

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2007

Hollywell Waste Oil Treatment
Facility.

Eco-Oil Limited
Hollywell Site
Cliff Quay
Ipswich
Suffolk
IP3 0BE.

Variation notice number
EPR/EP3095EK/V002

Permit number
EPR/EP3095EK

Hollywell Waste Oil Treatment Facility

Permit Number EPR/EP3095EK

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations S.I.2007 No. 3538 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

Changes Introduced by this variation notice:-

Eco-Oil applied for a variation to their existing waste management licence - EAWML100093 in order to expand operations from the current treatment of non Waste Oil Directive (WOD) oils sourced from marine slops, to include the receipt, storage and treatment of Waste Oil Directive (WOD) oils.

The existing waste management licence changed to an Environment Permit on the 6th April 2008 in accordance with The Environmental Permitting (England and Wales) Regulations 2007. Treatment of WOD oil is covered by activities listed within chapter 1 of Schedule 1 of the Environmental Permitting Regulations, and therefore this variation will change the status of the facility from that of a standard facility to a bespoke installation. The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Consignments of waste oil from various commercial, marine and industrial customers will be treated to a standard that allows the oil to be either transported off-site for use as a fuel or within a variety of processes (e.g. reductant in steel making) or used by the Operator for blending with other substances in order to create new products for resale.

The site will operate two recovery operations, both involving heat, filtration, chemical dosing, separation and blending.

From initial receipt of oil into storage tanks, both treatment processes commence by quality assessment the waste for recovery prior to passing the oil through a filter in order to remove solids.

For the production of Recovered Fuel Oil (RFO), the oil is transported to one of a number of processing tanks, whereby dewatering of oil by gravity, heat and the addition of demulsifier / de-ashing chemical (where required) occurs. This process meets the description of **Section 5.3 A (1) (b)** in Part 2 to Schedule 1 of the Environmental Permitting Regulations – ‘The disposal of waste oils (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day’. This process results in creation of both oil water phases and an oil phase.

Heat for the process is provided by two gas-oil fired boilers providing heat to the processing tanks (90°C) by internal steam coils.

The oil phase is pumped to a centrifuge in order to remove fine solids, and then transferred to the ‘Recycled Fuel Oil Storage Tank’ prior to being either transported off site (as product) or utilised on site in various downstream blending processes.

For the production of Processed Fuel Oil (PFO), the oil is transported to one of a number of processing tanks, whereby the oil is heated prior to being chemically treated with a de-dashing reagent. Solids are then removed from the treated oil which is then dried and flash-point adjusted by further heating, then re-tested and either pumped to a finished PFO tank or 'washed and polished' to remove residual contaminants prior to being pumped to a finished PFO tank.

Heat for the process is provided by two gas-oil fired boilers to the processing tanks by internal steam coils and by a thermal oil heating system.

The water phase will undergo further treatment by pH adjustment, and is then discharged via plate separator to sewer (consented discharge with Anglian Water) or tankered off site for further treatment.

The discharge consent allows a total volume of 100 m³/day thus meeting the capacity listed in **Section 5.3 A(1)(c)(ii)** in Part 2 to Schedule 1 of the Environmental Permitting Regulations - 'The disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment'.

It is anticipated that there will be no changes to emission levels to air, with the primary emissions being generated during tank filling (displaced air) and any vapours as a result of the heating process.

Schedule A of this notice lists any deleted conditions, Schedule B lists any amended conditions and Schedule C lists any conditions that have been added.

Status Log of the permit		
Detail	Date	Response Date
Waste Management License : EAWML100093 (Environmental Permit EPR/EP3095EK)	Issued 09/05/2008	
Application EPR/EP3095EK/V002	Duly Made 08/12/2008	
Request for additional information	Requested 27/03/2009	01/04/2009
Request for additional information	Requested 01/06/2009	01/06/2009
Request for additional information	Requested 24/07/2009	13/08/2009
Request for additional information	Requested 23/09/2009	29/09/2009
Request for additional information	Requested 23/09/2009	05/10/2009
Changes to application	Information Received 28/10/2009	
Changes to application	Information Received 08/01/2010	
Variation EPR/EP3095EK/V002 effective	25/01/2010	

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2007

Permit number

EPR/EP3095EK

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2007 (SI 2000 No 3538) varies the permit as set out below.

Eco-Oil Limited ("the operator"),

whose registered office is

**Camburgh House
27 New Dover Road
Canterbury
Kent
CT1 3DN**

company registration number **2714993**

holds a permit to operate a regulated facility at:-

**Eco-oil Limited
Hollywell Site
Cliff Quay
Cliff Road
Ipswich
Suffolk
IP3 0BE**

and that permit is varied to the extent set out in Schedules A to C to this notice.

The notice shall take effect from 25th January 2010.

Name	Date
	25/01/2010

Peter Kelly, National Permitting Team Leader

Authorised on behalf of the Agency

Schedule A – conditions to be deleted

1. All conditions are deleted by this variation notice.

Schedule B – conditions to be amended

2. No conditions are amended by this variation notice.

Schedule C – conditions to be added

3. The following conditions are added to the permit by this variation notice:

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, non-conformances and closure 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.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme or shall hold an appropriate certificate of technical competence or other approval issued by the Agency.

1.2 Accident management plan

- 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

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

2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

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

2.3 Operating techniques

2.3.1 (a) 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.

(b) If notified by the Agency that the activities are giving rise to pollution, the operator shall submit to the Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit, and shall implement the approved revised plan in place of the original from the date of approval, 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

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

(a) the nature of the process producing the waste;

(b) the composition of the waste;

(c) the handling requirements of the waste;

(d) the hazard classification associated with the waste; and

(e) the waste code of the waste.

2.5.3 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

- 2.4.1 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.
- 2.4.2 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.

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 Fugitive emissions of substances

- 3.2.1 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 any approved fugitive emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Agency that the activities are giving rise to pollution, submit to the Agency for approval within the period specified, a fugitive emissions management plan;
 - (b) implement the approved fugitive emissions management plan, from the date of approval, unless otherwise agreed in writing by the Agency.
- 3.2.3 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.

3.3 Odour

- 3.3.1 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 any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to annoyance outside the site due to odour, submit to the Agency for approval within the period specified, an odour management plan;
- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Agency.

3.4 Noise and vibration

3.4.1 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 any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

- (a) if notified by the Agency that the activities are giving rise to annoyance outside the site due to noise and vibration, submit to the Agency for approval within the period specified, a noise and vibration management plan;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake the monitoring specified in the following tables in schedule 4 to this permit:

- (a) point source emissions specified in tables S4.1, S4.2 and S4.3;

3.5.2 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.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 4 tables S4.1, S4.2 and S4.3 unless otherwise specified in that schedule.

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) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 All records, plans and the management system required to be maintained by this permit shall be held on the site.

4.2 Reporting

4.2.1 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency.

4.2.2 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 the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 5 table S5.2; and
- (c) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule.

4.2.3 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.

4.2.4 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 Within one month of the end of each quarter, the operator shall submit to the Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

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; or
- (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 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.

4.3.4 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:

Where the operator is a registered company:

- (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.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

- 4.3.6 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Agency shall be notified within one month of:
- (a) a decision by the Secretary of State and the Welsh Ministers not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State and the Welsh Ministers to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State and the Welsh Ministers to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “without delay”, in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
A1	Section 5.3 Part A(1)(b)	The recovery of waste oils by gravity and dewatering processes utilising heat and demulsifier, de-ashing and other process chemicals where required. (R3 and R13).	The physical and/or chemical treatment of oil contaminated wastes. Waste types as specified in Table S3.2.
A2	Section 5.3 Part A(1)(c)(ii)	The disposal of oily water (following oil / water separation and treatment by pH adjustment. (D9).	From the treatment of on-site process effluent by pH adjustment ^{Note 1} to the consented discharge to public sewer.
Directly Associated Activity			
A3	Steam / heat supply.	1 x 4000 and 1 x 6000 lb/hour gas-oil boilers. 1 x 40,000 btu/hr thermal oil heating unit.	Includes gas-oil receipt and storage, and supply of steam for process heating.
A4	Raw material / Recovered material storage.	Waste and recovered material storage areas.	Includes waste receipt and storage, and recovered materials storage.
Description of activities for waste operations		Limits of activities	
A5	R13: Storage of waste consisting of materials intended for submission, on this site to any of the category "R" operations authorised under this column, or elsewhere than on this site, to any of the operations listed in Part IV of Schedule 4 of the 1994 Regulations, (excluding temporary storage, pending collection, on the site where it is produced).	All fixed tanks (and their associated inlet and outlet pipes and valves) used for the storage of wastes must (as the primary or first line of containment) be constructed and maintained to a standard which is fit for purpose. All fixed tanks (and their associated inlet and outlet pipes and valves) used for the storage of hazardous wastes in a liquid form shall be located within a bund and on an impermeable pavement, which shall be isolated from the site drainage system ^{Note 2} . Waste types as specified in Table S3.3.	
A6	R3: Recycling or reclamation of organic substances which are not used as solvents, including composting and other biological transformation processes. D9: Physico-chemical treatment of waste not listed elsewhere in this table which results in final compounds or mixtures which are disposed of on this site by means of any of the category "D" operations authorised under this column, or elsewhere than on this site, by means of any of the operations listed in Part III of Schedule 4 of the 1994 Regulations.	All fixed tanks (and their associated inlet and outlet pipes and valves) used for the treatment of wastes must (as the primary or first line of containment) be constructed and maintained to a standard which is fit for purpose. All fixed tanks (and their associated inlet and outlet pipes and valves) used for the treatment of hazardous wastes in a liquid form shall be located within a bund and on an impermeable pavement, which shall be isolated from the site drainage system ^{Note 2} . Treatment of non-WOD oil for recovery shall consist only of heating, centrifuging, separating, de-mulsifying, de-ashing and blending. Waste types as specified in Table S3.3. Treatment of non-WOD residual sludge arising from the site treatment activities for disposal. Treatment shall consist of dewatering (no more than 50 tonnes per day). Waste types as specified in Table S3.3.	

Note 1

Treatment subject to change following completion of improvement condition IC7, Table S1.3.

Note 2

Subject to the completion of improvement conditions IC1 and IC2, Table S1.3.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Parts B2.1, B2.2, and B2.4.1 of "Environmental Permit Variation EPR/EP3095EK/V002". Parts 3.2.3.2, 5.2.1, 5.2.6 of "Application Site Report for Environmental Permit Application EPR/EP3095EK/V002" Appendix D and Appendix G of "Environmental Permit Variation EPR/EP3095EK/V002 Appendices A-M"	08/12/2008
Additional information	Further information on the containment of tanks 79 and 86. Clarification of Installation boundary area. Details and dates of tank testing.	01/04/2009
Additional information	Details concerning the gas oil burners.	01/06/2009
Additional information	Clarification of various EWC codes and testing of PCB waste streams under pre-acceptance measures by email dated 13/08/09.	13/08/2009
Additional information	Additional spill measures stated within email.	29/09/2009
Additional information	Amendments to application in order to meet revised quality protocol.	05/10/2009
Additional information	Amendments to application (additional emission point).	28/10/2009
Additional information	Amendments to the impact assessments to air to include the thermal oil heater (due to process revision).	08/01/2010

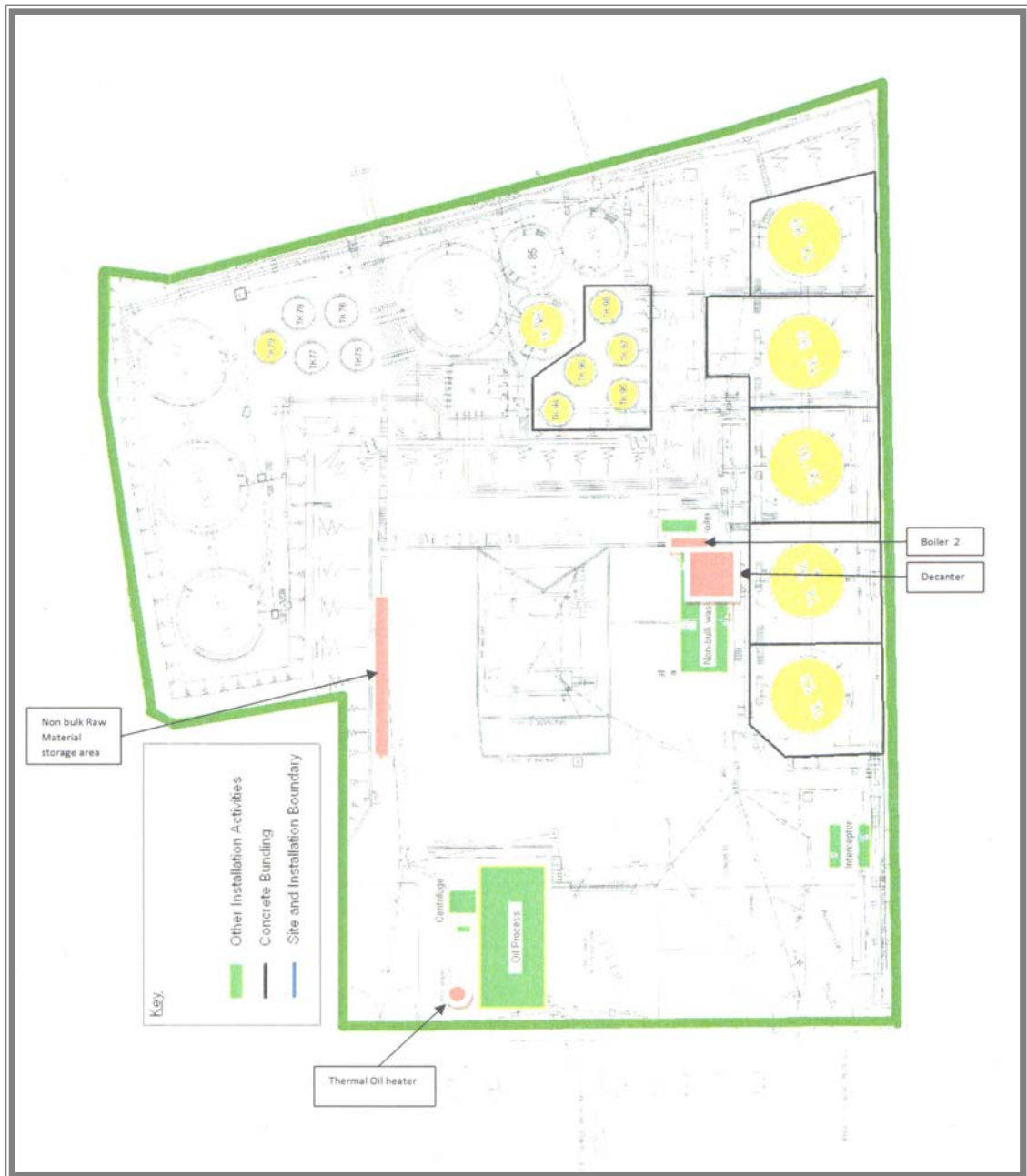
Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC 1	<p>The operator shall ensure that a review of the design, method of construction and integrity of all bunds surrounding above ground tanks 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 86, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97 and 98 be carried out by a qualified structural engineer. This shall compare existing bunds against the standards set out in Section 2.2.5 of the Sector Guidance Note S5.06, CIRIA Report 163 on the Construction of Bunds for Oil Storage Tanks with a tank capacity of < 25 m³ (ISBN: 0 86017 468 9), and CIRIA Report 164 on Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of > 25 m³ (ISBN: 0 86017 476X).</p> <p>The review shall include:</p> <ul style="list-style-type: none"> • the physical condition of the bunds, • their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure, • any work required to ensure compliance with the standards set out in CIRIA Reports 163 and 164 for reinforced concrete or masonry bunds, and • suggested preventative maintenance & inspection regime. <p>A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations.</p>	<p>29/04/2010 following which date 6th monthly progress update reports shall be submitted to the Agency.</p>
	<p>Remedial action shall be taken to ensure all bunds meet the standards set out in the above documents and implement the maintenance and inspection regime.</p>	25/01/2013
IC 2	<p>The Operator shall ensure that a review the integrity of storage tanks 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 86, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97 and 98 and site surfacing against the requirements of Sections 2.1.3 and 2.2.5 of the Sector Guidance Note S5.06 be carried out by a qualified structural engineer. The review shall identify any measures necessary to meet those requirements and propose a time scale for implementing them. A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations.</p>	29/04/2010
	<p>Remedial action shall be taken to ensure all tanks and surfacing meet the standards set out in the above documents and implement the maintenance and inspection regime.</p>	25/01/2013
IC 3	<p>The operator shall carry out an assessment of the measures that are in place to reduce the risk of a pollution incident caused by firewater. The review shall include:</p> <ul style="list-style-type: none"> • Consideration of the principles set out in PPG 18 – Managing Fire-water and major spillages. • Identification of any improvements necessary in order to minimise the risk of a pollution incident caused by firewater <p>A written report summarising the assessment and any necessary improvements shall be submitted to the Environment Agency for approval. The Agency approval shall include timescales for the Operator to implement the improvements.</p>	29/04/2010

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC 4	<p>The Operator shall carry out a monitoring exercise in order to validate emissions released to air from the data and assumptions supplied within the application (in accordance with B2.2.2 of the application).</p> <p>Details of the results shall be submitted to the Environment Agency together with a comparison summary of actual results to predicted emissions.</p> <p>Where any variances are shown, the Operator shall re-evaluate the impact assessment provided within section B3.1 of the application.</p>	30/07/2010
IC 5	<p>The Operator shall conduct an assessment into the effectiveness of containment from fugitive and non-fugitive emissions to ground from the site interceptor in accordance with the recommendations in section 8 of the baseline contamination survey, provided within the application site report.</p> <p>The assessment shall take into account the requirements of PPG3 : 'Use and design of oil separators in surface water drainage systems' and BS EN 858-1:2002 / BS EN 858-2:2003 "Separator systems for light liquids (e.g. oil and petrol).</p> <p>A written report summarising the findings of the assessment shall be submitted to the Environment Agency for approval in writing. The report shall include a timetable for the implementation of any improvements identified.</p>	25/10/2010
IC 6	<p>The Operator shall carry out an assessment into the source of any potential odour generation including, but not limited to, contaminated waters (wastewater and site effluent). The assessment shall take into account the indicative BAT requirements for control of fugitive emissions to air – Sector Guidance Note S5.06, section 2.2.4.</p> <p>A written report summarising the findings of the assessment shall be submitted to the Environment Agency for approval in writing. The report shall include a timetable for the implementation of any improvements identified.</p>	25/10/2010
IC 7	<p>The Operator shall submit a report to the Environment Agency detailing the specifications of the proposed effluent treatment plant (as stated within appendix A of application EPR/EP3095EK/V002).</p> <p>The report shall show considerations given for alternative treatment techniques (in the form of a BAT options appraisal) together with an assessment of predicted improvements to site effluent prior to its discharge to sewer for further treatment.</p>	25/01/2011
IC 8	<p>The Operator shall submit a proposed timetable to the Environment Agency for the implementation of activated carbon filters on tank vents (as stated within section 2.2 of the application) for the abatement of emissions to air.</p>	25/01/2011
IC 9	<p>The Operator shall carry out a waste minimisation audit, in accordance with section 2.4.2 of Sector Guidance Note S5.06.</p> <p>A summary of the audit shall be submitted to the Agency together with a timetable to implement any necessary improvements identified.</p>	25/01/2012
IC 10	<p>The Operator shall carry out a water efficiency audit, in accordance with section 2.4.3 of Sector Guidance Note S5.06.</p> <p>A summary of the audit shall be submitted to the Agency together with a timetable to implement any necessary improvements identified.</p>	25/01/2012

Schedule 2 - Site plan



Schedule 3 - Waste types, raw materials and fuels

Table S3.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Gas oil	Less than 0.1% sulphur
Residual Fuel (MFO/PFO)	Less than 1% sulphur

Table S3.2 Permitted waste types and quantities for activities A1 and A2 in tanks 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 86, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97 and 98.	
Maximum quantity	Alone or in-combination with S3.3, the maximum quantity shall not exceed 60,000 tonnes per annum with a maximum storage capacity of 7,125 m³ (at any one time) in accordance with safe storage levels listed within the application.
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, physical and chemical treatment of minerals
01 05 05*	oil-containing drilling muds and wastes
05	Wastes from petroleum refining natural gas purification and pyrolytic treatment of coal
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 12*	oil containing acids
08	Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks
08 03 19*	disperse oil
10	Wastes from thermal processes
10 01 04*	oil fly ash and boiler dust
10 02 11*	wastes from cooling – water treatment containing oil
10 05 08*	wastes from cooling – water treatment containing oil
10 07 07*	wastes from cooling – water treatment containing oil
10 08 19*	wastes from cooling – water treatment containing oil
11	Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy
11 01	Wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
12	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	synthetic machining oils
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 19*	readily biodegradable machining oil
12 03 01*	aqueous washing liquids
12 03 02*	steam degreasing wastes
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils and those in chapters 05, 12 and 19)
13 01	waste hydraulic oils
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 11*	synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils

13 02	waste engine, gear and lubricating oils
13 02 04*	mineral-based chlorinated engine
13 02 05*	mineral-based non-chlorinated engine
13 02 06*	synthetic engine
13 02 07*	readily biodegradable engine
13 02 08*	other engine
13 03	waste insulating and heat transmission oils
13 03 01*	insulating or heat transmission oils containing PCBs ^{Note1}
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 08*	synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 04	bilge 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	oil/water separator contents
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 07	wastes of liquid fuels
13 07 02*	petrol
13 08	oil wastes not otherwise specified
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
16	Wastes not in the list wastes - from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 08*	wastes containing oil
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 07*	oil and concentrates from separation
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	Separately collected fractions (except 15 01)
20 01 26*	oil and fat other than those mentioned in 20 01 25

Table S3.3 Permitted waste types and quantities for activities A5 and A6 in tanks 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 86, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97 and 98.

Maximum quantity	Alone or in-combination with S3.2, the maximum quantity shall not exceed 60,000 tonnes per annum with a maximum storage capacity of 7,125 m³ (at any one time) in accordance with safe storage levels listed within the application.
Waste code	Description
13 07	wastes of liquid fuels
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)

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
A1 [Gas boiler 1.29MWth]	No parameters set	Emissions from Boiler plant	No limit set	-	-	-
A2 [Gas boiler 1.99MWth]	No parameters set	Emissions from Boiler plant	No limit set	-	-	-
A3 [tank 75]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A4 [tank 76]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A5 [tank 77]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A6 [tank 78]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A7 [tank 79] Gas Oil Storage tank	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A8 [tank 80]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A9 [tank 81]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A10 [tank 82]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A11 [tank 84]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A12 [tank 85]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A13 [tank 86] Recovered Fuel Oil Tank	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A14 [tank 88]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A15 [tank 89]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling and emissions during tank heating	No limit set	-	-	-
A16 [tank 90]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-
A17 [tank 91]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling	No limit set	-	-	-

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A18 [tank 92]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling and emissions during tank heating	No limit set	-	-	-
A19 [tank 93]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling and emissions during tank heating	No limit set	-	-	-
A20 [tank 94]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling and emissions during tank heating	No limit set	-	-	-
A21 [tank 95]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling and emissions during tank heating	No limit set	-	-	-
A22 [tank 96]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling and emissions during tank heating	No limit set	-	-	-
A23 [tank 97]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling and emissions during tank heating	No limit set	-	-	-
A24 [tank 98]	VOC's Ammonia Hydrogen Sulphide PAH's	Displacement air during tank filling and emissions during tank heating	No limit set	-	-	-
A25 [Workshop / Centrifuge Process Plant]	VOC's Ammonia Hydrogen Sulphide PAH's	Emissions from the condenser and filter	No limit set	-	-	-
A26 [Thermal Oil heater 40,000 btu/hr]	No parameters set	Emissions from Thermal oil heater	No limit set	-	-	-

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

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
None	-	-	-	-	-	-

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 Discharge of process effluent to Anglian Water (treatment at Cliff Quay WwTW, Raeburn Road South).	COD	Site surface water drainage and process effluent.	N/A Note 1	-	-	-
	Suspended Solids		N/A Note 1	-	-	-
	Sulphate		N/A Note 1	-	-	-
	Zinc		N/A Note 1	-	-	-
	Nickel		N/A Note 1	-	-	-
	Fat / Oil / Grease		N/A Note 1	-	-	-
	pH		N/A Note 1	-	-	-

Note 1 Treatment subject to change following completion of improvement condition IC7, Table S1.3.

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
Daily inspection of tanks and earth bund. ^{Note1}	Tanks 75, 76, 77, 78, 80, 81, 82, 84, 85, 88, and 89.	Quarterly	01/11/2009

^{Note1} This requirement will be removed upon completion improvement condition IC1.

Table S5.2: Annual production/treatment

Parameter	Units
Recovered Fuel Oil (RFO) produced	tonnes
Processed Fuel Oil (PFO) produced	tonnes
Total Waste Oil Received	tonnes

Table S5.3 Performance parameters

Parameter	Frequency of assessment	Units
Total Waste Oil Re-used	Annually	tonnes
Total Waste Oil Removed	Annually	tonnes
Water usage	Annually	tonnes
Energy usage	Annually	MWth

Table S5.4 Reporting forms

Media/parameter	Reporting format	Date of form
Daily inspection of tanks and earth bund. ^{Note1}	Reporting form to be agreed in writing with the Agency.	N/A
Water usage	Form water usage ¹ or other form as agreed in writing by the Agency	01/02/2010
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	01/02/2010

^{Note1} This requirement will be removed upon completion improvement condition IC1.

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 EP Regulations.

Part A

Permit Number	EPR/EP3095EK
Name of operator	Eco-Oil Limited
Location of Facility	Hollywell Site, Cliff Quay, Cliff Road, Ipswich, Suffolk, IP3 0BE.
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 facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of **Eco-Oil Limited**

Schedule 7 - Interpretation

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

"*annually*" means once every year.

"*application*" means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP 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*" means any of the operations provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

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

"*EP Regulations*" means The Environmental Permitting (England and Wales) Regulations SI 2007 No.3538 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

"*groundwater*" means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

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

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

"*recovery*" means any of the operations provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

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 (Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste).

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

END OF PERMIT