes in tables 3.2 and 3.4 Maximum treatment capacity 700 tonnes per day for all wastes in tables 3.2 and 3.4
<b>Waste code</b>	<b>Description</b>
05 01 03*	Tank bottom sludges
05 01 09*	Sludges from on-site effluent treatment containing dangerous substances
05 01 11*	Wastes from cleaning of fuels with bases
08 01 15*	Aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 19*	Aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
11 01 11*	Aqueous rinsing liquids containing dangerous substances
11 01 13*	Degreasing wastes containing dangerous substances
12 03 01*	Aqueous washing liquids
12 03 02*	Steam degreasing wastes
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
16 03 03*	Inorganic wastes containing dangerous substances
16 05 07*	Discarded inorganic chemicals consisting of or containing dangerous substances
16 07 09*	Wastes containing other dangerous substances
16 10 01*	Aqueous liquid wastes containing dangerous substances
19 01 06*	Aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 02 04*	Premixed wastes composed of at least one hazardous waste
19 02 05*	Sludges from physico-chemical treatment containing dangerous substances
19 02 11*	Other wastes containing dangerous substances
19 08 13*	Sludges containing dangerous substances from other treatment of industrial waste water
19 11 03*	Aqueous liquid wastes
19 11 04*	Wastes from cleaning of fuels with bases
19 11 05*	Sludges from on-site effluent treatment containing dangerous substances
19 13 03*	Sludges from soil remediation containing dangerous substances
19 13 05*	Sludges from groundwater remediation containing dangerous substances
19 13 07*	Aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances

## Schedule 4 – Emissions and monitoring

**Table S4.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Vents from tanks 1 to 6	--	Tanks 1 to 5 and effluent storage tank 6	--	--	--	--

**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
Discharge Point S1 on drawing CSG/BRI/A1/02, to Avonmouth Sewage Works via Wessex Water sewer	Flow	Effluent from the treatment process and site drainage	--	Reported as daily average over 1 month	Continuous	To be agreed with the Agency on completion of IC5

## 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
Emissions to sewer	S1	Every 6 months	01/01/08
Parameters as required by condition 3.6.1			

**Table S5.2: Annual production/treatment**

Parameter	Units
Quantity of waste oil produced for RFO manufacture	tonnes
Quantity of waste water discharged to sewer	tonnes
Quantity of residual waste sludge sent for further treatment	tonnes

**Table S5.3 Performance parameters**

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh

**Table S5.4 Reporting forms**

Media/parameter	Reporting format	Date of form
Sewer	Form sewer 1 or other form as agreed in writing by the Agency	01/09/07
Water usage	Form water usage1 or other form as agreed in writing by the Agency	01/09/07
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	01/09/07
Other performance indicators	Form performance 1 or other form as agreed in writing by the Agency	01/09/07



## 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	
Name of operator	
Location of Installation	
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.	

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

\* authorised to sign on behalf of Cleansing Service Group Limited

## Schedule 7 - Interpretation

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

"*accident management plan*" means a documented procedure (or procedures) that set out the measures necessary to prevent accidents occurring within the permitted installation, during both normal and abnormal operations, and limit the consequences to human health or the environment of any such accidents that do occur.

"*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.

"*disposal*" shall mean any of the operations provided for in Annex IIA to Directive 75/442/EEC.

"*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.

"*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.

"*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.

"*notify 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.

"*recovery*" shall mean any of the operations provided for in Annex IIB to Directive 75/442/EEC.

*"relevant person"* and *"relevant conviction"* shall have the meanings given to them in the Environmental Protection Act 1990

*"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.

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

*"WFD"* means Waste Framework Directive (75/442/EEC).

*"year"* means calendar year ending 31 December.

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

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- (b) in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

END OF PERMIT