



**ENVIRONMENT  
AGENCY**

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## **Permit with introductory note**

Pollution Prevention and Control (England & Wales) Regulations 2000

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Honiton Waste Oil Treatment Site

Bale Environmental Limited  
90 Durham Way  
Heathpark Industrial Estate  
Honiton  
Devon  
EX14 1SQ

Variation Notice Number  
ZP3531UW

Variation Notice Number  
ZP3638MB

Permit number  
BS0957IX

# Honiton Waste Oil Treatment Site Permit Variation Number ZP3531UW

## Introductory note

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

The following notice is issued under regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a permit issued under the Regulations to operate an installation. The notice comprises schedule 1 containing conditions to be deleted, schedule 2 conditions to be amended and schedule 3 conditions to be added.

The variation extends the area of the installation slightly. It also broadens the range of waste accepted.

The installation pre-treats aqueous oily waste. Water and solid matter are removed from the waste oil, which is then sent off-site for further treatment and recovery. Waste water is discharged into the sewer under a consent from the water company and solid matter is collected for disposal. This variation enables an oil emulsion cracking unit to be used on site.

It also allows treatment of sludges both from the base of the oil treatment tanks and other sludges to be dewatered on-site in a mobile treatment plant. This is housed on an articulated vehicle trailer. The plant comprises two tanks where the sludge will be stirred and a polymer added to aid dewatering. Free oil will be skimmed off and will pass back through the main on-site treatment process. The sludge will be fed into a centrifuge where the centrate produced again will pass back into the main on-site treatment plant. The sludge cake discharges into a container for recovery and /or disposal off site.

The variation enables a range of non-hazardous and inert wastes to be accepted for dewatering. Solids will be sent off site for further treatment and / or disposal whilst the liquid will pass through the on-site treatment process for disposal to sewer.

The variation is also for a waste transfer station which is for the bulking up of small quantities of hazardous wastes in a building. Containers holding bulked up wastes will be stored on a contained pad outside the building.

**Status Log of the permit**

Detail	Date	Comment
Application BS0957	Received 11 September 2003	
Response to request for information	Request dated 4 December 2003	Response dated 2 February 2004
Request to extend determination	Request dated 23 February 2004	Request accepted 26 February 2004
Response to request for information	Request dated 22 March 2004	Response dated 8 April 2004
Permit determined	Determined 23 April 2004	Permit issued
Variation Application ZP3638MB	Duly made 10 November 2006	
Response to request for information	Request dated 16 November 2006	Response dated 7 December 2006
Variation determined	23 February 2007	
Variation Application ZP3531UW	Duly made 22 August 2007	
Response to request for information	Request dated 4 October 2007	Response received 1 November 2007
Response to Regulation 28(2) Notice Requesting Information	Notice Dated 9 November 2007	Response dated 13 December 2007
Response to e-mail requesting clarification on the response to the Regulation 28(2) Notice Requesting Information	Request dated 25 January 2008	Response received 1 February 2008
Response to e-mail on procedures for cleaning mobile plant between hazardous and non hazardous wastes	Request dated 28 February 2008	Response received 29 February 2008
Variation determined	5 March 2008	

End of Introductory Note

**Permit**

Pollution Prevention and Control  
(England and Wales) Regulations 2000

## Permit

**Permit number**

**BS0957IX**

**Variation number**

**ZP3531UW**

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

**Bale Environmental Limited** ("the Operator"),

whose Registered Office (or principal place of business) is

**28 Alexandra Terrace**

**Exmouth**

**Devon**

**EX8 1BD**

**Company registration number: 4044565**

to operate an Installation at

**Honiton Waste Oil Treatment Site**

**90 Durham Way**

**Heathpark Industrial Estate**

**Honiton**

**Devon**

**EX14 1SQ**

to the extent set out in schedules 1 to 3 of this variation notice

The notice shall take effect from 5 March 2008

Signed

Date

	<i>5th March 2008</i>
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Chris James – Team Leader PPC Compliance

Authorised to sign on behalf of the Agency

**SCHEDULE 1 – CONDITIONS TO BE DELETED**

All conditions and schedules are deleted

**SCHEDULE 2 – CONDITIONS TO BE AMENDED**

None

**SCHEDULE 3 – CONDITIONS TO BE ADDED**

The following conditions and schedules are added to the permit

# **SCHEDULE 3 – CONDITIONS TO BE ADDED**

## **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 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, S3.4, S3.5; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder; and
  - (c) it is only processed in the activity 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 activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.
- 2.6.2 The operations specified in schedule 1 table S1.4B 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, review and resubmit the 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 and S4.2.

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

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

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

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

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

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

#### **3.4 Odour**

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

#### **3.5 Noise and vibration**

3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures, including those specified in Schedule 1 Table S1.5, 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 and S4.2;

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 and S4.2 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	Limits of specified activity
Section 5.3 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	Pre-treatment of aqueous oily wastes by gravity separation and settlement (D9) Use of heat to aid separation (D9) Use of chemicals to aid separation (D9) Storage of wastes to be put to the above processes (D15) Dewatering of oily sludges arising within the oil treatment tanks (D9) Storage of residual wastes arising from the above processes (D15)	Waste types only as described in Schedule 3 Table S3.2 of this permit Chemicals to be used to aid emulsion cracking and dewatering only as described in Schedule 3 Table S3.1 of this permit
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	Storage of hazardous waste pre and post treatment (D15) Dewatering of hazardous waste sludges (D9) Bulking up of compatible wastes (D13) prior to disposal or recovery off-site	Waste types only as described in Schedule 3 Tables S3.3 and S3.5 of this permit Chemicals to be used to aid dewatering only as described in Schedule 3 Table S3.1 of this permit Only compatible wastes shall be mixed together. All wastes shall be tested for compatibility before mixing Maximum storage time of 6 months from date of receipt of any waste
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	Physico-chemical treatment of waste waters (D9) Dewatering of non hazardous sludges (D9) Storage of non hazardous waste pre and post treatment (D15)	Waste types only as described in Schedule 3 Table S3.4 of this permit Chemicals to be used to aid dewatering only as described in Schedule 3 Table S3.1 of this permit Maximum storage time of 6 months from date of receipt for any waste contained in the drum storage area as detailed on drawing number BV1a
<b>Directly Associated Activity</b>		
Washing of absorbents	Washing of absorbents	As agreed in line with Table S1.4A
Washing of absorbents and filter storage containers	Washing of containers used for absorbents and filter storage	As agreed in line with Table S1.4A
Compaction of absorbents and oil filters	Compaction of absorbents and oil filters	As agreed in line with Table S1.4A
Storage of containers	Storage of full containers of oil filters and absorbents Storage of full containers of oil contaminated antifreeze Storage of empty containers of oil filters and absorbents Storage of empty containers of oil contaminated antifreeze Storage of empty waste containers	Drums and containers shall be stored in the "drum storage area" or "kerbed containment area" as detailed on drawing number BV1a. Maximum storage time of 6 months from date of receipt for any waste contained in the "drum storage area" as detailed on drawing number BV1a Drums and containers shall be stacked a maximum of 2 high
Storage of oiled solids	Storage of oiled solids e.g. screenings	Oiled solids shall be stored in a fully enclosed container prior to removal from site The fully enclosed container shall be stored

		in the "oiled solids bulk skip" area as detailed on drawing number BV1a
Treatment and storage of antifreeze	Removal of oil from antifreeze and storage of antifreeze pending removal from site	27 m <sup>3</sup>
Solid sludge cake storage	Storage of dewatered sludge cake in containers prior to recovery or disposal off-site	If containers hold any liquid they shall be banded or the area they are stored in shall be banded
Annual throughput shall not exceed 86,000 tonnes per year		

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in section B of the application, as amended by the responses to the Notices Requiring Further Information dated 4 December 2003 and 22 March 2004	Application: 11 September 2003 Response to Notices: 2 February 2004 & 8 April 2004
Variation Application	Variation Application information SLR Ref: 403.0527.00004 dated October 2006; PPC Variation additional questions ref 403-0527-00004/A11 dated October 2006	9 October 2006 30 October 2006
Additional information	PPC Variation Questions ref 403-0527-00004/Schedule 4 dated December 2006	11 December 2006
Emissions summary	Summary of emission points including Drawing labelled Emission Points Drwg No. BV6 dated December 2006	15 December 2006
Variation Application	Variation Application information SLR Ref: 403-0527-00006 dated August 2007, excluding Appendix B waste types & Drawings B2, B3 and B4	14 August 2007
Additional Information	SLR Ref: Question Response Environment Agency Reference: MR/BS0957IX/ZP3531UW dated October 2007	1 November 2007
Response to Regulation 28 Notice	Response to Notice Requiring Information - Reference: 403-0527-00006/Honlton/ Agency Response – Response to questions B2.1.1 – B2.1.3, B2.1.6, B2.1.10, B2.1.11, B2.1.13, B2.1.20 – B2.1.23, B2.2.1	14 December 2007
Response to Regulation 28 Notice	Response to Notice Requiring Information – Response to questions B2.1.7 – B2.1.9, B2.1.12, B2.1.14, B2.1.5, B2.1.7 – B2.1.19, B2.1.24	1 February 2008
Response to e-mail on procedures for cleaning mobile plant between hazardous and non hazardous wastes	Procedure to ensure hazardous and non hazardous wastes remain segregated at all times in the mobile centrifuge	29 February 2008

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
IC1	A written procedure shall be submitted to the Agency detailing the measures to be used so that monitoring equipment, personnel and organisations employed for the emissions monitoring programme shall have either MCERTS certification or MCERTS accreditation in accordance with condition 3.6.3. The procedure shall be implemented by the operator from the date of approval in writing by the Agency	01/09/2008
IC2a	The operator shall review the need for a wash unit for the containers holding materials being tipped into the oiled solids wash unit. The review and associated action plan shall be submitted for Agency approval.	Within 3 months of the date of commissioning of the oiled solids washing unit.
IC2b	The action plan approved in IC2a shall be carried out.	To the timescales detailed in the agreed action plan
IC3	The Operator shall provide and maintain monitoring of effluent flow to sewer to the MCERTS standard. A copy of the first MCERTS site conformity inspection certificate shall be submitted to the Agency.	01/11/2008
IC4	The Operator shall produce and implement written procedures (and any amendments to them) that accord with Section 1.5 of Sector Guidance Note IPPC S5.06, dated December 2004 to ensure that the production of waste is avoided. The procedures shall be submitted to the Agency for approval.	05/06/2008
IC5	The Operator shall produce and implement written procedures (and any amendments to them) that accord with Section 1.5 of Sector Guidance Note IPPC S5.06, dated December 2004 to ensure that where wastes are produced they are recovered unless it is technically and economically impossible to do so. The procedures shall be submitted to the Agency for approval.	05/06/2008

**Table S1.4A Pre-operational measures**

Reference	Pre-operational measures
1	The operator shall submit detailed design and specifications for approval by the Agency for the oiled solids washing unit and associated equipment prior to installation. The submission must include emissions information, including air, sewer and noise and an assessment of their impact on the environment in line with Agency Horizontal Guidance Notes. Only on approval by the Agency shall installation of this plant take place.
2	The operator shall provide written responses to questions B2.1.7 – B2.1.9, B2.1.12 – B2.1.17, B2.1.19 and B2.1.24 of the Regulation 28 Notice issued on 9 November 2007 for materials entering the hazardous waste transfer area prior to any wastes entering this area. The written procedures shall comply with sections 2.1.1, 2.1.2, 2.1.3, and 2.1.4 of the Sector Guidance Note IPPC S5.06, dated December 2004 and shall be submitted to the Agency for approval. Only on written approval by the Agency shall wastes be taken into the waste / bulking area of the site. The Operator shall implement the procedures on site.

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

Reference	Operation	Pre-operational measures
1	Use of tanks for storage of waste either for initial use or following movement of the tank(s) around the site.	The operator shall submit a report demonstrating that all bulk liquid storage tanks, pipelines and secondary containment have been leak-tested at least 4 weeks before the start of operations.

**Table S1.5 Appropriate measures for noise**

<b>Measure</b>	<b>Dates</b>
A noise management plan shall be submitted to the Agency, detailing the measures to be used to control emissions of noise and shall be in accordance with Appendix 4 (noise management plan) of Horizontal Guidance Note H3 (Horizontal Noise Guidance) Part 2). The plan shall be implemented by the operator from the date of approval in writing by the Agency.	05/09/2008



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

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

Raw materials and fuel description
Sludge dewatering agent
Water clarification aid
Dilute Sulphuric Acid
Gas Oil
Caustic Soda

**Table S3.2 Permitted waste types and quantities for storage and treatment of waste oil that contain oil and possesses any of the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic**

Maximum quantity	Maximum storage capacity 1331.5 m <sup>3</sup> for all wastes in Table S3.2
Waste code	Description
01 05 05*	Oil-containing drilling muds and wastes
05 01 03*	tank bottom sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 08*	machining emulsions and solutions containing halogens
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 19*	readily biodegradable machining oil
13 01 04*	chlorinated emulsions
13 01 05*	non-chlorinated emulsions
13 01 09*	mineral-based chlorinated hydraulic oils
13 01 10*	mineral based non-chlorinated hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated 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 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01
13 03 07*	mineral-based non-chlorinated 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
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

**Table S3.2 Permitted waste types and quantities for storage and treatment of waste oil that contain oil and possesses any of the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic**

<b>Maximum quantity</b>	<b>Maximum storage capacity 1331.5 m<sup>3</sup> for all wastes in Table S3.2</b>
<b>Waste code</b>	<b>Description</b>
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
15 01 10*	packaging containing residues of or contaminated by dangerous substances
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
15 02 03	absorbents, filter materials, wiping cloths and protective clothing not containing dangerous substances
16 01 07*	oil filters
16 01 13*	Brake fluids
16 01 14*	Antifreeze fluids containing dangerous substances
16 01 15	Antifreeze fluids other than those mentioned in 16 01 14
16 07 08*	wastes containing oil
19 07 02*	Landfill leachate containing dangerous substances
19 07 03	Landfill leachate other than those mentioned in 19 07 02
19 08 10*	Grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
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
19 13 08	Aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20 01 26*	oil and fat other than those mentioned in 20 01 25

<b>Table S3.3 Permitted waste types and quantities for the mobile waste sludge dewatering plant</b>	
<b>Maximum quantity</b>	Maximum storage capacity 60 m3 sludge to be stored in 2 x 30 m3 storage tanks for all wastes in Table S3.3
<b>Waste code</b>	<b>Description</b>
01 04 07*	wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
04 02 19*	sludges from on-site effluent treatment containing dangerous substances
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 03 14*	ink sludges containing dangerous substances
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other
09 01 13*	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 0106
11 01 09*	sludges and filter cakes containing dangerous substances
11 01 11*	aqueous rinsing liquids containing dangerous substances
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
12 01 14*	machining sludges containing dangerous substances
12 03 01*	aqueous washing liquids
13 05 02*	sludges from oil /water separators
14 06 04*	sludges or solid wastes containing halogenated solvents
14 06 05*	sludges or solid wastes containing other solvents
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 01 06*	liquid wastes from gas treatment and other aqueous liquid wastes
19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
19 11 05*	sludges from on-site effluent treatment containing dangerous substances
19 11 07*	wastes from flue-gas cleaning
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 05*	sludges from groundwater remediation containing dangerous substances

**Table S3.4 Permitted waste types and quantities for the non hazardous dewatering plant and the mobile waste sludge dewatering plant**

<b>Waste codes</b>	Wastes to be subjected to treatment as soon as accepted onto site i.e. there is no on site storage for wastes in Table S3.4
<b>EWC Code</b>	<b>Descriptions</b>
01 04 09	waste sand and clays
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
02 01 01	sludges from washing and cleaning
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 05	sludges from on-site effluent treatment
02 04 03	sludges from on-site effluent treatment
02 06 03	sludges from on-site effluent treatment
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 05	sludges from on-site effluent treatment
03 03 05	De-inking sludges from paper recycling
03 03 09	lime mud waste
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 02 02	aqueous sludges containing ceramic materials
08 02 03	aqueous suspensions containing ceramic materials
08 03 07	aqueous sludges containing ink
08 03 08	aqueous liquid waste containing ink
08 03 15	ink sludges other than those mentioned in 08 03 14
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
12 01 15	machining sludges other than those mentioned in 12 01 14
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
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 04 04	aqueous liquid wastes from vitrified waste tempering
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08 01	screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation

**Table S3.4 Permitted waste types and quantities for the non hazardous dewatering plant and the mobile waste sludge dewatering plant**

<b>Waste codes</b>	Wastes to be subjected to treatment as soon as accepted onto site i.e. there is no on site storage for wastes in Table S3.4
<b>EWC Code</b>	<b>Descriptions</b>
19 09 06	solutions and sludges from regeneration of ion exchangers
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
20 01 25	edible oil and fat
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning

**Table S3.5 Permitted waste types and quantities for hazardous waste transfer station**

<b>Waste codes</b>	Maximum storage capacity 100 tonnes for all wastes in Table S3.5
<b>EWC Code</b>	<b>Description</b>
02 01 08*	agrochemical waste containing dangerous substances
03 02 01*	non-halogenated organic wood preservatives
03 02 02*	organochlorinated wood preservatives
03 02 03*	organometallic wood preservatives
03 02 04*	inorganic wood preservatives
03 02 05*	other wood preservatives containing dangerous substances
04 02 14*	wastes from finishing containing organic solvents
04 02 16*	dyestuffs and pigments containing dangerous substances
04 02 19*	sludges from on-site effluent treatment containing dangerous substances
06 01 01*	sulphuric acid and sulphurous acid
06 01 02*	hydrochloric acid
06 01 04*	phosphoric and phosphorous acid
06 01 05*	nitric acid and nitrous acid
06 01 06*	other acids
06 02 01*	calcium hydroxide
06 02 03*	ammonium hydroxide
06 02 04*	sodium and potassium hydroxide
06 02 05*	other bases
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 21*	waste paint or varnish remover
08 03 12*	waste ink containing dangerous substances
08 03 14*	ink sludges containing dangerous substances
08 03 16*	waste etching solutions
08 03 17*	waste printing toner containing dangerous substances
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 17*	rosin oil
08 05 01*	waste isocyanates
09 01 01*	water-based developer and activator solutions
09 01 02*	water-based offset plate developer solutions
09 01 03*	solvent-based developer solutions
09 01 04*	fixer solutions
09 01 05*	bleach solutions and bleach fixer solutions
09 01 13*	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
11 01 05*	pickling acids
11 01 06*	acids not otherwise specified

<b>Table S3.5 Permitted waste types and quantities for hazardous waste transfer station</b>	
<b>Waste codes</b>	Maximum storage capacity 100 tonnes for all wastes in Table S3.5
<b>EWC Code</b>	<b>Description</b>
11 01 07*	pickling bases
11 01 08*	phosphatising sludges
11 01 09*	sludges and filter cakes containing dangerous substances
11 01 11*	aqueous rinsing liquids containing dangerous substances
11 01 13*	degreasing wastes containing dangerous substances
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
11 01 16*	saturated or spent ion exchange resins
12 01 14*	machining sludges containing dangerous substances
12 03 01*	aqueous washing liquids
12 03 02*	steam degreasing wastes
13 07 02*	petrol
14 06 01*	chlorofluorocarbons, HCFC, HFC
14 06 02*	other halogenated solvents and solvent mixtures
14 06 03*	other solvents and solvent mixtures
14 06 04*	sludges or solid wastes containing halogenated solvents
14 06 05*	sludges or solid wastes containing other solvents
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
16 01 07*	oil filters
16 01 11*	brake pads containing asbestos
16 03 03*	inorganic wastes containing dangerous substances
16 03 05*	organic wastes containing dangerous substances
16 05 06*	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 06*	separately collected electrolyte from batteries and accumulators
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
17 05 03*	soil and stones containing dangerous substances
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
18 01 06*	chemicals consisting of or containing dangerous substances
18 02 05*	chemicals consisting of or containing dangerous substances
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 08 06*	saturated or spent ion exchange resins
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 11 01*	spent filter clays
19 11 02*	acid tars
19 11 04*	wastes from cleaning of fuel with bases
20 01 13*	solvents

<b>Table S3.5 Permitted waste types and quantities for hazardous waste transfer station</b>	
<b>Waste codes</b>	Maximum storage capacity 100 tonnes for all wastes in Table S3.5
<b>EWC Code</b>	<b>Description</b>
20 01 14*	acids
20 01 15*	alkalines
20 01 17*	photochemicals
20 01 19*	pesticides
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 27*	paint, inks, adhesives and resins containing dangerous substances
20 01 29*	detergents containing dangerous substances
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries

## Schedule 4 – Emissions and monitoring

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

<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (Including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A1 - A4 on Emission Points plan Drawing No. B3a	No parameters set	Tank vents	No limit set			Permanent sampling access not required

**Table S4.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements**

<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 on Emission Points plan Drawing No. B3a	Effluent flow	Site effluent	No limit set	Report as daily average over one month	Continuous	MCERTS, on completion of IC 3

## 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 12 months	01/01/2008
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
Quantity of residual waste sludge cake sent for further treatment	tonnes
Quantity of residual waste sludge cake sent for disposal	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	05/03/2008
Water usage	Form water usage1 or other form as agreed in writing by the Agency	05/03/2008
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	05/03/2008
Waste Return	Waste Return Form RATS2E	09/06/2006

## 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	

<b>(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</b>	
<b>To be notified within 24 hours of detection</b>	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

<b>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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 Bale Environmental Ltd

## 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/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 NOTICE

