

# Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

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Tradebe Solvent Recycling Limited

North Tyne Process Plant  
Hayhole Road  
North Shields  
Tyne and Wear  
NE29 6DY

Variation application number

EPR/BV4665IG/V006

Permit number

EPR/BV4665IG

# North Tyne Process Plant

## Permit number EPR/BV4665IG

### 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 BV4665IG received                                 | 31/03/05 |  |
| Response to request for information                           | 07/07/05 | Response dated 27/07/05.   |
| Request to extend determination                               | 02/08/05 | Request accepted 19/08/05.   |
| Additional information (Schedule 4 response) requested        | 09/08/05 | Received 14/10/05.   |
| Additional information (Acceptable Waste Categories) received | 25/11/05 |  |
| Permit determined BV4665IG                                    | 16/12/05 |  |
| Application for variation KP3335MJ received                   | 19/09/06 |  |
| Variation KP3335MJ determined                                 | 27/09/06 | Response dates for improvement conditions reference 1 and 4 revised. Typographical errors amended. |
| Application for variation MP3630XG received                   | 19/12/07 | Removal of monitoring requirement for emergency vent A1.   |
| Variation MP3630XG determined                                 | 01/10/08 |  |
| Application for variation EPR/BV4665IG/V004 received          | 27/09/11 |  |
| Variation EPR/BV4665IG/V004 determined                        | 15/09/11 |  |
| Application received EPR/BV4665IG/V005                        | 19/12/11 | Notified of change of company name.  |
| Permit determined EPR/BV4665IG                                | 30/01/12 | Varied permit issued to Tradebe Solvent Recycling Limited.   |
| Agency variation determined EPR/BV4665IG/V006                 | 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/BV4665IG**

**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

**North Tyne Process Plant**  
**Hayhole Road**  
**North Shields**  
**Tyne and Wear**  
**NE29 6DY**

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:

| <b>Table S1.1 activities</b>   |  |  |
|--|--|--|
| <b>Activity listed in Schedule 1 of the EP Regulations</b>   | <b>Description of specified activity and WFD Annex I and II operations</b>   | <b>Limits of specified activity and waste types</b>  |
| Section 5.3A(1)(a)(ii) :<br>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.   |
| <b>Directly Associated Activity</b>  |  |  |
| Combustion unit for heat supply  | Combustion unit for heat (thermal transfer fluid) supply (Boiler 2). Rated thermal input of 1.5MW, and incineration of process and tank vent gases. Gas oil is used as standby fuel. | Fuel systems, air supply systems, boiler, stack devices and systems for controlling operations, recording and monitoring.  |
| Combustion unit for heat supply  | Combustion unit for heat (thermal transfer fluid) supply in a boiler (Boiler 1) with rated thermal input 1MW.  | 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 and transfer to tank farm, transfer from tank farm to distillation unit (kettle) feed tank. Handling and storage of entrainers or additives used to control pH, anti-oxidants, stabilisers in distillation unit. |
| Recovered solvent handling and storage   | Handling and storage of recovered (product) solvents.  | Transfer from distillation unit to tank farm, loading of bulk road tankers from tank farm or distillation unit.  |
| Waste solvent handling and storage   | Handling and storage of waste solvents (aqueous phase, lights and residues).   | Transfer from distillation unit to tank farm, loading of bulk road tankers from tank farm or distillation unit.  |

**Table S1.1 activities**

| <b>Activity listed in Schedule 1 of the EP Regulations</b> | <b>Description of specified activity and WFD Annex I and II operations</b> | <b>Limits of specified activity and waste types</b>   |
|--|--|---|
| 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 boiler no 2 (as outlined above); if this route is unavailable abatement shall be via the water scrubber. |

**Schedule 3 – conditions to be added**

None



**ENVIRONMENT  
AGENCY**

## **Variation Notice with introductory note**

Pollution Prevention and Control (England & Wales) Regulations 2000

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North Tyne Process Plant

Solvent Resource Management Ltd  
Hayhole Road  
North Shields  
Tyne and Wear  
NE29 6DY

Variation Notice number  
MP3630XG

Permit number  
BV4665IG

# Solvent Resource Management Ltd

## North Tyne Process Plant

### Permit Number BV4665IG

## 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 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 A1 when in use. Operational controls have been specified.

#### Other PPC Permits relating to this installation

| Permit holder | Permit Number | Date of issue |
|---------------|---------------|---------------|
| <i>None</i>   |               |               |
|               |               |               |
|               |               |               |

#### Superseded Licenses/Consents/Authorisations relating to this installation

| Holder                                     | Reference Number | Date of Issue         |
|--|------------------|-----------------------|
| <i>Solvent Resource Management Limited</i> | <i>AG8128</i>    | <i>28 / 05 / 1993</i> |
|  |                  |                       |
|  |                  |                       |

## 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 BV4665IG                                 | Received               |  |
| Response to request for information                  | Request dated 07/07/05 | Response dated 27/07/05  |
| Request to extend determination                      | Request dated 02/08/05 | Request accepted 19/08/05  |
| Additional Information (Schedule 4 response)         | Request dated 09/08/05 | Received 14/10/05  |
| Additional Information (Acceptable Waste Categories) |                        | Received 25/11/05  |
| Permit Determined BV4665IG                           | 16/12/2005             |  |
| Application for Variation KP3335MJ                   | Received               |  |
| Variation KP3335MJ                                   | Determined             | Response dates for improvement conditions reference 1 and 4 revised. Typographical errors amended. |
| Application for Variation KP3335MJ                   | Received 19/12/07      | Removal of Monitoring requirement for emergency vent A1.   |
| Variation MP3630XG Determined                        | 30/09/2008             |  |

End of introductory Note



## Variation Notice

Permit number

**BV4665IG**

Variation Notice number

**MP3630XG**

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**

to operate an installation at

**North Tyne Process Plant**

**Hayhole Road**

**North Shields**

**Tyne and Wear**

**NE29 6DY**

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

This Notice shall take effect from *1<sup>st</sup> October 2008 at 00.01 hours.*

Signed

Date

|  |                              |
|--|------------------------------|
| Handwritten signature of G. Donachie in cursive. | 1 <sup>st</sup> October 2008 |
|--|------------------------------|

Dr G. Donachie (PPC Team Leader)

Authorised to sign on behalf of the Environment Agency

**SCHEDULE 1 - CONDITIONS TO BE DELETED**

1. All previous conditions, Tables and Schedules of Permit BV4665IG shall be deleted.

**SCHEDULE 2 - CONDITIONS TO BE AMENDED**

2. None

**SCHEDULE 3 - CONDITIONS TO BE ADDED**

3. The following Conditions, Tables and Schedules shall be added to the Permit:

# 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").

### **2.2 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 2 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
  - 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

| <b>Table S1.1 activities</b>  |  |  |
|---|--|--|
| <b>Activity listed in Schedule 1 of the PPC Regulations</b>           | <b>Description of specified activity</b>   | <b>Limits of specified activity</b>  |
| 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.  |
| <b>Directly Associated Activity</b>                                   |  |  |
| <i>Directly associated activity</i>                                   | Combustion unit for heat (thermal transfer fluid) supply ( Boiler 2). Rated thermal input 1.5MW, and incineration of process and tank vent gases.<br><i>Gas oil is used as standby fuel.</i> | Fuel systems, air supply systems, boiler, stack devices and systems for controlling operations, recording and monitoring.  |
| <i>Directly associated activity</i>                                   | Combustion unit for heat (thermal transfer fluid) supply in a boiler ( Boiler 1) with rated thermal input 1MW  | Fuel systems, air supply systems, boiler, stack devices and systems for controlling operations, recording and monitoring.  |
| <i>Directly associated activity</i>                                   | Handling and storage of raw materials  | Unloading bulk road tankers and transfer to tank farm, transfer from tank farm to distillation unit (kettle) feed tank. Handling and storage of entrainers or additives used to control pH, anti-oxidants, stabilisers in distillation unit. |
| <i>Directly associated activity</i>                                   | Handling and storage of recovered (product) solvents   | Transfer from distillation unit to tank farm, loading of bulk road tankers from tank farm or distillation unit.  |
| <i>Directly associated activity</i>                                   | Handling and storage of waste solvents (aqueous phase, lights and residues)  | Transfer from distillation unit to tank farm, loading of bulk road tankers from tank farm or distillation unit.  |
| <i>Directly associated activity</i>                                   | Air emissions abatement through treatment in water spray scrubber.   | Abatement of major process vessel and distillation unit vents shall be centrally treated via boiler no 2 (as outlined above); if this route is unavailable abatement shall be via the water scrubber.  |

| <b>Table S1.2 Operating techniques</b>              |   |                                |
|---|---|--------------------------------|
| <b>Description</b>                                  | <b>Parts</b>  | <b>Date Received</b>           |
| 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 <sup>st</sup> 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 <sup>th</sup> December 2005 where waste is burned on boiler 2) | 14 <sup>th</sup> October 2005  |
| Additional Information                              | Schedule of acceptable wastes for recovery  | 25 <sup>th</sup> November 2005 |
| Application for Variation                           | Parts C2 to C4  | 19 <sup>th</sup> December 2007 |

| <b>Table S1.3 Improvement programme requirements</b> |                                   |             |
|--|-----------------------------------|-------------|
| <b>Reference</b>                                     | <b>Requirement</b>                | <b>Date</b> |
| n/a  | There is no improvement programme |             |

| <b>Table S1.4A Pre-operational measures</b> |                                 |
|---|---------------------------------|
| <b>Reference</b>                            | <b>Pre-operational measures</b> |
| n/a   |                                 |

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

| <b>Table S1.5 Appropriate measures for fugitive emissions</b> |              |
|---|--------------|
| <b>Measure</b>  | <b>Dates</b> |
| n/a   |              |

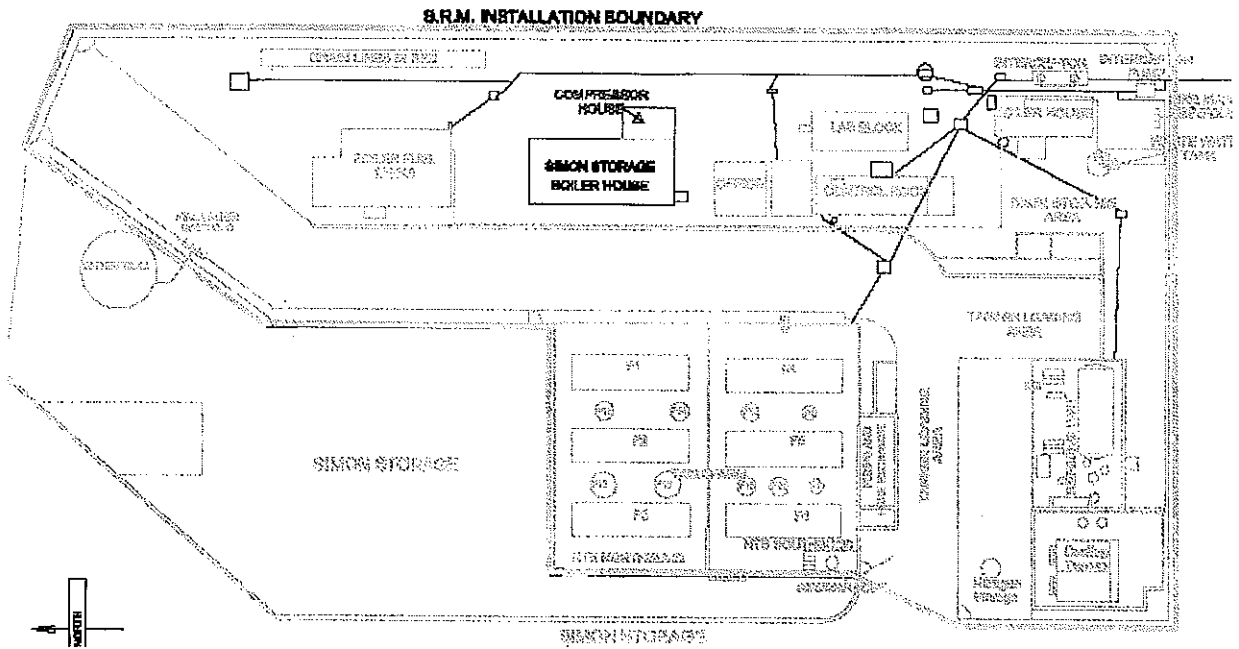
| <b>Table S1.6 Appropriate measures for litter</b> |              |
|---|--------------|
| <b>Measure</b>                                    | <b>Dates</b> |
| n/a   |              |

| <b>Table S1.7 Appropriate measures for mud</b> |              |
|--|--------------|
| <b>Measure</b>                                 | <b>Dates</b> |
| n/a  |              |

| <b>Table S1.8 Appropriate measures for odour</b> |              |
|--|--------------|
| <b>Measure</b>                                   | <b>Dates</b> |
| n/a  |              |

| <b>Table S1.9 Appropriate measures for noise</b> |              |
|--|--------------|
| <b>Measure</b>                                   | <b>Dates</b> |
| n/a  |              |

# Schedule 2 - Site plan



- Note 1: Area edged in blue does not form part of the Permitted Installation.
- Note 2: Transfer pipelines to the storage depot outside the Installation boundary are not included within the Installation boundary.
- Note 3: Domestic effluent systems are not included in the Installation boundary



# Schedule 3 - Waste types, raw materials and fuels

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

| Raw materials and fuel description                                 | Specification  |
|--|--|
| 2500 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 <sup>st</sup> January 2008 unless otherwise agreed in writing by the Agency.<br><br>Boiler 2 only. |

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

| 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 |
|--|-----------|---|------------------------|------------------|----------------------|-------------------------------|
| A1 Scrubber Point A1 on site plan in Appendix 2.3 of Application     | n/a       | Process vessel and tank farm vents              | n/a                    | n/a              | n/a                  | n/a.                          |
| A2 Boiler stack Point A2 on site plan in Appendix 2.3 of Application | n/a       | Combustion flue gases from the Combustion units | 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 |
|--|------------------------|---|--------------------|--|--|-------------------------------|
| W1 shown on plan in Appendix 2.3 of the Application. To River Tyne | Chemical Oxygen Demand | Cooling water blowdown; site surface water. | 2000 mg/l          | Batchwise for site surface water and monthly spot for cooling water blowdown | Batchwise for site surface water and monthly spot for cooling water blowdown | ISO 6060:1989                 |
| W1 shown on plan in Appendix 2.3 of the Application. To River Tyne | Suspended Solids       | Cooling water blowdown; site surface water. | 60 mg/l            | Batchwise for site surface water and monthly spot for cooling water blowdown | Batchwise for site surface water and monthly spot for cooling water blowdown | BS EN 1484:1997               |

**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 |
|--------------------------------|-----------|--------|--------------------|------------------|----------------------|-------------------------------|
| n/a                            |           |        |                    |                  |                      |                               |

**Table S4.4 Annual limits**

| Substance              | Medium | Limit (including unit) |
|------------------------|--------|------------------------|
| Chemical Oxygen Demand | water  | 30000kg                |
| Suspended Solids       | Water  | 60kg                   |

**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<br>Parameters as required by condition 3.6.1.        | n/a                                    | n/a              | n/a           |
| Emissions to water<br>Parameters as required by condition 3.6.1       | W1                                     | Every 6 months   | Oct 2005      |
| Noise monitoring<br>Parameters as required by condition 3.6.1         | n/a                                    | n/a              | n/a           |
| Ambient air monitoring<br>Parameters as required by condition 3.6.1   | n/a                                    | n/a              | n/a           |
| Surface water monitoring<br>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 boiler 2 | (tonnes) |

| Table S5.3 Performance parameters  |                         |                            |
|--|-------------------------|----------------------------|
| Parameter  | Frequency of assessment | Units                      |
| Energy Consumption   | Annually                | MWh/t of recovered product |
| Emission Point A1 usage (operational time of emission point A1 compared to total operational time of the installation) | Annually                | %                          |

| Table S5.4 Reporting forms   |   |              |
|------------------------------|---|--------------|
| Media/parameter              | Reporting format  | Date of form |
| Air                          | n/a   | n/a          |
| Water                        | Form water 1 or other form as agreed in writing by the Agency       | October 2005 |
| Water 2                      | n/a   |              |
| Water usage                  | Form water usage1 or other form as agreed in writing by the Agency  | October 2005 |
| Waste Return                 | Form wr1 or other form as agreed in writing by the Agency           | October 2005 |
| Energy usage                 | Form energy 1 or other form as agreed in writing by the Agency      | October 2005 |
| Other performance indicators | Form performance 1 or other form as agreed in writing by the Agency | 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.

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

|                                       |  |
|---------------------------------------|--|
| <b>Permit Number</b>                  |  |
| <b>Name of operator</b>               |  |
| <b>Location of Installation</b>       |  |
| <b>Time and date of the detection</b> |  |

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

To be notified within 24 hours of detection

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

(b) Notification requirements for the breach of a limit

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

|  |  |
|--|--|
| <b>Emission point reference/ source</b>                              |  |
| <b>Parameter(s)</b>  |  |
| <b>Limit</b>   |  |
| <b>Measured value and uncertainty</b>                                |  |
| <b>Date and time of monitoring</b>                                   |  |
| <b>Measures taken, or intended to be taken, to stop the emission</b> |  |

| <b>Time periods for notification following detection of a breach of a limit</b> |                            |
|---|----------------------------|
| <b>Parameter</b>  | <b>Notification period</b> |
|   |                            |
|   |                            |
|   |                            |

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

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

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

|                  |  |
|------------------|--|
| <b>Name*</b>     |  |
| <b>Post</b>      |  |
| <b>Signature</b> |  |
| <b>Date</b>      |  |

\* authorised to sign on behalf of 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.

"*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.

"*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.

"*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 – North Tyne**  
**Acceptable Waste List BV4665IG**



| 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   | Wastes of liquid fuels   |
| 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 – North Tyne  
Acceptable Waste List BV4665IG*



| 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                        | Gases in pressure containers and discarded chemicals  |
| 16 05 08* | Discarded organic chemicals consisting of or containing dangerous substances |   |
| 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 (C<sub>7</sub>H<sub>8</sub>) 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 (C<sub>1</sub>) and ethanol (C<sub>2</sub>) as well as various mixes of the two are commonly used as fuels. Propanol (C<sub>3</sub>) is commonly used in fuels both as a calorific contributory and for its properties as an anti-hydrolock substance. Butanol Fuel (C<sub>4</sub>) 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:

|  |          |
|--|----------|
| <b>Total Halogens expressed as chlorine:</b> | <500 ppm |
| <b>Ash @ 850°C:</b>                          | <500 ppm |
| <b>Total Heavy Metals:</b>                   | <10 ppm  |
| <b>Sulphur:</b>                              | <250ppm  |

**SRM**

**21<sup>st</sup> December 2006**