



**ENVIRONMENT  
AGENCY**

## Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

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Avonmouth Licensed Treatment  
Centre

Wessex Water Services Limited  
Bristol Waste Water Treatment  
Works  
Kings Weston Lane  
Avonmouth  
Bristol  
BS11 0YS

Permit number

PP3634MG

# Avonmouth Licensed Treatment Centre Permit Number PP3634MG

## Introductory note

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

The main features of the installation are as follows:

Wessex Water Services Limited operate 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)(a) – the disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day 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 can be sub-divided into 3 zones: Zone 1 is the tanker discharge pad area (bays 1-6), Zone 2 is the process area containing 2 balancing tanks, grit channel, screens and grease separator and Zone 3 is the area not covered by Zones 1 & 2, where no discharging or process operations occur.

The main purpose of the Avonmouth Licensed Treatment Centre (ALTC) is to remove grit and other solids and grease from a range of domestic and commercial wastes to within acceptable tolerance levels of the adjacent Waste Water Treatment Works, which is not within the installation boundary. All wastes received at the ALTC are sampled and analysed by an on-site laboratory before being accepted for treatment. Normal operation is for road tankers to discharge their waste via discharge bays 1 to 5 into the main discharge channel. From the main discharge channel, the aqueous waste will flow by means of gravity into the grit separator where solids are removed by means of gravity settling. The solid material that settles out in the grit chamber is removed periodically by means of a jetter, cleaned and sent off site in skips for landfill disposal. From the grit chamber the aqueous waste stream is transferred to a screening section where the waste stream passes through one of two sets of screens (Longwood Screen and Muncher) which operate in parallel. The Longwood screen has a macerator that returns the macerated screenings to the main flow of waste material. Screenings removed by the Muncher are retained in a skip and are sent off site for landfill disposal. From the screening section, the aqueous waste stream passes to a grease separator (air flotation unit) so that any grease can be removed. The grease that is removed from the grease separator is transferred to an off-site anaerobic digester for treatment. Once the waste stream has been processed in the grease separator, it flows to the adjacent WWTW where it undergoes primary and secondary wastewater treatment prior to discharge.

The site is located within Avonmouth Waste Water Treatment Works (WWTW) which is sited on the northern boundary of Severnside Industrial Estate approximately 2km north east of Avonmouth in Bristol. The surrounding area comprises an industrial zone with heavy chemical industry located to the south and north. The M49 and M5 motorways are to the south east.

The treatment process at the ALTC is purely one of physical separation and there are no point source emissions and no direct emissions to air. There are some fugitive losses due to the evaporation of moisture from the waste stream as it passes through the grit and grease separators. There are no emissions to controlled water from the installation. The waste that is treated at the installation is transferred by pump to the adjacent Waste Water Treatment Works for additional treatment before being discharged to the Severn Estuary. This is controlled by a Discharge Agreement.

The closest surface water features to the ALTC is the Mere Bank Rhine, located approximately 20m to the south.

The site provides a fully contained drainage system. Surface water from the tanker discharge pad area drains to the main waste transfer channel and is discharged to the adjacent WWTW along with the treated waste. Surface water from road tanker discharge bay 6 is collected in a separate channel and is transferred to balancing/holding tank 1.

The Operator has an environmental management system.

<b>Status Log of the permit</b>		
<b>Detail</b>	<b>Date</b>	<b>Response Date</b>
Application PP3634MG	Duly made 06/12/06	
Additional Information	Requested 18/06/07	10/07/07
	Requested 09/08/07	03/09/07, 24/09/07
	Requested 11/09/07	13/09/07
	Requested 13/09/07	17/09/07
	Requested 25/09/07	27/09/07
Permit determined	30/10/07	

<b>Other PPC permits relating to this installation</b>		
<b>Operator</b>	<b>Permit Number</b>	<b>Date of Issue</b>
-	-	-

<b>Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation</b>			
<b>Holder</b>	<b>Reference Number</b>	<b>Date of Issue</b>	<b>Fully or Partially Superseded</b>
Wessex Water Services Limited	Waste Management Licence EAWML 27215	14/05/92	Fully 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.

End of Introductory Note

**Permit**

Pollution Prevention and Control  
(England and Wales) Regulations 2000

**Permit**

Permit number

**PP3634MG**

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

**Wessex Water Services Limited** (the Operator"),

whose registered office is

**Wessex Water Operations Centre**

**Claverton Down Road**

**Claverton Down**

**Bath**

**BA2 7WW**

company registration number **2366648**

to operate an installation at

**Avonmouth Licensed Treatment Centre**

**Bristol Waste Water Treatment Works**

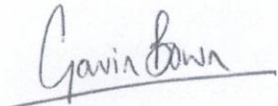
**Kings Weston Lane**

**Avonmouth**

**Bristol**

**BS11 0YS**

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

	30 <sup>th</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, S3.3 and S3.4; 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**

There are no pre-operational conditions in this permit.

## **2.7 Closure and decommissioning**

2.7.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.

2.7.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site to a satisfactory state.

2.7.3 The operator shall carry out and record a review of the site closure plan at least every 4 years.

2.7.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

## **2.8 Site protection and monitoring programme**

2.8.1 The operator shall, within 2 months of the issue of this permit, submit a site protection and monitoring programme.

2.8.2 The operator shall implement and maintain the site protection and monitoring programme and shall carry out and record a review of it at least every 4 years.

## **3 Emissions and monitoring**

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

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 4 tables S4.1, S4.2 and S4.3.

3.1.2 The limits given in schedule 4 shall not be exceeded.

### **3.2 Transfers off-site**

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

### **3.3 Fugitive emissions of substances**

3.3.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including those specified in schedule 1 table S1.4, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.3.2 Litter or mud arising from the activities shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been used to prevent or where that is not practicable to minimise, the litter and mud.

3.3.3 Litter or mud arising from the activities shall be cleared from affected areas outside the site as soon as practicable

3.3.4 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 S1.5, 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;



- (b) ambient air monitoring specified in table S4.4
- 3.6.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 4 tables S4.1, S4.2, S4.3 and S4.4 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 the 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**

Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
Section 5.3 Part A(1)(a): The disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day.	D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any operations numbered D1 to D12, in the grit chamber, screens and grease separator.	From receipt of hazardous waste as specified in Schedule 3 table S3.2 prior to dispatch of waste for disposal or further treatment at adjacent Waste Water Treatment Works. Maximum treatment capacity for the grit chamber, screens and grease separator: 100 tonnes per day in each for both hazardous and non-hazardous waste. Maximum throughput 10,271 tonnes per year for treatment.
	D15 Storage of hazardous waste in Holding Tanks 1 and 2 pending disposal	Waste type: 08 01 15* From receipt of waste prior to dispatch of waste for disposal or further treatment at adjacent Waste Water Treatment Works. Maximum storage capacity for each holding tank: 100m <sup>3</sup> for both hazardous and non-hazardous waste. Maximum storage time of 7 days from date of receipt for any waste.
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, in the grit chamber, screens and grease separator.	From receipt of waste as specified in Schedule 3 table S3.3 prior to despatch of waste for disposal or for further treatment at adjacent Waste Water Treatment Works. Maximum treatment capacity for the grit chamber, screens and grease separator: 100 tonnes per day in each for both hazardous and non-hazardous waste. Maximum throughput 173,372 tonnes per year for treatment.
	D15 Storage of non-hazardous waste in Holding Tanks 1 and 2 pending disposal	From receipt of waste as specified in Schedule 3 table S3.4 prior to despatch of waste for disposal or for further treatment at adjacent Waste Water Treatment Works. Maximum storage capacity for each holding tank: 100m <sup>3</sup> for both hazardous and non-hazardous waste. Maximum storage time of 7 days from date of receipt for any waste.
<b>Directly Associated Activity</b>		
Non-hazardous solid waste storage	Storage of non-hazardous waste (screenings and grit) resulting from the physico-chemical treatment process prior to disposal at landfill	To be stored in an appropriate container suitable for their purpose to prevent spillage and contamination
	Storage of non-hazardous waste (grease) resulting from the physico-chemical treatment process prior to anaerobic digestion off-site	To be stored in an appropriate container suitable for their purpose to prevent spillage and contamination

**Table S1.2 Operating techniques**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to section 2.1 and 2.2 in the Application, excluding: <ul style="list-style-type: none"><li>• 2.1.1, 2.1.11, 2.1.21, 2.1.12</li><li>• Tables 2.4.1 and 2.4.2 of IPPC Application Report V1 dated 2 October 2006</li></ul>	06/12/06
Response to request for further information dated 18/06/07	All, excluding Appendix B – Full Waste List including EWC codes	10/07/07
Response to request for further information dated 09/08/07	All, excluding "List of Wastes.doc" and "HT Wastes.xls" All - Revised drainage plan and revised site plan	03/09/07 24/09/07
Response to request for further information dated 11/09/07	All	13/09/07
Response to request for further information dated 13/09/07	All	17/09/07
Response to request for further information dated 25/09/07	All	27/09/07

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
IC1	The Operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.3 of Sector Guidance Note S5.06, December 2004, to ensure all staff employed on site are trained appropriately.	By 01/02/08
IC2	The Operator shall consider the subsurface structures present at the site including the subterranean drainage system and cess pit 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 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.	By 01/05/08
IC3	The Operator shall assess the risk of flooding to operational areas of the site and provide and implement a flood risk action plan with procedures to mitigate the impacts of polluting substances entering controlled waters.  The flood risk action plan shall be submitted to the Agency in writing for approval.	By 01/11/08
IC4	The Operator shall review the storage of waste and the site surfacing at the facility, including but not restricted to the area around the tanker discharge pad area, in accordance with Section 2.1.3 of Sector Guidance Note IPPC5.06, dated December 2004. Once the review has been conducted the Operator shall submit their findings to the Agency in writing and a timetable of remediation works if required.	By 01/11/08
IC5	A written assessment considering the risk of fugitive emissions from the installation and the need to undertake ambient air monitoring shall be provided to the Agency. The report shall include, but need not be restricted to: <ul style="list-style-type: none"> <li>• necessary preventative measures for fugitive emissions;</li> <li>• a recommendation about undertaking ambient air monitoring, including monitoring in the vicinity of the Holding Tanks 1 &amp; 2, grit chamber, screens and grease separator;</li> <li>• a scale drawing showing any proposed monitoring locations;</li> <li>• proposed sampling frequencies;</li> <li>• proposed trigger levels for the parameters monitored;</li> <li>• an action plan that identifies actions to be taken should trigger levels be exceeded if monitoring is proposed.</li> </ul>	By 01/11/08
IC6	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.	By 01/11/08
IC7	The Operator shall provide and maintain monitoring of effluent flow to sewer to the MCERTS standard unless otherwise agreed in writing with the Agency.  A copy of the first MCERTS site conformity inspection certificate shall be submitted to the Agency.	By 01/11/08
IC8	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.	By 01/11/08

**Table S1.4 Appropriate measures for fugitive emissions**

<b>Measure</b>	<b>Dates</b>
A fugitive emission management plan shall be submitted to the Agency, detailing the measures to be used to control fugitive emissions from Holding Tanks 1 & 2, Grit Chamber, Screens and Grease separator and shall be in accordance with section 2.2.4 of Sector Guidance Note IPPC S5.06, December 2004.	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 S1.5 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)).	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.	





## Schedule 3 - Waste types, raw materials and fuels

**Table S3.1 Raw materials and fuels**

Raw materials and fuel description	Specification
-	-

**Table S3.2 Permitted waste types and quantities for treatment of hazardous waste in the grit chamber, screens and grease separator**

Maximum quantity	Maximum treatment capacity: 100 tonnes per day in each for both hazardous and non-hazardous waste.
Waste code	Description
07 01 01*	aqueous washing liquids and mother liquors
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
11 01 06*	acids not otherwise specified
12 01 09*	machining emulsions and solutions free of halogens
12 01 14*	machining sludges containing dangerous substances
13 05 01*	solids from grit chambers and oil/water separators
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
16 07 09*	wastes containing other dangerous substances
16 10 01*	aqueous liquid wastes containing dangerous substances
16 10 03*	aqueous concentrates containing dangerous substances
19 07 02*	landfill leachate containing dangerous substances
19 08 08*	membrane system waste containing heavy metals

**Table S3.3 Permitted waste types and quantities for treatment of non-hazardous waste in the grit chamber, screens and grease separator**

Waste codes	Maximum treatment capacity: 100 tonnes per day in each for both hazardous and non-hazardous waste
EWC Code	Description
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
02 01 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off site
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment

**Table S3.3 Permitted waste types and quantities for treatment of non-hazardous waste in the grit chamber, screens and grease separator**

Waste codes	Maximum treatment capacity: 100 tonnes per day for both hazardous and non-hazardous waste
EWC Code	Description
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 06 01	materials unsuitable for consumption or processing
02 06 03	sludges from on-site effluent treatment
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04 01 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16*
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11*
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11*
07 02 15	wastes from additives other than those mentioned in 07 02 14*
08 01 12	waste paint or varnish other than those mentioned in 08 01 11*
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19*
08 03 08	aqueous liquid waste containing ink
08 03 13	waste ink other than those mentioned in 08 03 12*
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09*
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 11 14	glass-polishing and –grinding sludge other than those mentioned in 10 11 13*
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
11 01 14	degreasing wastes other than those mentioned in 11 01 13*
12 01 15	machining sludges other than those mentioned in 12 01 14*
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20*
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 03 06	organic wastes other than those mentioned in 16 03 05*
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01*
16 10 04	aqueous concentrates other than those mentioned in 16 10 03*
17 05 06	dredging spoil other than those mentioned in 17 05 05*
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01*, 17 09 02* and 17 09 03*
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers) – to include only "dental casting waste water and inorganic solids <30%"
18 01 09	medicines other than those mentioned in 18 01 08*
19 08 14	Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13*

**Table S3.4 Permitted waste types and quantities for storage of non-hazardous waste in Holding Tanks 1 & 2 only**

<b>Waste codes</b>	Maximum storage capacity for each holding tank: 100m <sup>3</sup> for both hazardous and non-hazardous waste.
<b>EWC Code</b>	<b>Description</b>
02 05 01	materials unsuitable for consumption or processing
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04 01 05	tanning liquor free of chromium
08 03 08	aqueous liquid waste containing ink
08 03 13	waste ink other than those mentioned in 08 03 12*
11 01 14	degreasing wastes other than those mentioned in 11 01 13*
16 03 06	organic wastes other than those mentioned in 16 03 05*
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01*
16 10 04	aqueous concentrates other than those mentioned in 16 10 03*
18 01 09	medicines other than those mentioned in 18 01 08*
19 08 14	Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13*

## 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 Holding Tanks 1 & 2	No parameters set	Holding tanks 1 & 2	No limit set	--	--	Permanent sampling access not required

**Table S4.2 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
-	-	-	-	-	-	-

**Table S4.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 on site plan in schedule 2 emission to adjacent Waste Water Treatment Works	Flow	Treated waste from site	-	Reported as daily average over 1 month	Continuous	To be agreed with the Agency upon completion of Improvement Condition Ref IC7

**Table S4.4 Ambient air monitoring requirements**

Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Monitoring points to be agreed with the Agency by Improvement Condition Ref IC5.	To be agreed with the Agency upon completion of Improvement Condition Ref IC5	To be agreed with the Agency	To be agreed with the Agency	Trigger values to be approved by the Agency

## 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 Parameters as required by condition 3.6.1.	S1	Every 12 months	01/11/07
Ambient air monitoring Parameters as required by condition 3.6.1	To be agreed with the Agency as per Improvement Condition Ref IC5	Every 6 months	Upon completion of Improvement Condition Ref IC5

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

Parameter	Units
Quantity of waste sent for further treatment	tonnes

**Table S5.3 Performance parameters**

Parameter	Frequency of assessment	Units
Energy usage	Annually	MWs

**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
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 Wessex Water Services 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 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.

"*notify*" means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

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

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

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

"*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**

