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**Environment  
Agency**

**Our Ref: EA/PPC/PP3137ML**

**Date: 19<sup>th</sup> October 2007**

The Company Secretary  
Rapier Energy Ltd  
70 Northburn Road  
Coatbridge  
Lanarkshire  
ML5 2HY

Dear Sir/Madam,

**The Pollution Prevention and Control (England and Wales) Regulations 2000  
(SI 2000 no: 1973), as amended, (the PPC Regulations);**

**Application reference: EA/PPC/PP3137ML**  
**Applicant: Rapier Energy Ltd**  
**Installation: Billingham Waste Oil Facility**

We have determined your application and I enclose your copy of the permit.

If you wish to appeal against its conditions you can do so under regulation 27 of the above regulations within six months of the issue date. Please see the notes at the end of this letter on making an appeal.

We have provided guidance on the meaning of the permit conditions on the Environment Agency website.

[http://www.environment-agency.gov.uk/commondata/acrobat/pir\\_1632708.pdf](http://www.environment-agency.gov.uk/commondata/acrobat/pir_1632708.pdf)

We have provided this guidance to assist your understanding of the permit conditions so as to help you comply with the permit conditions. You should read this guidance in conjunction with any other relevant Environment Agency guidance for your industry.

You are required to make quarterly waste returns under section 4.1 of the permit. We will send you by email the forms and information on where to return the forms.

Please send all returns required under the permit to Martin Swainston, Environment Management Team, Environment Agency, Swan House, Merchants Wharfe, Westpoint Road, Thornaby, Cleveland, TS17 6BP.

Yours sincerely



**Matthew Adams**  
**Technical Administrator**

Direct dial: 01925 542935

Direct fax: 01925 542407

Direct e-mail [matthew.adams@environment-agency.gov.uk](mailto:matthew.adams@environment-agency.gov.uk)

### **Appeal**

If you wish to appeal you should do so to the following, who can also provide you with the necessary forms. **You should note that your appeal must be made on the basis of the location of the installation, whose permit you are appealing.** The location of your head office or any other office is irrelevant.

In England:

Secretary of State  
The Planning Inspectorate  
Room 4.12 - Eagle Wing  
Temple Quay House  
2 The Square  
Bristol  
BS1 6EA

In Wales:

Welsh Assembly  
Environmental Protection Division  
Crown Buildings  
Cathays Park  
Cardiff  
CF10 3NQ

**Cc: Mr Robert Wylie; General Manager, Rapier Energy.**



**ENVIRONMENT  
AGENCY**

## **Permit with introductory note**

Pollution Prevention and Control (England & Wales) Regulations 2000

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Rapier Energy Limited

Billingham Waste Oil Facility  
New Road  
Off Haverton Hill Road  
Billingham  
Teesside  
TS23 1LE

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Permit number  
PP3137ML

# **Rapier Energy Limited**

## **Permit Number PP3137ML**

### **Introductory note**

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

The main features of the installation are as follows:

The company operates from a site off New Road, which is in the south of Billingham. The area generally comprises industrial use, including various chemical plants.

The site comprises two areas. There is a hard standing area to the north for loading and unloading. To the south is a bunded area containing the storage and processing tanks. There will be an associated building for offices and laboratory. The installation is located within the wider waste management licensed area. The installation is not operating at the time of Application.

The core business of the company is the processing of used oils from land-based sources, e.g., garages, transport companies, and from marine sources, such as bilge oils, contaminated fuels etc. It also takes in interceptor oils and waters and waste coolant oils used in the engineering industry. The oil is processed to form a fuel oil, reducing agent or as feedstock for further processing by distillation. The site will accept up to 24,800 tonnes per year of oil.

Incoming used oils are taken to holding tanks and batches are pumped into process tanks where the oil is raised to a nominal 90°C by steam from an external boiler. Splitting of oil and water is primarily by the application of heat, the lower density hot oil rising to the top of the oil water mixture. De-emulsifier is added to speed and improve this process. The process water is discharged to sewer via a storage tank and oil interceptor. At this stage the oil will be normally less than 2% moisture content.

The oil is pumped through a filtration system to take off coarse solids. From the sieves, the oil is taken to storage for cooling, then dispatched directly to customers or for further processing off site.

The main emissions to air are from tank vents (point sources) and manways during desludging (fugitive sources), and consist of VOCs. Emissions to sewer are from surface water runoff and treated wastewater that will flow to Northumbrian Water's Bran Sands Wastewater Treatment Works. There are no process emissions to water or land. Wastes will comprise oily rags, spill granules and sludge.

The company operates quality management and environmental management systems, but it is not externally certified.

There are no SSSIs or designated European sites within the Habitats Regulations distance criteria. There are a number of SSSI and European sites between 1km and 10km from the site but they are not in hydraulic continuity with the installation.

Status Log of the permit		
Detail	Date	Response Date
Application PP3137ML	Duly made 06/03/07	
Additional Information Received		03/08/07
Additional Information Received		03/08/07
Permit determined	19/10/07	

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation			
Holder	Reference Number	Date of Issue	Fully or Partially Superseded
Whelan Environmental Services Limited	CLE282/3	04/03/96	Partially superseded with the reduction in the types of wastes being processed and the volumes being stored and treated

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

End of Introductory Note

**Permit**

Pollution Prevention and Control  
(England and Wales) Regulations 2000

## Permit

Permit number

**PP3137ML**

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 **Rapier Energy Limited** ("the operator"),

whose registered office (or principal office) is

**70 Northburn Road**

**Coatbridge**

**Lanarkshire**

**ML5 2HY**

company registration number **314151**

to operate an installation at  
**Billingham Waste Oil Facility**  
**New Road**  
**Off Haverton Hill Road**  
**Billingham**  
**Teesside**  
**TS23 1LE**

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

Signed

Date

	<b>19th Oct 2007</b>
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**J M Ingram**

Authorised to sign on behalf of the Agency

# **Conditions**

## **1 Management**

### **1.1 General management**

1.1.1 The activities shall be managed and operated:

- (a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the operator as a result of complaints; and
- (b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

### **1.2 Accidents that may cause pollution**

1.2.1 The operator shall:

- (a) maintain and implement an accident management plan;
- (b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;
- (c) make any appropriate changes to the plan identified by a review.

### **1.3 Energy efficiency**

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every 4 years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures 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 table S3.2; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
  - (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(s) 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(s) is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

## **2.4 Off-site conditions**

There are no off-site conditions under this section.

## **2.5 Improvement programme**

- 2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Agency.
- 2.5.2 Except in the case of an improvement which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

## **2.6 Pre-operational conditions**

There are no pre-operational conditions in this permit.

## **2.7 Closure and decommissioning**

- 2.7.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.
- 2.7.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site to a satisfactory state.
- 2.7.3 The operator shall carry out and record a review of the site closure plan at least every 4 years.
- 2.7.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

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

- 2.8.1 The operator shall, within 2 months of the issue of this permit, submit a site protection and monitoring programme.
- 2.8.2 The operator shall implement and maintain the site protection and monitoring programme and shall carry out and record a review of it at least every 4 years.

## **3. Emissions and monitoring**

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

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 4 tables S4.1, S4.2 and S4.3.
- 3.1.2 The limits given in schedule 4 shall not be exceeded.

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

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

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

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

## **3.6 Monitoring**

- 3.6.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake monitoring for the parameters, at the locations and at not less than the frequencies specified in the following tables in schedule 4 to this permit:
- (a) point source emissions specified in tables S4.1, S4.2 and S4.3.
- 3.6.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 4 tables S4.1, S4.2 and S4.3 unless otherwise specified in that schedule.
- 3.6.5 Within 6 months of the issue of this permit (unless otherwise agreed in writing by the Agency) the site reference data identified in the site protection and monitoring programme shall be collected and submitted to the Agency.

## **4. Information**

### **4.1 Records**

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
  - (b) be made as soon as reasonably practicable;
  - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
  - (d) be retained, unless otherwise agreed in writing by the Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
    - (i) the site protection and monitoring programme.
- 4.1.2 Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.
- 4.1.3 All records required to be held by this permit shall be held on the installation and shall be available for inspection by the Agency at any reasonable time.

## **4.2 Reporting**

- 4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the assessment of the impact of the emissions submitted with the application;
  - (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
  - (c) the annual production /treatment data set out in schedule 5 table S5.2;
  - (d) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule; and
  - (e) details of any contamination or decontamination of the site which has occurred.
- 4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 5 table S5.1;
  - (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.4 ; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.3 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency
- 4.2.6 The results of reviews and any changes made to the site protection and monitoring programme shall be reported to the Agency, within 1 month of the review or change.

## **4.3 Notifications**

- 4.3.1 The Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
  - (b) the breach of a limit specified in the permit;

- (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.
- 4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:
  - (a) as soon as practicable prior to the permanent cessation of any of the activities;
  - (b) cessation of operation of part or all of the activities for a period likely to exceed 1 year; and
  - (c) resumption of the operation of part or all of the activities after a cessation notified under (b) above.
- 4.3.4 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.5 Where the Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.6 The Agency shall be notified within 7 days of any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence.
- 4.3.7 The Agency shall be provided, within 14 days of the operator or any relevant person being convicted of a relevant offence, (unless such information has already been notified to the Agency), with details of the nature of the offence, the place and date of conviction, and the sentence imposed.
- 4.3.8 The Agency shall be notified within 14 days of the operator and/or any relevant person lodging an appeal against a conviction for any relevant offence and of the outcome when the appeal is decided.
- 4.3.9 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
  - (a) any change in the operator's trading name, registered name or registered office address;
  - (b) any change to particulars of the operator's ultimate holding company (including details of an ultimate holding company where an operator has become a subsidiary); and
  - (c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

## **4.4 Interpretation**

- 4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.

# Schedule 1 - Operations

**Table S1.1 activities**

Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
S5.3 A (1) (b) - "The disposal of waste oils (as defined by the Waste Oil Directive) (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day".	Storage and blending of waste oil; despatch for further treatment, including recovery activities R3, R13 and disposal activity D15	From receipt of waste oil as defined in Schedule 3 Table S3.2 to dispatch of waste oil, including storage in tanks T796 to T799 in the areas identified in Schedule 2
<b>Directly Associated Activity</b>		
Oil storage and blending	Storage and blending of non-Waste Oil Directive waste oil; despatch for further treatment, including recovery activities R3, R13 and disposal activity D15	From receipt of waste oil as defined in Schedule 3 Table S3.2 to dispatch of processed oil, including storage in tanks T796 to T799 in the areas identified in Schedule 2
Raw materials storage and handling	Receipt, storage and handling of raw materials.	From receipt of waste oil to dispatch of processed oil for further treatment or sale
Waste Storage	Storage of wastes generated on site	From receipt of waste from the process to dispatch for further treatment or disposal
Utilities and storage	Operation of systems for supply of utilities and services such as electricity	Utilities and services systems within the Installation boundary
Discharges to sewer	Collection of process wastewater and surface water and discharge to sewer via interceptor	From collection of process wastewater to transfer to sewer

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Application	The responses to sections B2.1 and B2.2 in the Application, with the exception of B2.1.7, B2.2.3, B2.2.4, B2.2.5, B2.2.8, B2.2.9, B2.2.13, B2.2.14, B2.2.15, B2.2.16, B2.2.18, B2.2.22, B2.2.33, B2.2.34, B2.2.38, B2.2.39 and B2.2.40.	31/01/07
Receipt of additional information to the application	Responses to questions 1 to 24 on the request for further information dated 22/08/07.	03/09/07
Receipt of additional information to the application	Responses to questions 1 to 7 on the request for further information dated 03/09/07.	03/09/07

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC01	<p>The Operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.1.2 of Sector Guidance Note S5.06 to cover:</p> <ul style="list-style-type: none"> <li>The temporary storage and quarantine of rejected incoming material prior to removal from site.</li> </ul>	31 <sup>st</sup> January 2008
IC02	<p>The Operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.1.3 of Sector Guidance Note S5.06 to cover:</p> <ul style="list-style-type: none"> <li>A formal procedure for tracking incoming material that are rejected from the installation.</li> <li>A formal procedure for the storage of drummed and/or containerised waste that has been generated on site.</li> <li>A formal procedure for auditing of performance against requirements arising from the planned maintenance programme.</li> <li>A formal procedure for auditing of conformity with environmental management system.</li> <li>Test acceptance criteria, limits of results and process criteria to be detailed on operation flowsheets or in operating procedures.</li> </ul>	31 <sup>st</sup> January 2008
IC03	The operator shall undertake a CCTV survey of site foul drainage and subsurface structures, and provide a written report detailing the findings and any remedial action required and the proposed timescales, for approval by the Environment Agency.	30 <sup>th</sup> April 2008
IC04	<p>The Operator shall conduct a survey of emissions of VOCs to air, having regard to Environment Agency Sector Guidance Note IPPC S5.06 Section 2.10. Releases shall be characterised by monitoring, where appropriate, and monitoring methods shall be agreed in advance with the Agency. A written report shall be submitted to the Agency for approval which identifies appropriate improvements with a timetable for their implementation.</p> <p>The Operator shall submit a revised environmental impact assessment which evaluates the potential for impact arising from the release of VOCs from the installation, using the Agency's H1 tool (or other equivalent assessment tool used with the written agreement of the Agency). An electronic copy of the H1 assessment (or other equivalent assessment tool used with the written agreement of the Agency) shall be submitted to the Agency.</p>	30 <sup>th</sup> April 2008  31 <sup>st</sup> October 2008
IC05	<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"> <li>consideration of the principals set out in PPG 18 – Managing Fire-water and major spillages.</li> <li>Identification of any improvements necessary in order to minimise the risk of a pollution incident caused by firewater</li> </ul> <p>A written report summarising the assessment and any necessary improvements shall be submitted to the Environment Agency. The report shall include timescales for the Operator to implement the improvements.</p>	29 <sup>th</sup> August 2008
IC06	<p>The Operator shall ensure that a review the integrity of all storage tanks and site surfacing and containment kerbs 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> <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>	Review by 31 <sup>st</sup> January 2008  31 <sup>st</sup> July 2008

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
IC07	<p>The operator shall ensure that a review of the design, method of construction and integrity of all bunds surrounding above ground tanks be carried out by a qualified structural engineer. This shall compare existing bunds against the standards set out in Section 2.2.5 of the Sector Guidance Note S5.06, CIRIA Report 163 on the Construction of Bunds for Oil Storage Tanks with a tank capacity of &lt; 25 m<sup>3</sup> (ISBN: 0 86017 468 9), and CIRIA Report 164 on Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of &gt; 25 m<sup>3</sup> (ISBN: 0 86017 476X).</p> <p>The review shall include:</p> <ul style="list-style-type: none"> <li>the physical condition of the bunds,</li> <li>their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure,</li> <li>any work required to ensure compliance with the standards set out in CIRIA Reports 163 and 164 for reinforced concrete or masonry bunds, and</li> <li>suggested preventative maintenance &amp; inspection regime.</li> </ul>	31 <sup>st</sup> January 2008
	<p>A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations.</p> <p>Remedial action shall be taken to ensure all bunds meet the standards set out in the above documents and implement the maintenance and inspection regime.</p>	31 <sup>st</sup> July 2008
IC08	<p>The Operator shall develop a written aqueous emissions procedure and plan, including sampling and analysis regime, having regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.2 and 2.10.1.</p>	Procedure by 31 <sup>st</sup> January 2008.
	<p>The operator shall conduct a survey of emissions to sewer, having regard to Environment Agency Sector Guidance Note IPPC S5.06 Section 2.10. Releases shall be characterised by monitoring, where appropriate, and monitoring methods shall be agreed in advance with the Agency. A written report shall be submitted to the Agency for approval which identifies appropriate improvements with a timetable for their implementation.</p>	Monitoring by 30 <sup>th</sup> April 2008
	<p>The Operator shall submit a revised environmental impact assessment which evaluates the potential for impact arising from the release to sewer from the installation, using the Agency's H1 tool (or other equivalent assessment tool used with the written agreement of the Agency), using the results of the monitoring programme required by this Improvement Condition. An electronic copy of the H1 assessment (or other equivalent assessment tool used with the written agreement of the Agency) shall be submitted to the Agency.</p>	Assessment by 31 <sup>st</sup> October 2008
IC09	<p>The Operator shall colour code all the site manhole and drainage connections and points. The Operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.7.2 and 2.10.3.</p>	30 <sup>th</sup> April 2008
IC10	<p>The Operator shall install a calibrated temperature probe, meter and recorder into the process tank, T797. The Operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.7.2 and 2.10.3.</p>	30 <sup>th</sup> May 2008
IC11	<p>The Operator shall install a steam meter and shall report on the steam usage against tonnes of oil processed. The Operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.7.2 and 2.10.3.</p>	30 <sup>th</sup> June 2008
<p>Permit Number PP3137ML Page 11 Billingham Waste Oil Facility</p>		



**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
IC12	The Operator shall install fully waterproofed insulation on all steam pipework. The Operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.7.2 and 2.10.3.	31 <sup>st</sup> July 2008
IC13	The Operator shall investigate the reuse or recovery of residual, oily sludge (possible treatment with microwaves), or failing that the disposal route that will be employed, which identified the BPEO for its disposal. The Operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Section 2.6.	29 <sup>th</sup> August 2008
IC14	The Operator shall develop a detailed written site closure plan, having regard to the Environment Agency Sector Guidance Note IPPC S5.06 Section 2.11. Upon completion of the plan a summary of the document shall be submitted to the Agency in writing.	31 <sup>st</sup> October 2008
IC15	The operator shall install level meters on all oil tanks at the installation, connected to an appropriate alarm system.	31 <sup>st</sup> October 2008

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

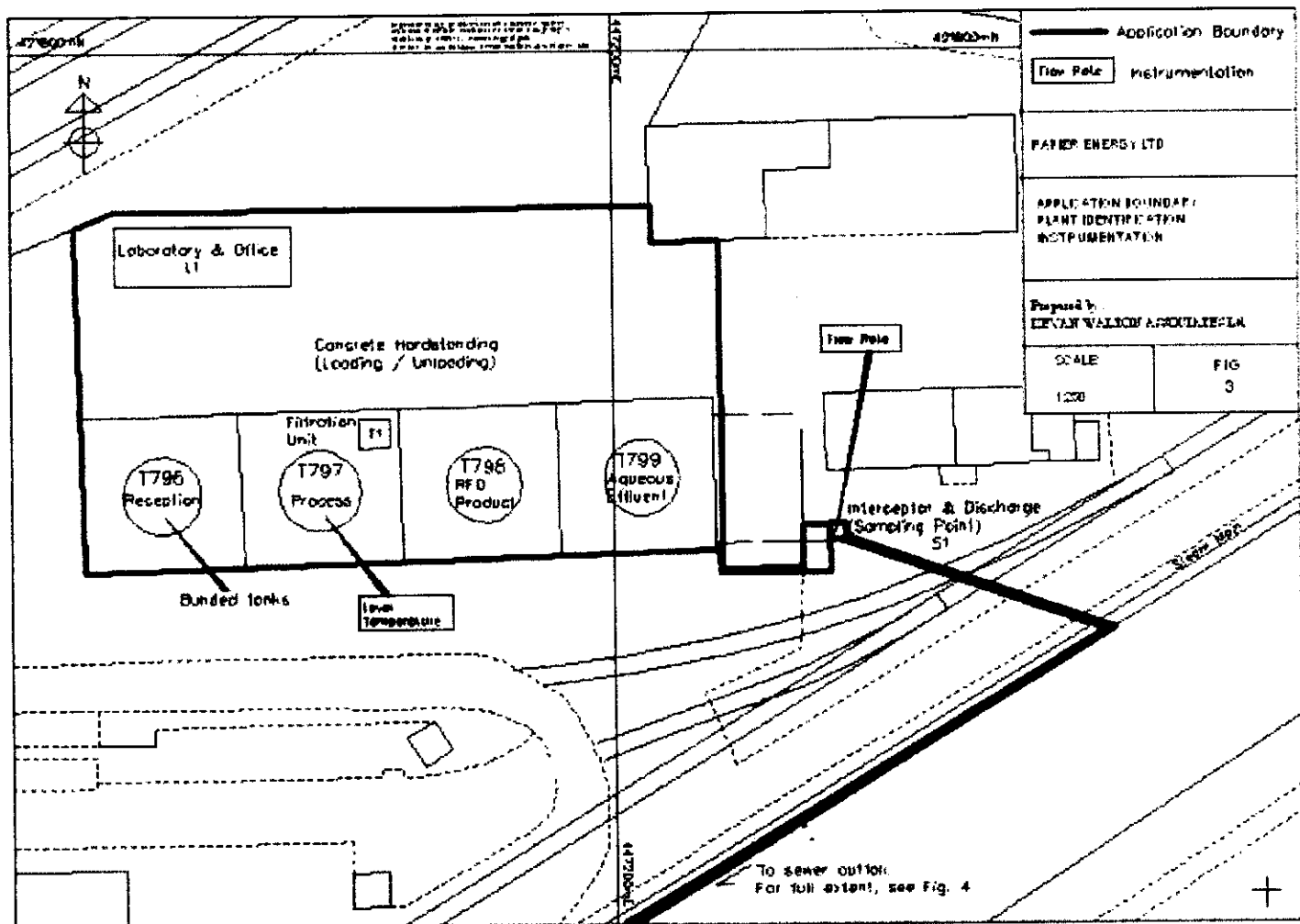
Reference	Pre-operational measures
1	At least 8 weeks before operation the operator shall submit a detailed report demonstrating that the storage tanks, T796, T797, T798, T799, have all been fully inspected, they have had remedial works carried out that is detailed in the report, they have passed full integrity testing, and an ongoing routine plan of inspection and works will be implemented in the future.
2	At least 8 weeks before operation the operator shall submit a detailed report demonstrating that all process transfer lines have all been inspected, any necessary remedial works undertaken, lines flushed and cleaned out, satisfactorily pressure tested, and an ongoing routine plan of inspection and works will be implemented in the future.

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

Measure	Dates
A fugitive emission management plan shall be submitted to the Agency, detailing the measures to be used to control fugitive emissions from the oil and wastewater tanks, road tankers, sieve(s) and oil water interceptor and shall be accordance with section 2.2.4 of Sector Guidance Note S5.06.	31 <sup>st</sup> October 2008
The plan shall be implemented by the operator within 12 months from the date of approval in writing by the Agency.	

## Schedule 2 - Site plan

(Original scale 1:250 @ A3)



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

Table S3.1 Raw materials and fuels

Raw materials and fuel description	Specification

Table S3.2 Permitted waste types and quantities for storage and treatment of waste oil in tanks T796, T797, T798, T799

Maximum Quantity	Throughput of 24,800 tonnes per annum
Waste code	Description
12 01 09*	Machining emulsions and solutions free of halogens
12 01 10*	Synthetic machining oils
12 01 19*	Readily biodegradable machining oils
13 01 10*	Mineral-based non-chlorinated hydraulic oils
13 01 11*	Synthetic hydraulic oils
13 02 05*	Mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	Synthetic engine, gear and lubricating oils
13 04 03*	Bilge oils from other navigation
13 05 07*	Oily water from oil/water separators
13 05 08*	Mixtures of wastes from grit chambers and oil/water separators
13 07 01*	Fuel oil and diesel
19 11 03*	Aqueous liquid wastes

## 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 on Fig 7, Oil handling area – January 2007 v1.2 - Appendix A	-	Oil and Wastewater Offloading Tank Vent - T796	-	--	-	-
A2 on Fig 7, Oil handling area – January 2007 v1.2 - Appendix A	-	Oil Treatment Tank Vent - T797	-	--	-	-
A3 on Fig 7, Oil handling area – January 2007 v1.2 - Appendix A	-	Oil Storage Tank Vent - T798	-	--	-	-
A4 on Fig 7, Oil handling area – January 2007 v1.2 - Appendix A	-	Oil Removal Road Tanker Vent	-	--	-	-

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

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

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

Emission point ref. & location	Parameter	Source	Limit (Incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 – Emissions to sewer - Fig 7, Oil handling area – January 2007 v1.2 - Appendix A	-	Site surface water runoff and process wastewater	No limit set	-	-	Permanent sampling access not required

## 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
-	-	-	-

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

Parameter	Units
Recovered oil dispatched	tonnes

**Table S5.3 Performance parameters**

Parameter	Frequency of assessment	Units
Energy use:		
▪ Specific Energy Consumption (per tonne product)	Annual	MWh/tonne Recovered Oil
▪ Primary carbon dioxide per tonne product	Annual	Despatched tonnes/tonne Recovered Oil Despatched

**Table S5.4 Reporting forms**

Media/parameter	Reporting format	Date of form
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	19/10/07
Other performance indicators	Form performance 1 or other form as agreed in writing by the Agency	19/10/07
Waste Return	Waste Return Form RATS2E	-

## 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	PP3137ML
Name of operator	Rapier Energy Limited
Location of Installation	Billingham Waste Oil Facility New Road Off Haverton Hill Road Billingham Teeside TS23 1LE
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	

Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

## Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the installation in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

\* authorised to sign on behalf of Rapier Energy Limited

## Schedule 7 - Interpretation

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

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

"annually" means once every year.

"application" means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 4 to the PPC Regulations.

"authorised officer" means any person authorised by the Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

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

"emissions to land", includes emissions to groundwater.

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

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

"land protection guidance", means Agency guidance "H7 - Guidance on the protection of land under the PPC Regime: application site report and site protection monitoring programme".

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

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

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

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

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

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

"site protection and monitoring programme" means a document which meets the requirements for site protection and monitoring programmes described in the Land Protection Guidance.

"technically competent management" and "technical competence" shall have the meanings given to them in the Environmental Protection Act 1990.

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

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

"year" means calendar year ending 31 December.



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

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

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

**END OF PERMIT**

Permit Number: PP3137ML

Operator: Rapier Energy Limited

Installation: Billingham Waste Oil Facility

Form Number: Energy1 / 19/10/07

**Reporting of Energy Usage for the year .....**

Energy Source	Energy Usage		Primary Energy (MWh)	Specific Usage (MW/unit output)
	Quantity			
Electricity *	MWh			
Natural Gas	tonnes			
Gas Oil	tonnes			
Recovered Fuel Oil	tonnes			
TOTAL	-			

\* Conversion factor for delivered electricity to primary energy = 2.6

Operator's comments :

Signed ..... Date.....  
(Authorised to sign as representative of Rapier Energy Limited)

Permit Number: PP3137ML      Operator: Rapier Energy Limited  
Installation: Billingham Waste Oil Facility      Form Number: Performance1 / 19/10/07

Reporting of other performance indicators for the period ..... to .....

Parameter	Units
Effluent discharged to sewer	Tonnes/year
Water usage	Tonnes/year
Raw materials (specify)	Tonnes/year
Operator's comments :	

Signed ..... Date.....  
(Authorised to sign as representative of Rapier Energy Limited)