

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Tradebe Solvent Recycling Limited

Hendon Dock Process Plant
Hendon Dock
Sunderland
Tyne and Wear
SR1 2ES

Variation application number

EPR/BV4673IM/V005

Permit number

EPR/BV4673IM

Hendon Dock Process Plant

Permit number EPR/BV4673IM

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

Schedule 1 to the Environmental Permitting Regulations has been updated by the Environmental Permitting (England and Wales) (Amendment) Regulations 2013 to reflect the implementation of the Industrial Emissions Directive into England and Wales. This variation implements the changes made to Schedule 1 of the Regulations into Table S1.1 of the permit. Table S1.1 specifies the activities authorised by the permit.

The schedules to this variation specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application BV4673IM	Duly made 31/03/05	
Request for information	02/08/05	Response dated 12/08/05.
Additional information (Response to Schedule 4 Notice) requested	09/08/05	Response dated 14/10/05.
Additional information (Acceptable Waste Categories) received	25/11/05	
Permit determined	16/12/05	
Application for variation UP3030XL received	Duly made 07/07/08	Removal of WID Conditions. Removal of Monitoring requirement for emergency vent A1.
Variation UP3030XL determined	26/11/08	
Application for variation EPR/BV4673IM/V003 received	27/09/11	
Variation EPR/BV4673IM/V003 determined	15/11/11	
Application received EPR/BV4673IM/V004	19/12/11	Notified of change of company name.
Permit determined EPR/BV4673IM	30/01/12	Varied permit issued to Tradebe Solvent Recycling Limited.
Agency variation determined EPR/BV4673IM/V005	25/11/13	Agency variation to implement the changes introduced by IED.

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/BV4673IM

issued to:
Tradebe Solvent Recycling Limited ("the operator")

whose registered office is

Whittle Close Engineer Park
Sandycroft
Deeside
Flintshire
Wales
CH5 2QE

company registration number **03890526**

to operate a regulated facility at

Hendon Dock Process Plant
Hendon Dock
Sunderland
Tyne and Wear
SR1 2ES

to the extent set out in the schedules.

The notice shall take effect from 25/11/2013.

Name	Date
Damien Matthias	25/11/2013

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as detailed, following an Environment Agency initiated variation

- Table S1.1 is amended to reflect the changes to Schedule 1 of the Environmental Permitting Regulations introduced by the Industrial Emissions Directive. The table now reads:

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
Section 5.3A(1)(a)(ii) : Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Operation of the kettle, reboiler heat exchanger, distillation column and vent condensers, feed and product tanks.	From the receipt of material for processing from road or bulk tank through the distillation /separation process to the transfer of separated materials to storage or disposal.
Directly Associated Activity		
Production of steam	Production of steam in 3 boilers rated 3.5 MW, 5.3 MW and 12 MW. Gas oil is used as a standby fuel. Boilers 1, 2 and 3 also incinerate process and tank vent gases.	Fuel systems, air supply systems, boiler, stack devices and systems for controlling operations, recording and monitoring.
Raw material handling and storage	Handling and storage of raw materials.	Unloading bulk road tankers, drums or IBCs of materials, transfer of materials to tank farm, transfer from tank farm to distillation unit (kettle) feed tank, handling and storage of entrainers or additives used to control pH, handling and storage of anti-oxidants and stabilisers.
Recovered solvent handling and storage	Handling and storage of recovered (product) solvents.	Transfer from distillation unit to tank farm, loading of bulk road tankers, IBC's or drums from tank farm or distillation unit.
Process waste handling and storage	Handling and storage of process waste.	Collection and segregation of solid waste, transfer of solvent from distillation unit to tank farm, transfer of solvent to bulk road tankers from tank farm.

Table S1.1 activities

Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
Air emissions abatement	Air emissions abatement through treatment in water spray scrubber.	Abatement of major process vessel and distillation unit vents shall be centrally treated via boilers 1, 2 or 3 (as outlined above); if this route is unavailable abatement shall be via the water scrubber.
Utility system operation	Operation of utility systems.	Includes cooling water system, compressed air and nitrogen.
Process effluent treatment	Treatment of process effluent.	Collection of process effluent. Treatment of effluent and storage in discharge tanks.

Schedule 3 – conditions to be added

None

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Tradebe Solvent Recycling Limited

Hendon Dock Process Plant
Hendon Dock
Sunderland
Tyne and Wear
SR1 2ES

Variation application number
EPR/BV4673IM/V006

Permit number
EPR/BV4673IM

Hendon Dock Process Plant

Permit number EPR/BV4673IM

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

The variation is undertaken at the request of the operator to record a change of registered office address from Whittle Close Engineer Park, Sandycroft, Deeside, Flintshire, Wales, CH5 2QE to Atlas House, Third Avenue, Globe Park, Marlow, Buckinghamshire, SL7 1EY.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application BV4673IM	Duly made 31/03/05	
Request for information	02/08/05	Response dated 12/08/05.
Additional information (Response to Schedule 4 Notice) requested	09/08/05	Response dated 14/10/05.
Additional information (Acceptable Waste Categories) received	25/11/05	
Permit determined	16/12/05	
Application for variation UP3030XL received	Duly made 07/07/08	Removal of WID Conditions. Removal of Monitoring requirement for emergency vent A1.
Variation UP3030XL determined	26/11/08	
Application for variation EPR/BV4673IM/V003 received	27/09/11	
Variation EPR/BV4673IM/V003 determined	15/11/11	
Application received EPR/BV4673IM/V004	19/12/11	Notified of change of company name.
Permit determined EPR/BV4673IM	30/01/12	Varied permit issued to Tradebe Solvent Recycling Limited.
Agency variation determined EPR/BV4673IM/V005	25/11/13	Agency variation to implement the changes introduced by IED.
Notified of change of registered office address	06/02/15	Registered office address changed to Atlas House, Third Avenue, Globe Park, Marlow, Buckinghamshire, SL7 1EY.
Variation issued EPR/BV4673IM/V006	16/02/15	Varied permit issued to Tradebe Solvent Recycling Limited

End of introductory note

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

permit number
EPR/BV4673IM

issued to
Tradebe Solvent Recycling Limited ("the operator")

whose registered office is

Atlas House
Third Avenue
Globe Park
Marlow
Buckinghamshire
SL7 1EY

company registration number **03890526**

to operate a regulated facility at

Hendon Dock Process Plant
Hendon Dock
Sunderland
Tyne and Wear
SR1 2ES

as follows

on the permit page the registered office address is changed from Whittle Close Engineer Park, Sandycroft, Deeside, Flintshire, Wales, CH5 2QE to Atlas House, Third Avenue, Globe Park, Marlow, Buckinghamshire, SL7 1EY.

The notice shall take effect from 16/02/2015

Name	Date
Damien Matthias	16/02/2015

Authorised on behalf of the Environment Agency



Variation Notice with introductory note

Pollution Prevention and Control Regulations 2000

**Hendon Dock Process
Plant**

**Solvent Resource
Management Limited
Hendon Dock
Sunderland
Tyne and Wear SR1 2ES**

**Variation Notice number
UP3030XL**

**Permit number
BV4673IM**

Solvent Resource Management Ltd Variation Number UP3030XL

Introductory note

This introductory note does not form a part of the Variation Notice.

The following Notice is issued under Regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a Permit issued under the Regulations to operate [part of] an installation.

The Notice comprises Schedule 1 containing conditions to be deleted, Schedule 2 conditions to be amended and Schedule 3 conditions to be added. The Notice is subject to the express conditions set out in Schedules 1 to 3.

The Permit, as amended by this Variation Notice, contains conditions which have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

This Variation is issued in relation to a recent Court of Appeal Judgement, 28 June 2007, regarding Article 1(a) of the Waste Framework Directive. As a result, the Environment Agency accepts that so long as Product Grade Distillate fuel produced complies with an agreed specification it will no longer be classified as a waste.

The use of this material as a fuel in the boilers will no longer require the Operator to comply with the requirements of the Waste Incineration (England and Wales) Regulations 2002 SI 2002/2980.

The Variation also removes the requirement for daily monitoring of Emergency Stack A20 when in use. Operational controls have been specified.

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
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<i>None</i>		
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Superseded Licenses/Consents/Authorisations relating to this installation

Holder	Reference Number	Date of Issue
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Solvent Resource Management Limited	AG8594	28 / 05 /1993
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Talking to us

If you contact the Agency about this Permit please quote the Permit Number.

The Operator should use the Emergency Hotline telephone number (0800 80 70 60) or any other number notified to it to give a notification under condition 5.1.1 of the Permit.

Confidentiality

The Permit/Variation requires the Operator to provide information to the Agency. The Agency will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Agency to have such information withheld from the register as provided in the PPC Regulations. To enable the Agency to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

Variations to the permit

This Permit may be varied in the future. The Status Log within the Introductory Note to any such variation will include summary details of the Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the applicant to be successful, they would have to be able to demonstrate to the Agency, in accordance with Regulation 19 of the PPC Regulations, that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the permit or part of the permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit. If the Permit authorises the carrying out of a specified waste management activity, then there is a further requirement that the transferee is considered to be a "fit and proper person" to carry out that activity.

Status Log

Detail	Date	Comment
Application BV4673IM	Duly Made 31/03/05	
Response to request for information	Request dated 02/08/05	Response dated 12/08/05
Additional Information (Response to Schedule 4 Notice)	Request dated 09/08/05	Response dated 14/10/05
Additional Information (Acceptable Waste Categories)		Received 25/11/05
Permit determined	16/12/05	
Application for Variation UP3030XL Received	Made 07/072008	Removal of WID Conditions. Removal of Monitoring requirement for emergency vent A1.
Variation UP3030XL Determined	26/11/08	

End of introductory Note

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000

Variation Notice

Permit number

BV4673IM

Variation Notice number

UP3030XL

The Environment Agency in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I. 2000 No. 1973) (as amended), hereby varies the Permit held by

Solvent Resource Management Limited ("the Operator"),

whose Registered Office is

Hendon Dock

Sunderland SR1 2ES

Company registration number **3890526**

which relates to the operation of an Installation at

Hendon Dock

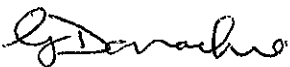
Sunderland

Tyne and Wear SR1 2ES

to the extent set out in Schedules 1 to 3 of this Variation Notice.

This Notice shall take effect from **Wednesday 26th November at 00.01 hours.**

Signed



Dr G. Donachie (PPC Team Leader)

Authorised to sign on behalf of the Environment Agency

Date

21/11/08

SCHEDULE 1 - CONDITIONS TO BE DELETED

1. All previous conditions, Tables and Schedules of Permit BV4673IM shall be deleted

SCHEDULE 2 - CONDITIONS TO BE AMENDED

1. None

SCHEDULE 3 - CONDITIONS TO BE ADDED

1. The following conditions and schedules are added to the Permit.

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").

2.2 The site

- 2.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in green on the Site Plan at Schedule 5 to this Permit. The land edged in blue within this area is excluded from the Permitted Installation.

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(s) S3.2 [, S3.3 etc] ; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.4 Records shall be kept of all waste accepted onto the site.

2.4 Off-site conditions

- 2.4.1 There are no off-site conditions under this section.

2.5 Improvement programme

- 2.5.1 There is no improvement programme in this permit.

2.6 Pre-operational conditions

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

3. Emissions and Monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 4 tables S4.1, S4.2 and S4.3.
- 3.1.2 The limits given in schedule 4 shall not be exceeded.
- 3.1.3 Total annual emissions from the emission point(s) set out in tables schedule 4 S4.1, S4.2 and S4.3 of a substance listed in schedule 4 table S4.4 shall not exceed the relevant limit in table S4.4.

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;
 - (b) surface water specified in table S4.5;
 - (c) noise specified in table S4.6;
 - (d) ambient air monitoring specified in table S4.7; and
 - (e) process monitoring specified in table S4.8.
- 3.6.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 4 tables S4.1, S4.2 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) 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 [on-site] and shall be available for inspection by the Agency at any reasonable time.

4.2 Reporting

4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the assessment of the impact of the emissions submitted with the application;
- (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
- (c) the annual production /treatment data set out in schedule 5 table S5.2;
- (d) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule; and
- (e) details of any contamination or decontamination of the site which has occurred.

4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 5 table S5.1;

- (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.4 ; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.3 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency
- 4.2.6 The results of reviews and any changes made to the site protection and monitoring programme shall be reported to the Agency, within 1 month of the review or change.

4.3 Notifications

- 4.3.1 The Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit;
 - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.
- 4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:
- (a) as soon as practicable prior to the permanent cessation of any of the activities;
 - (b) cessation of operation of part or all of the activities for a period likely to exceed 1 year; and
 - (c) resumption of the operation of part or all of the activities after a cessation notified under (b) above.
- 4.3.4 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.5 Where the Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.

- 4.3.6 The Agency shall be notified within 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.
- 4.3.7 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 not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.
- 4.3.8 Where the operator has entered into a direct participant agreement in the emissions trading scheme which covers emissions relating to the energy consumption of the activities, the operator shall notify the Agency within one month of:
- (a) a decision by the operator to withdraw from or the Secretary of State to terminate that agreement.
 - (b) a failure to comply with an annual target under that agreement at the end of the trading compliance period.

4.4 Interpretation

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

Schedule 1 - Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity	Limits of specified activity
Section 5.4A(1)(a) : The recovery by distillation of oils or solvents	Operation of the kettle, reboiler heat exchanger, distillation column and vent condensers, feed and product tanks	From the receipt of material for processing from road or bulk tank through the distillation / separation process to the transfer of separated materials to storage or disposal.
Directly Associated Activity		
Steam Supply	Production of steam in 3 boilers rated 3.5 MW, 5.3 MW and 12 MW. Gas oil is used as a standby fuel. Boilers 1, 2 and 3 also incinerate process and tank vent gases.	Fuel systems, air supply systems, boiler, stack devices and systems for controlling operations, recording and monitoring.
Directly associated Activity.	Handling and storage of raw materials	Unloading bulk road tankers, drums or IBCs of materials, transfer of materials to tank farm, transfer from tank farm to distillation unit (kettle) feed tank, handling and storage of entrainers or additives used to control pH, handling and storage of anti-oxidants and stabilisers.
Directly associated Activity.	Handling and storage of recovered (product) solvents	Transfer from distillation unit to tank farm, loading of bulk road tankers, IBC's or drums from tank farm or distillation unit.
Directly associated Activity.	Handling and storage of process waste	Collection and segregation of solid waste, transfer of solvent from distillation unit to tank farm, transfer of solvent to bulk road tankers from tank farm.
Directly associated Activity.	Air emissions abatement through treatment in water spray scrubber.	Abatement of major process vessel and distillation unit vents shall be central, treated via boilers 1, 2 or 3 (as outlined above); if this route is unavailable abatement shall be via the water scrubber.
Directly associated Activity.	Operation of utility systems	Includes cooling water system, compressed air and nitrogen.
Directly associated Activity.	Treatment of process effluent	Collection of process effluent. Treatment of effluent and storage in discharge tanks.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions B2.1 and B2.2 of the Application Template, as given in pages 21 to 32, and 37 to 38 of the Application.	31 st March 2005
Additional Information (Schedule 4 Notice response)	Responses to questions C2.1 and C2.10 of the Application submitted as part of the Schedule 4 Notice response (from the first time on or after the 28 th December 2005 where waste is burned on boiler 2)	14 th October 2005
Additional Information	Schedule of acceptable wastes for recovery	25 th November 2005
Application for Variation	Parts C2 to C4	25 th October 2007

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
n/a	There is no improvement programme	

Table S1.4A Pre-operational measures	
Reference	Pre-operational measures
n/a	

Table S1.4B Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
n/a		

Table S1.5 Appropriate measures for fugitive emissions	
Measure	Dates
n/a	

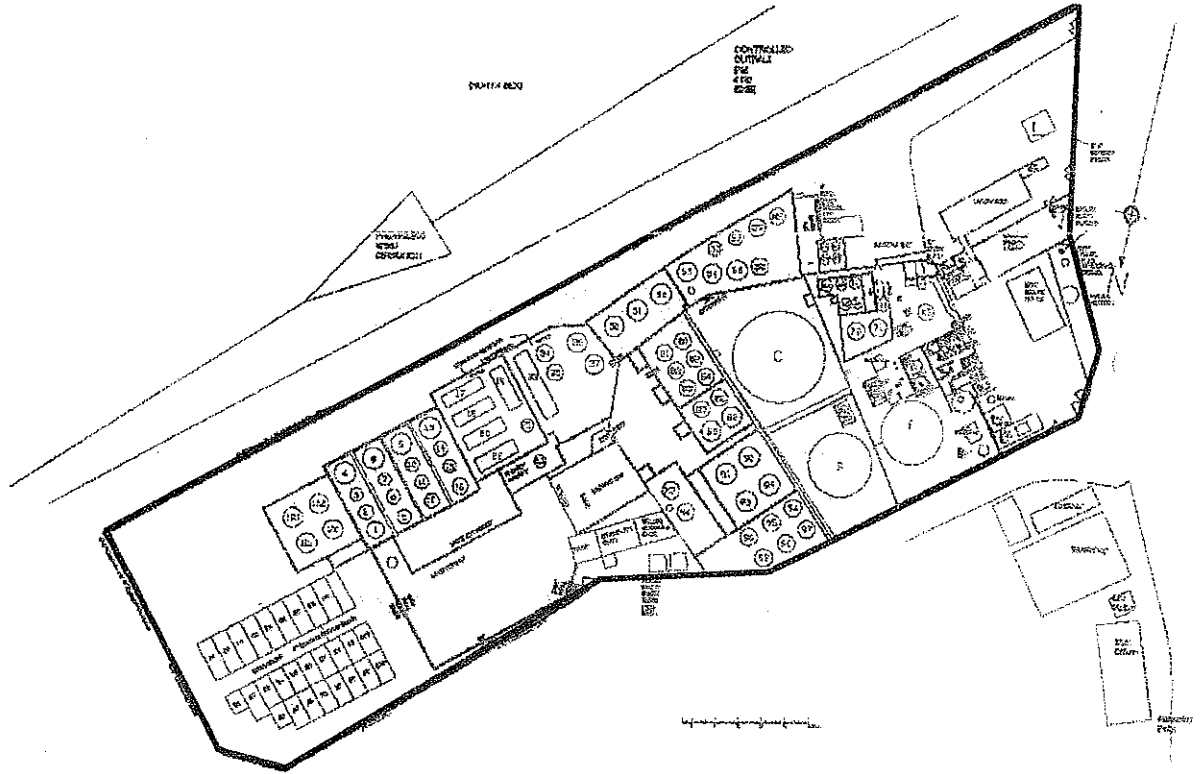
Table S1.6 Appropriate measures for litter	
Measure	Dates
n/a	

Table S1.7 Appropriate measures for mud	
Measure	Dates
n/a	

Table S1.8 Appropriate measures for odour	
Measure	Dates

Table S1.9 Appropriate measures for noise	
Measure	Dates
n/a	

Schedule 2 - Site plan



Note 1 : Pipeline transferring effluent from the Installation to the sewage treatment works shall be included within the Installation boundary, up to the point of receipt point at the sewage treatment works.

Note 2 : Domestic effluent systems are not included in the Installation boundary.

Schedule 3 - Waste types, raw materials and fuel

Table S3.1 Raw materials and fuels

Raw materials and fuel description	Specification
21,000 tonnes/year Product Grade Distillate (PGD) fuel specification	When burning PGD the feed specification shall be limited to the specification detailed in letter dated 21 st January 2008 unless otherwise agreed in writing by the Agency. Boilers 1, 2 and 3.

Table S3.2 Permitted waste types and quantities for Boiler s

Maximum quantity	No restriction on quantities
Waste code	Description
EWC 190210	Off Gas – WG1 (Non – Hazardous waste). Combustible wastes other than those mentioned in EWC 190208 and EWC 190209 -Off gas incinerated shall be from process and tank vents.

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
A4 Point A4 on Site Plan	n/a	Boiler 1 exhaust stack	n/a	n/a	n/a	n/a
A5 Point A5 on Site Plan	n/a	Boiler 2 exhaust stack	n/a	n/a	n/a	n/a
A16 Point A16 on Site Plan	n/a	Tank 90 vent	n/a	n/a	n/a	n/a
A17 Point A17 on Site Plan	n/a	Tank 91 vent	n/a	n/a	n/a	n/a
A18 Point A18 on Site Plan	n/a	Tank 92 vent	n/a	n/a	n/a	n/a
A19 Point A19 on Site Plan	n/a	Tank 93 vent	n/a	n/a	n/a	n/a
A20 Point A20 on Site Plan	n/a	Plant Scrubber	n/a	n/a	n/a	n/a
A21 Point A21 on Site Plan	n/a	Boiler 3 exhaust stack	n/a	n/a	n/a	n/a
A23 Point A23 on Site Plan	n/a	D tank vent	n/a	n/a	n/a	n/a
A24 Point A24 on Site Plan	n/a	F tank vent	n/a	n/a	n/a	n/a

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
W2 on Site Plan (Appendix 2.6 of the application) to North Sea	Chemical Oxygen Demand	Site drainage from site via interceptor	20,000 mg/l	Batchwise	Batchwise	ISO 6060:1989
W2 on Site Plan (Appendix 2.6 of the application) to North Sea	Suspended Solids	Site drainage from site via interceptor	100 mg/l	Batchwise	Batchwise	BS EN 1484:1997
W2 on Site Plan (Appendix 2.6 of the application) to North Sea	Chloroform	Site drainage from site via interceptor	1 mg/l	Batchwise	Batchwise	BS EN ISO 10301:1997
W2 on Site Plan (Appendix 2.6 of the application) to North Sea	Toluene	Site drainage from site via interceptor	25 mg/l	Batchwise	Batchwise	BS EN ISO 10301:1997
W2 on Site Plan (Appendix 2.6 of the application) to North Sea	1, 2 dichloroethane	Site drainage from site via interceptor	1 mg/l	Batchwise	Batchwise	BS EN ISO 10301:1997

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
E1. Northumbria Water Sewage Treatment Works at Hendon Dock	Chloroform	Process effluent from Discharge Tanks	2 mg/l	Batchwise	Batchwise	BS EN ISO 10301:1997
E1. Northumbria Water Sewage Treatment Works at Hendon Dock	1,2 dichloroethane	Process effluent from Discharge Tanks	2 mg/l	Batchwise	Batchwise	BS EN ISO 10301:1997
E1. Northumbria Water Sewage Treatment Works at Hendon Dock	Toluene	Process effluent from Discharge Tanks	150 mg/l	Batchwise	Batchwise	BS EN ISO 10301:1997

Table S4.4 Annual limits

Substance	Medium	Limit (kg)
Cadmium	Water	0.002 (Compliance by mass balance)
Mercury	Water	0.002 (Compliance by mass balance)
1,2 dichloroethane	Water	40 (Compliance by mass balance)
Chloroform	Water	40 (Compliance by mass balance)
Toluene	Water	900 (Compliance by mass balance)

Table S4.5 Surface water monitoring requirements

Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
n/a				

Table S4.6 Noise monitoring requirements

Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
n/a				

Table S4.7 Ambient air monitoring requirements

Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
n/a				

Table S4.8 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
A1 Scrubber	Organic Concentration	Once per 12 hours	Operator method	Based on SRM test method
A1 Scrubber	Flow	continuous	Operator method	At all times that emission point A1 is used as a release point for process fumes.
A1 Scrubber	Use of Emission Point A1	n/a	n/a	The Operator shall record the time that emission point A1 is used as a release point for process fumes

Schedule 5 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S5.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.6.1.	A20	Every 6 months	01/01/06
Emissions to water Parameters as required by condition 3.6.1	W1	Every 6 months	01/01/06
Effluent transfer Parameters as required by condition 3.6.1	E1	Every 6 months	01/01/06
Noise monitoring Parameters as required by condition 3.6.1	n/a	n/a	n/a
Ambient air monitoring Parameters as required by condition 3.6.1	n/a	n/a	n/a
Surface water monitoring Parameters as required by condition 3.6.1	n/a	n/a	n/a

Table S5.2: Annual production/treatment

Parameter	Units
Production of recovered organics	(tonnes)
Production of recovered solvent fuel	(tonnes)
Total recovered solvent fuel used in boilers	(tonnes)

Table S5.3 Performance parameters

Parameter	Frequency of assessment	Units
Energy Consumption	Annually	MWh/t of recovered product
Emission Point A20 usage (operational time of emission point A20 compared to total operational time of the installation)	Annually	%

Table S5.4 Reporting forms

Media/parameter	Reporting format	Date of form
Air: Periodic monitored emissions and total installation emissions annually	Agency Form / BV4673IM / A7 / October 2005	October 2005
Water: Periodic monitored emissions biannually	Agency Form / BV4673IM / W1 / October 2005	October 2005
Water: Annual emissions	Agency Form / BV4673IM / W2 / October 2005	October 2005
Effluent Transfer: Periodic monitored transfer of effluent to sewage treatment works	Agency Form / BV4673IM / ET1 / October 2005	October 2005
Energy Usage	E1	October 2005
Waste Return	R1	October 2005
Water usage	WU1	October 2005
Performance indicators	PI1	October 2005

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.

a If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the PPC Regulations.

Part A

Permit Number	
Name of operator	
Location of installation	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection

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

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below

Emission point reference/ source	
Parameter(s)	

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

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

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

Part B - to be submitted as soon as practicable

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

Name*	
Post	
Signature	

Date	
-------------	--

*authorised to sign on behalf of *SRM Ltd*

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 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.

"*background concentration*" means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

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

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

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

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

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

"*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.

"*site protection and monitoring programme*"

means a document

which meets the requirements for site protection and monitoring programmes described in the Land Protection Guidance.

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.

“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

Solvent Resource Management – Sunderland
Acceptable Waste List BV4673IM



EWC Code	Description	Industry Description
03 02 01*	Non Halogenated wood preservatives	Wastes from wood preservation
03 02 02*	Organochlorinated wood preservatives	
03 02 05*	Other wood containing preservatives containing dangerous substances	
04 02 14*	Wastes from finishing containing organic solvents	Wastes from the textile industry
04 02 16*	Dyestuffs and pigments containing dangerous substances	
05 01 05*	Oil Spills	Wastes from Petroleum refining
07 01 03*	Organic Halogenated solvents, washing liquids and mother liquors	Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 04*	Other organic solvents, washing liquids and mother liquors	
07 02 03*	Organic Halogenated solvents, washing liquids and mother liquors	Wastes from the MFSU of plastics, synthetic rubber and man made fibres
07 02 04*	Other organic solvents, washing liquids and mother liquors	
07 03 03*	Organic Halogenated solvents, washing liquids and mother liquors	Wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 04*	Other organic solvents, washing liquids and mother liquors	
07 04 03*	Organic Halogenated solvents, washing liquids and mother liquors	Wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 04*	Other organic solvents, washing liquids and mother liquors	
07 05 03*	Organic Halogenated solvents, washing liquids and mother liquors	Wastes from the MFSU of pharmaceuticals
07 05 04*	Other organic solvents, washing liquids and mother liquors	
07 06 03*	Organic Halogenated solvents, washing liquids and mother liquors	Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 04*	Other organic solvents, washing liquids and mother liquors	
07 07 03*	Organic Halogenated solvents, washing liquids and mother liquors	Wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 04*	Other organic solvents, washing liquids and mother liquors	
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances	Waste from the MFSU of coatings (paints, varnishes and vitreous enamels), sealants and printing inks
08 01 17*	Waste form paint or varnish removal containing organic solvents or other dangerous substances	
08 01 21*	Waste paint or varnish remover	
08 03 12*	Waste ink containing dangerous substances	Wastes from MFSU of printing inks
08 04 11*	Adhesive and sealant sludges containing organic solvents or other dangerous substances	Wastes from MFSU of adhesives and sealants
08 04 13*	Aqueous sludges containing adhesive or sealants containing organic solvents or other dangerous substances	
09 01 03*	Solvent based developer solutions	Wastes from the photographic industry
11 01 13*	Degreasing wastes containing dangerous substances	Wastes from chemical surface treatment and coating of metals and other materials
13 07 01*	Fuel Oil and Diesel	
13 07 02*	Petrol	
13 07 03*	Other fuels (including mixtures)	
14 06 01*	Chlorofluorocarbons, HCFC's, HFC	Waste organic solvents, refrigerants and propellants
14 06 02*	Other halogenated solvents and solvent mixtures	
14 06 03*	Other solvents and solvent mixtures	

*Solvent Resource Management – Sunderland
Acceptable Waste List BV4673IM*



EWC Code	Description	Industry Description
16 01 13*	Brake fluids	End of life vehicles from different means of transport and wastes from dismantling end of life vehicles and vehicle maintenance
16 01 14*	Antifreeze fluids containing dangerous substances	
16 03 05*	Organic wastes containing dangerous substances	Off specification batches and unused products
16 03 06	Organic wastes other than those mentioned in 16 03 05	
16 05 08*	Discarded organic chemicals consisting of or containing dangerous substances	Gases in pressure containers and discarded chemicals
16 07 08*	Wastes containing oil	Wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 09*	Wastes containing other dangerous substances	

Clarification of Process Description for PPC Permit BV4673IM (Hendon Dock)

SPECIAL CASE – Use of Product Grade Distillate as a fuel

Application Test

Test 1: Commonly used as or in a fuel

1.1 The materials listed in (a) to (d) below pass test 1.

(a) Hydrocarbons in the range C4 – C20.

Petrol is defined as containing hydrocarbons in the range C4 – C12, kerosene in the typical range C9 – C16 and diesel (gasoil) as containing hydrocarbons in the range C9-C20. All these hydrocarbons are therefore commonly used as or in fuel. It is irrelevant whether these may be individual substances such as toluene (C₇H₈) or mixes of some of these hydrocarbons or in fact mixes of all such hydrocarbons. Each one is commonly used as or in fuel.

(b) Alcohols in the range C1 – C4

Alcohols in common use as fuel are normally limited to simple alcohols. Methanol (C1) and ethanol (C2) as well as various mixes of the two are commonly used as fuels. Propanol (C3) is commonly used in fuels both as a calorific contributory and for its properties as an anti-hydrolock substance. Butanol Fuel (C4) is developed by BP and DuPont as a second generation “biofuel” following on from “bioethanol”. Chemically there is no difference whether ethanol or butanol are manufactured from fossil fuels or from biomass. As each of these chemicals is in its own right commonly used as or in fuel, each one, or a mixture of some or all of these fuels would meet the “common use” test.

(c) Esters: methyl esters and ethyl esters

Methyl esters are the main ingredient in biodiesel, either on their own as “B100” grade biodiesel or in a mixture with hydrocarbon fuels. Similarly, Ethyl esters are used in biodiesel, when ethanol is used as a manufacturing feedstock rather than methanol.

(d) Ethers: methyl ethers, ethyl ethers, MTBE and ETBE

Ethers are very commonly used as or in fuels. Dimethyl ether (DME) for example, whether manufactured from natural gas, coal or biomass is used as a fuel substituting LPG and other fuels. AkzoNobel market DME as a multi-purpose fuel (power generation, heating, transportation) which can be used pure and in mixtures with other products. Similarly diethyl ether is used as a fuel in its own right, eg in a blend with ethanol. Additionally, in colder climates, it is the most common fuel used in the cold start starting fluid industry.

MTBE is produced in significant quantities and is used almost exclusively in fuels, making use of its dual properties as a fuel in its own right whilst also improving the anti-knock properties of common road fuels. MTBE's ethanol based manufacturing equivalent ETBE shares the same properties and is also blended with gasoline to make it burn more cleanly and thus improve overall emissions.

Test 2: Fully recovered

Identical to original material subject to tolerances and subject to absence of polluting substances.

All following criteria must be met for a PGD which meets Test 1 to be burnt as a non-waste. Together these form "Test 2".

- 2.1 Product Grade Distillates must be the intended product of a completed R2 (solvent recovery by distillation) recycling operation. Out-of-specification, unintended or otherwise surplus products are not to be used as "non-waste" fuel, irrespective of their composition or specification.
- 2.2 The specification for PGDs to be used as fuels is to be controlled twofold. Firstly the tolerance in terms of minimum purity or, in other words, the minimum proportion of component material(s) as specified in the relevant PGD specification shall, in common with acceptable industry practice, be specified to at least 95% of each relevant PGD.
- 2.3 Secondly, to ensure the product's continued suitability for use as fuel, the remaining percentage shall be specified to contain no substances with a boiling point in excess of 250°C. This ensures the exclusion of undesirable potential pollutants such as PCBs and other potentially harmful substances. Additionally, the finished PGD in its entirety shall be no more polluting than gasoil in respect of any low-level chlorine, sulphur and trace heavy metals. This shall be tested by application of the specification presented in section 2.5 below.
- 2.4 Where a PGD to be used as a fuel contains, by virtue of its specification, to be met either by subsequent addition or process design, materials other than those listed in part 1 above, such additional chemicals must contain only carbon, hydrogen and oxygen, or any combination thereof. Such materials shall constitute only a minor percentage of the whole defined as less than 30%. Additionally their boiling point must be less than 200°C. As the cleaner than gasoil test in part 2.3 applies to the finished PGD, it is ensured that such additional constituents cannot be contaminated in a manner that would render them unsuitable for inclusion in a fuel.

2.5 Less polluting than gasoil specification:

Total Halogens expressed as chlorine:	<500 ppm
Ash @ 850°C:	<500 ppm
Total Heavy Metals:	<10 ppm
Sulphur:	<250ppm

SRM

21st December 2006