



**ENVIRONMENT
AGENCY**

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Morecambe Solvent Management

Solvent Resource Management Ltd
Middleton Road
Morecambe
Lancashire
LA3 3JW

Permit number
BL7302ID

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Introductory note

This introductory note does not form a part of the Permit

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No.1973), as amended, ("the PPC Regulations") to operate an installation carrying out activities covered by the description in Sections 5.4 Part A(1)(a) and 5.3 Part A(1)(b) supported by Section 1.1 Part A(1)(b)(iii), in Part 1 to Schedule 1 of the PPC Regulations, to the extent authorised by the Permit:

Section 5.4 A(1)(a) - The recovery by distillation of oil or solvent, with the following directly associated activities;
Section 5.3 Part A(1)(b) the disposal of waste oils in a facility with a capacity of more than 10 tonnes per day, through the blending and mixing of recovered oils, and
Section 1.1 Part A(1)(b)(iii) burning of fuel manufactured from, or comprising, any other waste in an appliance with a rated thermal input of 3MW or more but less than 50MW through the operation of boilers (combustion units) for steam generation.

Aspects of the operation of the installation which are not regulated by conditions of the Permit are subject to the condition implied by Regulation 12(10) of the PPC Regulations, i.e. the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the Permitted Installation.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

In some sections of the Permit conditions require the Operator to use Best Available Techniques (BAT), in each of the aspects of the management of the Permitted Installation, to prevent and where that is not practicable to reduce emissions. The conditions do not explain what is BAT. In determining BAT, the Operator should pay particular attention to relevant sections of the IPPC Sector guidance, appropriate Horizontal guidance and other relevant guidance.

A non-technical description of the Permitted Installation is given in the Application, but the main features of the Permitted Installation are as follows.

The Permit allows Solvent Resource Management Limited (SRM Ltd) to operate a process for the recovery of solvent by distillation. The Installation (which is a top tier COMAH site) is situated to the south of Morecambe, between Middleton and Heysham in Lancashire (centred on national grid reference SD 415 595). To the north and west of the 4.9hectare site is Heysham Golf Course, to the south lies disused land, and to the east there is a mobile home park. The wider area to the south and east is dominated by agricultural land, to the west is the Irish Sea and to the north is the village of Heysham.

Waste is accepted at the Installation either in moveable containers such as drums, kegs and IBCs, or from road tanker delivery. The moveable containers are stored ready for processing, and the tanker deliveries are transferred directly to storage or blending tanks. All of the drums are processed through one of two drum handling plants, depending on the nature of the material for recovery. Drum handling plant 1 is for mobile liquids, and drum handling plant 2 is for solids/waxes. There is also an Oil Filter Plant to recover materials from used/waste oil filters. The liquids recovered from the drum handling plants are then transferred back to storage in readiness for processing or blending.

Solvents containing solids are processed in a thin surface evaporator unit (LUWA), where a thin film of the liquid is spread over a heating surface. The thin film falls by gravity down the heated walls of the evaporator, with the vapours leaving the top where they are condensed and transferred to tanks as either products or for further treatment. The residues pass out of the bottom of the evaporator and are transferred to tankage for further treatment.

Solvent liquids are processed in the three distillation plants (distillation plant 1, 2 & 4), depending on the nature of the material and the product specifications. The distillation plants vary in capacity and boil up rates, and each consist of a still, distillation column and a condenser system (currently distillation plant 2 is non-operational). The recovered solvents are either returned to the customer, sold on the open market or used to produce distillate fuel. In addition to recycling materials by distillation the site also manufactures Secondary Liquid Fuels for use in cement kilns. The largest output (over 90%) from the Installation is

Secondary Liquid Fuel, which is formulated directly from incoming materials being blended together, and/or blended with waste arisings from other process operations at the Installation. Secondary Liquid Fuel is manufactured to agreed specifications and is only supplied to authorised users off site.

The blending plant is fed from bulk tankers, drum handling plants, storage tanks and distillation residue tanks. The plant consists of three bunded blending areas containing blending tanks and "quarantine" tanks, and a further bunded area for storage and feed tanks. The blending tanks are re-circulated to aid blending and to ensure fine solids remain in suspension. The "quarantine" tanks are used to hold materials undergoing laboratory analysis work.

The onsite boiler plant provides steam for use in the distillation and evaporation processes, and for providing heating to certain on site tanks, as well as providing space heating for the office blocks. The boiler plant consists of two combustion units (duty and standby) with a rated thermal input of 3.8MW each. Combustion Unit 1 is fired on recovered solvent fuel (deemed to be a waste) controlled to a specification, and once a temperature of 850°C is reached in the main body of the furnace, aqueous waste from the process and waste water is introduced for incineration. Combustion Unit 1 is defined as a co-incinerator under the Waste Incineration Directive. Combustion Unit 2 is fired on none waste fuels e.g. gas oil. A separate gas oil fired unit (rated thermal input of 0.47MW) provides heat for the hot oil system for use in distillation plants 4.

Emissions to air are predominantly combustion gases such as carbon dioxide, carbon monoxide, oxides of nitrogen and sulphur dioxide, from the boilers and volatile organic compounds from the drum handling plant abatement systems. Emissions to controlled water (Irish Sea at Morecambe Bay) are from surface waters. Emissions are monitored continuously or at agreed intervals as appropriate. There are no direct emissions to land or sewer.

SRM Ltd operates an environmental management system that is accredited to ISO 14001.

Several Natura 2000 sites are within a 10km radius of the site, the nearest being Morecambe Bay, (which is a Special Protection Area, Special Area of Conservation, Ramsar and Site of Special Scientific Interest) some 1.4 km south west of the site. Heysham Moss Site of Special Scientific Interest is located 1.2km northeast and the Lune Estuary Site of Special Scientific Interest is 3.5km south. The Agency considers that the operation of the Installation is unlikely to have an adverse effect on any Natura 2000 sites and is unlikely to have any adverse effects on any important ecological sites.

The Waste Incineration (England and Wales) Regulations 2002 (SI2002 No. 2980) (The WI Regulations) and the Pollution Prevention and Control (Waste Incineration Directive) (England and Wales) Direction 2002 together implement the requirements of the Waste Incineration Directive (Directive (EC 2000/76/EC) on the Incineration of Waste. The Installation regulated under this Permit contains an existing Waste Incineration Installation (as defined in the WI Regulations) in which the incineration of waste in a co-incineration plant is carried out. Conditions delivering the corresponding requirements of the relevant articles of the Waste Incineration Directive have been incorporated into this Permit.

Note that the Permit requires the submission of certain information to the Agency (see Sections 4 and 5). In addition, the Agency has the power to seek further information at any time under regulation 28 to the PPC Regulations provided that it acts reasonably.

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
Not applicable		

Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue
SRM Ltd (IPC Authorisation as varied)	AG9248	14/12/1992

Other activities may take place on the site of this installation which are not regulated under this Permit or any other PPC Permit referred to in the Table above.

Other existing Licences/Authorisations/Registrations relating to this site

Holder	Reference Number	Date of issue
Not applicable		

Public Registers

Considerable information relating to Permits including the Application is available on public registers in accordance with the requirements of the PPC Regulations. Certain information may be withheld from public registers where it is commercially confidential or contrary to national security.

Variations to the Permit

This Permit may be varied in the future (by the Agency serving a Variation Notice on the Operator). If the Operator itself wants any of the Conditions of the Permit to be changed, it must submit a formal Application. The Status Log within the Introductory Note to any such Variation Notice will include summary details of this 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 by the Operator. For the application to be successful, the Operator must be able to demonstrate to the Agency 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, an Application to transfer the Permit has to be made jointly by the existing and proposed holders. 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 Permitted Installation or will not comply with the conditions of the transferred Permit. If, however, the Permit authorises the carrying out of a specified waste management activity, the transfer will only be allowed if the proposed holder is also considered to be "a fit and proper person" as required by the PPC Regulations.

Talking to us

Please quote the Permit Number if you contact the Agency about this Permit.

To give a Notification under Condition 5.1.1, the Operator should use the Incident Hotline telephone number (0800 80 70 60) or any other number notified in writing to the Operator by the Agency for that purpose.

Status Log

Detail	Date	Response date
Application BL7302ID	Received 31/03/2005	
Additional Information (Schedule 4 response)	09/08/2005	Received 14/10/2005
Additional Information (Acceptable Waste Categories)		Received 25/11/2005
Additional Information (Specification of all fuels and wastes)		Received 14/12/05
Permit determined	21/12/05	

End of Introductory Note.

Permit
Pollution Prevention and Control
Regulations 2000



**ENVIRONMENT
AGENCY**

Permit

Permit number
BL7302ID

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations (SI 2000 No 1973), hereby authorises **Solvent Resource Management Limited** ("the Operator"),

Whose Registered Office is
**Hendon dock,
Sunderland,
Tyne and wear
SR1 2ES**

Company registration number **3890526**

to operate an Installation at
**Middleton Road,
Morecambe,
Lancashire
LA3 3JW**

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

Signed	Date

Mike Peacock, Strategic Permitting Group Team Leader, Warrington
Authorised to sign on behalf of the Agency

Conditions

1 General

1.1 Permitted activities

1.1.1 The Operator is authorised to carry out the activities and the associated activities specified in Table 1.1.1.

Table 1.1.1 Permitted activities

Activity listed in Schedule 1 of the PPC Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 5.4 A(1)(a) : Recovering by distillation of any oil or organic solvent.	Operation of the kettle, reboiler heat exchanger, distillation column and vent condensers, feed and product tanks.	From the receipt of material for processing, through the distillation and separation processes to the transfer of separated materials to storage or disposal.
Section 1.1 A(1)(b)(iii) : Burning any fuel manufactured from, or comprising any other waste in an appliance with rated thermal input of 3MW or more but less than 50MW	Production of steam for use in distillation processes, in a boiler with rated thermal input of 3.8MW.	Co-incineration of waste, from the evaluation and receipt of waste fuel, through to storage, on-site pre-treatment facilities, waste systems, fuel systems, air supply systems, boiler, stack devices and systems for controlling incineration operations, recording and monitoring incineration conditions.
Section 5.3 A(1)(b) : The disposal of waste oils other than by incineration or landfill in a facility with a capacity of more than 10 tonnes per day.	Operation of recovery plant for waste oil, including the formulation of Secondary Liquid Fuel by blending process residues with waste materials, and a recovery plant for waste oil filters	From receipt of raw materials, through sorting, size reduction, separation of components, storage of separated components for recycling, to blending and despatch of product.
Directly associated activity.	Combustion of fuel in a boiler with rated thermal input of 3.8MW for the production of steam for use in distillation processes. (Boiler is a standby for the main site boiler)	From receipt and storage of raw materials, through to burning of fuel and disposal/recovery of any waste.
Directly associated activity.	Handling and storage of raw materials	From raw material unloading of bulk road tankers or drums/IBCs to transfer to tank farm, and from tank farm to distillation unit feed tank. Handling and storage of entrainers or additives used to control pH, anti-oxidants, stabilisers etc in distillation unit.

Directly associated activity.	Handling and storage of recovered (product) solvents.	From transfer from distillation unit to tank farm, through subsequent blending to loading of bulk road tankers, IBC's or drums from tank farm or distillation unit.
Directly associated activity.	Handling and storage of wastes for disposal	From the production of waste materials through to storage of wastes, including contaminated materials.
Directly associated activity.	Air emissions abatement	Abatement equipment for Drum Handling Plant 1 (DHP1) – water scrubber. Abatement equipment for Drum Handling Plant 2 (DHP2) – carbon bed adsorption column

1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in red on the Site Plan at Schedule 5 to this Permit.

1.3 Overarching management condition

- 1.3.1 Without prejudice to the other conditions of this Permit, the Operator shall implement and maintain a management system, organisational structure and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.

1.4 Improvement programme

- 1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Agency within 14 days of the completion of each such requirement.

Table 1.4.1: Improvement programme

Reference	Requirement	Date
IC 1	The Operator shall develop an odour management plan, having regard to Environment Agency Horizontal Guidance H4. The plan shall as a minimum identify all potential sources of odour and options available to reduce or eliminate odour emissions from the Installation. A summary report shall be submitted in writing to the Agency, along with a timetable for the implementation of improvements identified.	01/07/2006
IC 2	The Operator shall undertake a period of monitoring emissions of oxides of nitrogen from the combustion units. Based on the monitoring data the Operator shall undertake an environmental impact assessment of emissions of oxides of nitrogen. On completion of the assessment, a summary report shall be submitted in writing to the Environment Agency, including a timetable for the implementation of any improvements identified.	01/10/2006
IC 3	The Operator shall review the adequacy and suitability of existing bund provision for storage tanks at the Installation, with respect to meeting the requirements of ensuring bund capacity is 110% of the largest tank or 25% of the total volume for liquids stored, whose spillage could be harmful to the environment. Particular attention shall be paid to the bunding of the North site Drum Storage area. A written report shall be provided to the Agency to include details of bunds, any deficiencies identified, the improvements proposed and the time scale for implementation.	01/07/2006

IC 4	The Operator shall undertake an assessment of the relevant methods and options for reducing VOC emissions from Drum Handling Plant No.1. On completion of the assessment, a summary report shall be submitted in writing to the Environment Agency, along with a timetable for the implementation of any improvements identified.	01/09/2006
IC 5	The Operator shall review the monitoring methods and techniques currently employed for periodic monitoring against the monitoring methods specified in Tables 2.2.2 and 2.2.5 and the provision of MCERTS accreditation for the equipment, personnel and organisations employed for the emissions monitoring program as defined in condition 2.10.1. On completion of the review the Operator shall submit a summary report in writing to the Agency, including justifications for any methods employed that differ from the methods specified in this Permit, along with a timetable for achieving the standard for any elements that are not MCERTS certified.	01/10/2006
IC 6	The Operator shall review the proposed operation of distillation system 2 (venting via emission point A2) having regard to the best available techniques outlined in Environment Agency Guidance Notes S5.06 and S4.01. On completion of the review, and prior to re-starting the plant, the Operator shall submit in writing a summary report demonstrating that the operation utilises the best available techniques.	3 months prior to re-commissioning plant 2, or as otherwise agreed in writing with the Environment Agency
IC7	The Operator shall calibrate and verify the performance of Continuous Emission Monitors for release points and parameters as specified in Table 2.2.2 to BS EN 14181 and submit a summary report to the Environment Agency as evidence of compliance with the requirements of BS EN 14181.	Report to be submitted to the Agency by 28/12/2006
IC8	The Operator shall undertake an options assessment of methods for monitoring emissions to air from Combustion Unit 1, with the view to eliminating or reducing any uncertainty factor in the emission limit values resulting from the addition of dilution air, prior to the monitoring of flue gas. On completion of the assessment, the Operator shall submit a summary report in writing to the Agency, along with a timetable for implementing any improvements identified.	01/06/2006
IC9	The Operator shall undertake monitoring for emission point W1 for the emissions of short chain chlorinated paraffins as specified in Table 2.10.1. Based on the monitoring results, the Operator shall undertake an environmental impact assessment for these emissions, and provide a report in writing to the Agency.	01/02/2007
IC10	The Operator shall undertake monitoring emissions from point W1 for the emissions of Mercury. Based on the monitoring results, the Operator shall undertake an environmental impact assessment for these emissions, and provide a report in writing to the Agency.	01/02/2007

1.4.2 Where the Operator fails to comply with any requirement by the date specified in Table 1.4.1 the Operator shall send written notification of such failure to the Agency within 14 days of such date.

1.5 Minor operational changes

1.5.1 The Operator shall seek the Agency's written agreement to any minor operational changes under condition 2.1.1 of this Permit by sending to the Agency: written notice of the details of the proposed change including an assessment of its possible effects (including waste production) on risks to the environment from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date.

- 1.5.2 Any such change shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended.
- 1.5.3 When the qualification "unless otherwise agreed in writing" is used elsewhere in this Permit, the Operator shall seek such agreement by sending to the Agency written notice of the details of the proposed method(s) or techniques.
- 1.5.4 Any such method(s) or techniques shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation using that method or technique, and relevant provisions in the Application and the Site Protection and Monitoring Programme, as the case may be shall be deemed to be amended.

1.6 Pre-operational conditions

- 1.6.1 There are no pre-operational conditions

1.7 Off-site conditions

- 1.7.1 There are no off-site conditions

2 Operating conditions

2.1 In-process Controls

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

Table 2.1.1: Operating techniques

Description	Parts	Date received
Application	The response to questions B2.1 and B2.2 of the Application Template, as given in section 2.1 to 2.6 (pages 25 to 43) of the Application.	31/03/05
Additional Information (Schedule 4 Notice response)	Responses to question 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 in Combustion Unit 1)	14/10/05
Additional Information	Acceptable Waste Categories schedule for recovery	25/11/05
Additional Information	Specification of all fuels and wastes	14/12/05

- 2.1.2 The Permitted Installation shall, subject to the other conditions of this Permit, be operated using the techniques and in the manner described in the Site Protection and Monitoring Programme submitted under condition 4.1.8 of this Permit (as amended from time to time under condition 4.1.8), or as otherwise agreed in writing by the Agency.
- 2.1.3 Only the wastes specified in Schedule 6 shall be incinerated in the Permitted Installation, subject to limitations, in quantities not exceeding those specified for the waste types specified in Table 2.1.2.

Table 2.1.2: Permitted Waste Types

Waste type	Limitations	Maximum throughput at specified location
Recovered Solvent Fuel – WT1	Specification of the recovered solvent fuel (WT1) to be controlled such that flue gas emissions resulting from its combustion, can not cause emissions other than those from gas oil, or a higher concentration of emissions than those resulting from the combustion of gas oil	Combustion Unit 1 – 5000 tonnes/year
Aqueous effluent – WT2	Aqueous waste contaminated with solvents, and waste solvents	Combustion Unit 1 – 10,000 tonnes/year

- 2.1.4 No condition applies.

- 2.1.5 No condition applies.
- 2.1.6 From the 28th December 2005, waste type WT2 shall not be charged to Combustion Unit 1, or shall cease to be charged, if the combustion chamber temperature is below, or falls below 850°C.
- 2.1.7 From the 28th December 2005, waste shall not be charged to Combustion Unit 1, or shall cease to be charged, if:
- any continuous emission limit value in Table 2.2.2 is exceeded, other than under abnormal operating conditions; or
 - monitoring results required to demonstrate compliance with any continuous emission limit value in Table 2.2.2 are unavailable other than during a period of abnormal operation.
- 2.1.8 From the 28th December 2005, the Operator shall record the beginning and end of each period of abnormal operation.
- 2.1.9 From the 28th December 2005, during a period of abnormal operation, the Operator shall restore normal operation of the failed equipment or replace the failed equipment as rapidly as possible.
- 2.1.10 From the 28th December 2005, where during abnormal operation, any of the following situations arise, the Operator, shall, as soon as practicable, cease the burning of waste until normal operation can be restored:
- continuous measurement shows that an emission exceeds any emission limit value in Table 2.2.2, or continuous emission monitor(s) are out of service, as the case may be, for a total of four hours uninterrupted duration;
 - the cumulative duration of abnormal operation periods over one calendar year exceeds 60 hours on a co-incineration line.
- 2.1.11 From the 28th December 2005, the Operator shall interpret the end of the period of abnormal operation as the earliest of the following:
- when the failed equipment is repaired and brought back into normal operation;
 - when the Operator initiates a shut-down of the waste combustion activity, as described in the Application;
 - when a period of 4 hours has elapsed from the start of the abnormal operation;
 - when, in any calendar year, an aggregated period of 60 hours abnormal operation has been reached for a given co-incineration line.
- 2.1.12 No condition applies.

2.2 Emissions

2.2.1 Emissions to air, (including heat, but excluding odour, noise or vibration) from specified points

- 2.2.1.1 This Part 2.2.1 of this Permit shall not apply to releases of odour, noise or vibration.
- 2.2.1.2 Emissions to air from the emission points in Table 2.2.1 shall only arise from the source(s) specified in that Table.

Table 2.2.1 : Emission points to air

Emission point reference or description	Source	Location of emission point
A1	Condenser vent on distillation plant 1	As identified on site plant in Appendix 2.6 of the Application
A2	Condenser vent on distillation plant 2	As identified on site plant in Appendix 2.6 of the Application
A3a	Condenser vent on distillation plant 4	As identified on site plant in Appendix 2.6 of the Application
A3b	Vacuum pump vent on distillation plant 4	As identified on site plant in Appendix 2.6 of the Application
A4	Chiller unit vent on LUWA evaporator	As identified on site plant in Appendix 2.6 of the Application
A5	Drum handling plant 1 (DHP1) liquid scrubber exhaust	As identified on site plant in Appendix 2.6 of the Application
A6	Drum handling plant 2 (DHP2) carbon scrubber exhaust	As identified on site plant in Appendix 2.6 of the Application
A7	Wanson hot oil heater stack	As identified on site plant in Appendix 2.6 of the Application
A8	Combustion unit 1 (CU1)	As identified on site plant in Appendix 2.6 of the Application
A9	Combustion unit 2 (CU2)	As identified on site plant in Appendix 2.6 of the Application
A10-A12	Cooling water tower	As identified on site plant in Appendix 2.6 of the Application

2.2.1.3 The limits for emissions to air for the parameter(s) and emission point(s) set out in Table 2.2.2 shall not be exceeded.

Table 2.2.2 : Emission limits to air and monitoring

Emission point reference	Parameter	Limit (including reference period) ¹	Monitoring frequency	Monitoring method
A1, A2, A3 and A4 Aggregated	Volatile Organic Compounds, Total Class A (as substances)	1,000 kg/year	Annual ¹⁰	
A1, A2, A3 and A4 Aggregated	Volatile Organic Compounds, Total Class B (as Carbon)	5,000 kg/year	Annual ¹⁰	
A5	Volatile Organic Compounds, Total Class A (as substances)	10,000 kg/year	Annual ¹⁰	
A5	Volatile Organic Compounds, Total Class B (as Carbon)	100,000 kg/year	Annual ¹⁰	
A6	Volatile Organic Compounds, Total Class A (as substances)	20mg/m ³ periodic over a minimum 1 hour period	Annual	BS EN 13649

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A6	Volatile Organic Compounds, Total Class B (as Carbon)	75mg/m ³ periodic over a minimum 1 hour period	Annual	BS EN 13649
A8	Particulate matter	18 mg/m ³ daily average ⁹	Continuous measurement	BS EN 13284-2 ^{7 6}
A8	Total Organic Carbon (TOC)	18 mg/m ³ daily average ⁹	Continuous measurement	BS EN 12619 ^{7 6}
A8	Total Organic Carbon (TOC)	36 mg/m ³ ½-hr average ⁹	Continuous measurement	BS EN 12619 ^{7 6}
A8	Hydrogen chloride	18 mg/m ³ periodic over minimum 1-hour period ⁹	Bi-annual	BS EN 1911
A8	Hydrogen fluoride	2 mg/m ³ periodic over minimum 1-hour period ⁹	Bi-annual	USEP Method 26/26A
A8	Carbon monoxide	90 mg/m ³ daily average ⁹	Continuous measurement	ISO 12039 ^{7 4}
A8	Carbon monoxide	180 mg/m ³ ½-hr average ⁹	Continuous measurement	ISO 12039 ^{7 4}
A8	Sulphur dioxide	50 mg/m ³ periodic over minimum 1-hour period ⁹	Bi-annual	BS 6069-4.1
A8	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	650 mg/m ³ daily average ⁹	Continuous measurement	ISO 10849 ^{7 5}
A8	Cadmium & thallium and their compounds (total) ²	0.06 mg/m ³ periodic over minimum 30 minute, maximum 8 hour period ⁹	Bi-annual	BS EN 14385
A8	Mercury and its compounds ²	0.06 mg/m ³ periodic over minimum 30 minute, maximum 8 hour period ⁹	Bi-annual	BS EN 13211
A8	Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total) ²	0.6 mg/m ³ periodic over minimum 30 minute, maximum 8 hour period ⁹	Bi-annual	BS EN 14385
A8	Dioxins / furans (I-TEQ)	0.12 ng/m ³ periodic over minimum 6 hours, maximum 8 hour period ^{3 9}	Bi-annual	BS EN 1948

Note 1: See Section 6 for reference conditions

Note 2: Metals include gaseous, vapour and solid phases as well as their compounds (expressed as the metal or the sum of the metals as specified). Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V mean antimony, arsenic, lead, chromium, cobalt, copper, manganese, nickel and vanadium respectively.

Note 3: The I-TEQ sum of the equivalence factors to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum.

Note 4 : The Continuous Emission Monitors used shall be such that the values of the 95% confidence intervals of a single measured result at the daily emission limit value shall not exceed 10%. Valid half-hourly average values shall be determined within the effective operating time (excluding the start-up and shut down periods if no waste is being incinerated) from the measured values after having subtracted this value of the confidence interval (10%). Where it is necessary to calibrate or maintain the monitor and this means that data is not available for a complete half-hour period, the half-hourly average shall nonetheless be considered valid if measurements are available for a minimum of 20 minutes during the half-hour period. (The number of half-hourly averages so validated shall not exceed 5 per day). Daily average values shall be determined as the average of all the valid half-hourly average values within a calendar day. The daily average value will be considered valid if no more than five half-hourly average values in any day have been determined not to be valid. No more than ten daily average values per year shall be determined not to be valid.

Note 5 : As Note 4, except that the value of the confidence interval is 20% in place of 10%.

Note 6 : As Note 4, except that the value of the confidence interval is 30% in place of 10%.

Note 7 : MCERTS certification to the appropriate ranges and determinands is a demonstration of compliance to the applicable standards.

Note 8 : The certification range for MCERTS equipment should be 1.5 times the daily emission limit value.

Note 9 : Emission limits apply from the first time on or after the 28th December 2005 where waste is burned in Combustion Unit 1.

Note 10 : Demonstration of compliance through mass balance or other suitable surrogate method agreed in writing with the Environment Agency.

2.2.1.4 Total emissions to air from emission point(s) set out in Table 2.2.1 in any year of a substance listed in Table 2.2.3 shall not exceed the relevant limit in that Table.

Table 2.2.3 Annual limits

Substance	Limit - kg
Volatile Organic Compounds	125,000

2.2.2 Emissions to water (other than groundwater), including heat, from specified points

2.2.2.1 This Part 2.2.2 of this Permit shall not apply to releases of odour, noise or vibration or to releases to groundwater.

2.2.2.2 Conditions 2.2.2.3 - 2.2.2.6 shall not apply to emissions to sewer.

2.2.2.3 Emissions to water from the emission point(s) specified in Table 2.2.4 shall only arise from the source(s) specified in that Table

Table 2.2.4: Emission point to water

Emission point reference or description	Source	Receiving water
W1 Sea outfall connection adjacent to site weighbridge / entrance	Boiler blowdown from combustion units 1 and 2; cooling water blowdown; surface water drainage from North and South sites.	Irish Sea

2.2.2.4 The limits for the emissions to water for the parameter(s) and emission point set out in Table 2.2.5 shall not be exceeded.

2.2.2.5 Where a substance is specified in Table 2.2.5 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration

Table 2.2.5 : Emission limits to water and monitoring

Emission point reference	Parameter	Limit (including reference period)	Monitoring frequency	Monitoring method
W1	Flowrate	1 megalitre/day	Continuous	BS 3680
W1	Chemical Oxygen Demand	7000mg/l spot sample	Daily	BS 6060:1989
W1	pH range	5-9 spot sample	Daily	BS 1647-2:1984
W1	Cadmium	10 µg/l spot sample	Daily	BS 6068-2.89
W1	Chromium	100 µg/l spot sample	Daily	BS 6068-2.60
W1	Copper	300 µg/l spot sample	Daily	BS 6068-2.60
W1	Lead	250 µg/l spot sample	Daily	BS 6068-2.60
W1	Nickel	100 µg/l spot sample	Daily	BS 6068-2.60
W1	Zinc	1000 µg/l spot sample	Daily	BS 6068-2.60
W1	1,2 Dichloroethane	300 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997
W1	Trichloroethylene	100 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997
W1	Chloroform	1000 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997
W1	Tetrachloroethylene	350 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997
W1	Trichlorobenzene	5 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997
W1	Carbon tetrachloride	500 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997
W1	Pentachlorophenol	10 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997

W1	Dichloromethane	2000 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997
W1	1,1,1 Trichloroethane	100 µg/l Flow proportional composite of daily samples	Monthly	BS EN 10301 :1997

2.2.2.6 Total emissions to water in any year of a substance listed in Table 2.2.6 shall not exceed the relevant limit in that Table

Table 2.2.6 Annual emission limits

Substance	Limit - kg
Cadmium	0.3
Chromium	3
Copper	10
Lead	8
Nickel	3
Zinc	30
1,2 Dichloroethane	10
Trichloroethylene	3
Chloroform	25
Tetrachloroethylene	1
Trichlorobenzene	0.1
Carbon tetrachloride	10
Dichloromethane	45
Pentachlorophenol	0.3
1,1,1 Trichloroethane	3

Emissions to sewer

2.2.2.7 No emission from the Permitted Installation shall be made to sewer.

2.2.3 Emissions to groundwater

2.2.3.1 No emission from the Permitted Installation shall give rise to the introduction into groundwater of any substance in List I (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).

2.2.3.2 No emission from within the Permitted Installation shall give rise to the introduction into groundwater of any substance in List II (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)) so as to cause pollution (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).

2.2.3.3 For substances other than those in List I or II (as defined in the Groundwater Regulations 1998 (SI 1998 No.2746)), the Operator shall use BAT to prevent or where that is not practicable to reduce emissions to groundwater from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application.

2.2.4 Fugitive emissions of substances to air

2.2.4.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to air from the Permitted Installation in particular from:

- storage areas
- buildings
- pipes, valves and other transfer systems
- open surfaces

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5 Fugitive emissions of substances to water and sewer

2.2.5.1 Subject to condition 2.2.5.2 below, the Operator shall use BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to water (other than Groundwater) and sewer from the Permitted Installation in particular from:

- all structures under or over ground
- surfacing
- bunding
- storage areas

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5.2 There shall be no release to water that would cause a breach of an EQS established by the UK Government to implement the Dangerous Substances Directive 76/464/EEC.

2.2.6 Odour

2.2.6.1 the Operator shall use BAT so as to prevent or where that is not practicable to reduce odorous emissions from the Permitted Installation, in particular by:

- limiting the use of odorous materials
- restricting odorous activities
- controlling the storage conditions of odorous materials
- controlling processing parameters to minimise the generation of odour
- optimising the performance of abatement systems
- timely monitoring, inspection and maintenance
- employing, where appropriate, an approved odour management plan

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.7 Emissions to land

2.2.7.1 This Part 2.2.7 of this Permit shall not apply to emissions to groundwater.

2.2.7.2 No emission from the Permitted installation shall be made to land.

2.2.8 Equivalent parameters or technical measures

- 2.2.8.1 The Operator shall comply with the requirements specified in Table 2.2.11, which supplement or replace emission limit values in accordance with Regulation 12(8) of the PPC Regulations.

Table 2.2.11 Equivalent parameters and technical measures

Parameter or measure	Requirement or description of measure, and frequency if relevant
Fuel specification	Waste shall not be burned in Combustion Unit 2.
Combustion Unit 1 feed specification	When burning waste the feed specification of recovered distillate fuel and aqueous waste shall be limited to the maximum specifications detailed in the Specification of all Fuels and Wastes
Control of discharge through W1	Continuous monitoring of Total Organic Carbon and pH of discharge collection tank shall be maintained together with an alarm system to warn of unusual values

2.3 Management

- 2.3.1 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

Training

- 2.3.2 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.3.3 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to carry out their duties.
- 2.3.4 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training.

Maintenance

- 2.3.5 All plant and equipment used in operating the Permitted Installation, the failure of which could lead to an adverse impact on the environment, shall be maintained in good operating condition.
- 2.3.6 The Operator shall maintain a record of relevant plant and equipment covered by condition 2.3.5 and for such plant and equipment:
- 2.3.6.1 a written or electronic maintenance programme; and
 - 2.3.6.2 records of its maintenance.

Incidents and complaints

- 2.3.7 The Operator shall maintain and implement written procedures for:
- 2.3.7.1 taking prompt remedial action, investigating and reporting actual or potential non-compliance with operating procedures or emission limits;
 - 2.3.7.2 investigating incidents, (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short term and long term remedial measures and near misses) and prompt implementation of appropriate actions; and

- 2.3.7.3 ensuring that detailed records are made of all such actions and investigations.
- 2.3.8 The Operator shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any actions taken.

2.4 Efficient use of raw materials

- 2.4.1 The Operator shall -
 - 2.4.1.1 maintain the raw materials table or description submitted in the Application and in particular consider on a periodic basis whether there are suitable alternative materials to reduce environmental impact;
 - 2.4.1.2 carry out periodic waste minimisation audits and water use efficiency audits. If such an audit has not been carried out in the 2 years prior to the issue of this Permit, then the first such audit shall take place within 2 years of its issue. The methodology used and an action plan for increasing the efficiency of the use of raw materials or water shall be submitted to the Agency within 2 months of completion of each such audit and a review of the audit and a description of progress made against the action plan shall be submitted to the Agency at least every 4 years thereafter; and
 - 2.4.1.3 ensure that incoming water use is directly measured and recorded.

2.5 Waste Storage and Handling

- 2.5.1 The Operator shall design, maintain and operate all facilities for the storage and handling of waste on the Permitted installation such that there are no releases to water or land during normal operation and that emissions to air and the risk of accidental release to water or land are minimised.
- 2.5.2 No condition applies.

2.6 Waste recovery or disposal

- 2.6.1 Waste produced at the Permitted Installation shall be:
 - 2.6.1.1 recovered to no lesser extent than described in the Application; and
 - 2.6.1.2 where not recovered, disposed of while avoiding or reducing any impacts on the environment provided always that this is not done in any way that would have a greater effect on the environment than that described in the Application.
- 2.6.2 The Operator shall maintain the waste recovery or disposal table submitted in Section 2.11 of the Application and in particular review the available options for waste recovery and disposal for the purposes of complying with condition 2.6.1 above.

2.6.3 The Operator shall maintain and implement a system which ensures that a record is made of the quantity, composition, origin, destination (including whether this is a recovery or disposal operation) and where relevant removal date of any waste that is produced at the Permitted Installation.

2.6.4 The Operator shall maintain a system which ensures that a record is made of the quantity, composition, origin and delivery date of any waste that is received for disposal or recovery at the Permitted Installation.

2.7 Energy efficiency

2.7.1 The Operator shall produce a report on the energy consumed at the Permitted Installation over the previous calendar year, by 31 January each year, providing the information required by condition 4.1.2.

2.7.2 The Operator shall maintain and update annually an energy management system which shall include, in particular, the monitoring of energy flows and targeting of areas for improving energy efficiency.

2.7.3 The Operator shall design, maintain and operate the Permitted Installation so as to secure energy efficiency, taking into account relevant guidance including the Agency's Energy Efficiency Horizontal Guidance Note as from time to time amended. Energy efficiency shall be secured in particular by:

- ensuring that the appropriate operating and maintenance systems are in place;
- ensuring that all plant is adequately insulated to minimise energy loss or gain;
- ensuring that all appropriate containment methods, (e.g. seals and self-closing doors) are employed and maintained to minimise energy loss;
- employing appropriate basic controls, such as simple sensors and timers, to avoid unnecessary discharge of heated water or air;
- where building services constitute more than 5% of the total energy consumption of the Permitted Installation, identifying and employing the appropriate energy efficiency techniques for building services, having regard in particular to the Building services part of the Agency's Energy Efficiency Horizontal Guidance Note H2; and

maintaining and implementing an energy efficiency plan which identifies energy saving techniques that are applicable to the activities and their associated environmental benefit and prioritises them, having regard to the appraisal method in the Agency's Energy Efficiency Horizontal Guidance Note H2.

2.8 Accident prevention and control

2.8.1 The Operator shall maintain and implement when necessary the accident management plan submitted in the Application. The plan shall be reviewed at least every 2 years or as soon as practicable after an accident, whichever is the earlier, and the Agency notified of the results of the review within 2 months of its completion.

2.9 Noise and vibration

- 2.9.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce emissions of noise and vibration from the Permitted Installation, in particular by:
- equipment maintenance, eg. of fans, pumps, motors, conveyors and mobile plant;
 - use and maintenance of appropriate attenuation, eg. silencers, barriers, enclosures;
 - timing and location of noisy activities and vehicle movements;
 - periodic checking of noise emissions, either qualitatively or quantitatively; and
 - maintenance of building fabric,
- provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.
- 2.9.2 Emergency alarms/ sirens shall only be tested between the hours of 10:00 and 17:00 Monday to Friday and not on any Public Holiday.

2.10 On-site monitoring

- 2.10.1 The Operator shall maintain and implement an emissions monitoring programme which ensures that emissions are monitored from the specified points, for the parameters listed in and to the frequencies and methods described in Tables 2.2.2 and 2.2.5 unless otherwise agreed in writing, and that the results of such monitoring are assessed. The programme shall ensure that monitoring is carried out under an appropriate range of operating conditions.
- 2.10.2 Where Continuous Emission Monitors are installed to comply with the monitoring requirements in Table 2.2.2, the Operator shall perform a QAL2 test as specified in BS EN 14181 at least every three years and when there are significant changes to either the process, the fuel used or to the CEMs themselves.
- 2.10.3 Where Continuous Emission Monitors are installed to comply with the monitoring requirements in Table 2.2.2, the Operator shall perform an Annual Surveillance Test (AST) at least annually, as specified within BS EN 14181.
- 2.10.4 The Operator shall carry out environmental or other specified substance monitoring to the frequencies and methods described in Table 2.10.1.

Table 2.10.1 : Other monitoring requirements

Emission point reference or source or description of point of measurement	Substance or parameter	Monitoring frequency	Monitoring method	Other specifications
A8	temperature	continuous ²	As described in the Application	
A8	pressure	continuous ²	As described in the Application	
A8	oxygen content	continuous ²	As described in the Application	
A8	water vapour content	continuous ²	As described in the Application	

Table 2.10.1 : Other monitoring requirements

Emission point reference or source or description of point of measurement	Substance or parameter	Monitoring frequency	Monitoring method	Other specifications
A8	Dioxin-like PCBs (WHO-TEQ ¹ Humans / Mammals)	Bi-annual periodic measurement, average value over sample period of between 6 and 8 hours.	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948)	
A8	Dioxin-like PCBs (WHO-TEQ ¹ Fish)	Bi-annual periodic measurement, average value over sample period of between 6 and 8 hours.	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948)	
A8	Dioxin-like PCBs (WHO-TEQ ¹ Birds)	Bi-annual periodic measurement, average value over sample period of between 6 and 8 hours.	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948)	
A8	Specific individual poly-cyclic aromatic hydrocarbons (PAHs) as specified in condition 6.1.1	Bi-annual periodic measurement, average value over sample period of between 6 and 8 hours.	Procedure shall use BS ISO 11338-1 and BS-ISO 11338-2.	
A8	Dioxins / furans (WHO-TEQ ¹ Humans / Mammals)	Bi-annual periodic measurement, average value over sample period of between 6 and 8 hours.	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948)	

Table 2.10.1 : Other monitoring requirements

Emission point reference or source or description of point of measurement	Substance or parameter	Monitoring frequency	Monitoring method	Other specifications
A8	Dioxins / furans (WHO-TEQ ¹ Fish)	Bi-annual periodic measurement, average value over sample period of between 6 and 8 hours.	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948)	
A8	Dioxins / furans (WHO-TEQ ¹ Birds)	Bi-annual periodic measurement, average value over sample period of between 6 and 8 hours.	To be determined utilising sampling and analytical techniques developed for dioxins/furans (BS EN 1948)	
W1	Short Chain Chlorinated Paraffins	Monthly		Flow proportionate composite of daily samples
Near inner wall of furnace on Combustion Unit 1	Temperature (° C)	Continuous ²	Traceable to National Standards	

Note 1: The TEQ sum of the equivalence factors to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum.

Note 2: Monitoring of specified parameters is required from the first time on or after the 28th December 2005 where waste is burned in Combustion Unit 1.

- 2.10.5 The Operator shall carry out monitoring of the process variable listed in Table 2.10.1 to the frequencies and methods described in that Table.
- 2.10.6 No condition applies.
- 2.10.7 The Operator shall notify the Agency at least 14 days in advance of undertaking monitoring and/ or spot sampling, where such notification has been requested in writing by the Agency.
- 2.10.8 The Operator shall maintain records of all monitoring taken or carried out (this includes 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.

- 2.10.9 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme in condition 2.10.1 of this Permit and the environmental or other monitoring specified in condition 2.10.4 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing. Newly installed CEMs or CEMs replacing existing CEMs, shall have MCERTS certification and have an MCERTS certified range which is not greater than 1.5 times the daily emission limit value (ELV) specified in Table 2.2.2, unless otherwise agreed in writing. The CEM shall also be able to measure instantaneous values over the ranges which are expected during all operating conditions, unless otherwise agreed in writing. If it is necessary to use more than one range setting of the CEM to achieve this requirement, the CEM shall be verified for monitoring supplementary, higher ranges.
- 2.10.10 There shall be provided:
- 2.10.10.1 safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2 to this Permit, unless otherwise specified in that Schedule; and
 - 2.10.10.2 safe means of access to other sampling/monitoring points when required by the Agency.
- 2.10.11 The Operator shall carry out the on-going monitoring identified in the Site Protection and Monitoring Programme submitted under condition 4.1.8, unless otherwise agreed in writing by the Agency.
- 2.10.12 No condition applies.

2.11 Closure and decommissioning

- 2.11.1 The Operator shall maintain and operate the Permitted Installation so as to prevent or minimise any pollution risk, including the generation of waste, on closure and decommissioning in particular by:-
- 2.11.1.1 attention to the design of new plant or equipment;
 - 2.11.1.2 the maintenance of a record of any events which have, or might have, impacted on the condition of the site along with any further investigation or remediation work carried out; and
 - 2.11.1.3 the maintenance of a site closure plan to demonstrate that the Permitted Installation can be decommissioned avoiding any pollution risk and returning the site of operation to a satisfactory state.
- 2.11.2 Notwithstanding condition 2.11.1 of this Permit, the Operator shall carry out a full review of the Site Closure Plan at least every 4 years.
- 2.11.3 The site closure plan shall be implemented on final cessation or decommissioning of the Permitted activities or part thereof.
- 2.11.4 The Operator shall give at least 30 days written notice to the Agency before implementing the site closure plan.

2.12 Multiple operator installations

- 2.12.1 This is not a multi-operator installation

2.13 Transfer to effluent treatment plant

- 2.13.1 No transfer from the Permitted Installation shall be made to effluent treatment plant.
- 2.13.2 No condition applies

3 Records

- 3.1 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:-
- 3.1.1 be made available for inspection by the Agency at any reasonable time;
 - 3.1.2 be supplied to the Agency on demand and without charge;
 - 3.1.3 be legible;
 - 3.1.4 be made as soon as reasonably practicable;
 - 3.1.5 indicate any amendments which have been made and shall include the original record wherever possible;
 - 3.1.6 be retained at the Permitted Installation, or other location agreed by the Agency in writing, for a minimum period of 4 years from the date when the records were made, unless otherwise agreed in writing; and
 - 3.1.7 where they concern the condition of the site of the Installation or are related to the implementation of the Site Protection and Monitoring Programme, be kept at the Permitted Installation, or other location agreed by the Agency in writing, until all parts of the Permit have been surrendered.

4 Reporting

- 4.1.1 All reports and written and or oral notifications required by this Permit and notifications required by Regulation 16 of the PPC Regulations shall be made or sent to the Agency using the contact details notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall, unless otherwise agreed in writing, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:-
- 4.1.2.1 in respect of the parameters and emission points specified in Table S2 to Schedule 2;
 - 4.1.2.2 for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in Table S3 to Schedule 3;
 - 4.1.2.3 giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - 4.1.2.4 to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall submit to the Agency a report on the performance of the Permitted Installation over the previous year, by 31 January each year, providing the information listed in Tables S4.1 and S4.2 of Schedule 4, assessed at any frequency specified therein, and using the form specified in Table S3 to Schedule 3.
- 4.1.4 No condition applies.
- 4.1.5 The Operator shall review fugitive emissions, having regard to the application of Best Available Techniques, on an annual basis, or such other period as shall be agreed in writing by the Agency, and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them within 3 months of the end of such period.
- 4.1.6 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 January in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.7 The Operator shall, within 6 months of receipt of written notice from the Agency, submit to the Agency a report assessing whether all appropriate preventive measures continue to be taken against pollution, in particular through the application of the best available techniques, at the installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice, and shall assess the costs and benefits of applying techniques described in that guidance, or otherwise identified by the Operator, that may provide environmental improvement.
- 4.1.8 The Operator shall, within three months of the date of this permit, submit a detailed Site Protection and Monitoring Programme, in accordance with and using the appropriate template format given in the Land Protection Guidance. The Operator shall implement and maintain the Site Protection and Monitoring Programme (SPMP) submitted under this condition, and shall carry out regular reviews of it at a minimum frequency of every 2 years. The results of such reviews and any changes made to the SPMP shall be reported to the Agency within 1 month of the review or change.
- 4.1.9 No condition applies.

5 Notifications

- 5.1.1 The Operator shall notify the Agency **without delay** of:-
- 5.1.1.1 the detection of an emission of any substance, which exceeds any limit or criterion in this Permit, specified in relation to the substance;
 - 5.1.1.2 the detection of any fugitive emission, which has caused, is causing or may cause significant pollution;
 - 5.1.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause significant pollution; and
 - 5.1.1.4 any accident, which has caused, is causing or has the potential to cause significant pollution.
 - 5.1.1.5 any incident which has led to a period of abnormal operation of incineration or co-incineration plant as defined in Section 6 Interpretation.
- 5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1, by sending:-
- 5.1.2.1 the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
 - 5.1.2.2 the more detailed information listed in Part B of that Schedule as soon as practicable thereafter;
 - 5.1.2.3 for notification of incidents of abnormal operations under condition 5.1.1.5, only the information listed in Part C of that Schedule;
- and such information shall be in accordance with that Schedule.
- 5.1.3 The Operator shall give written notification as soon as practicable prior to any of the following:-
- 5.1.3.1 permanent cessation of the operation of part or all of the Permitted Installation;
 - 5.1.3.2 cessation of operation of part or all of the Permitted Installation for a period likely to exceed 1 year; and
 - 5.1.3.3 resumption of the operation of part or all of the Permitted Installation after a cessation notified under condition 5.1.3.2.
- 5.1.4 The Operator shall notify the Agency, as soon as reasonably practicable, of any information concerning the state of the Site which adds to that provided to the Agency as part of the Application or to that in the Site Protection and Monitoring Programme submitted under condition 4.1.7 of this Permit.
- 5.1.5 The Operator shall notify the following matters to the Agency in writing within 14 days of their occurrence:-
- 5.1.5.1 where the Operator is a registered company:-
 - any change in the Operator's trading name, registered name or registered office address;
 - 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)
 - any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up;
 - 5.1.5.2 where the Operator is a corporate body other than a registered company:
 - any change in the Operator's name or address;
 - any steps taken with a view to the dissolution of the Operator.

Notifications

- 5.1.5.3 In any other case: -
- the death of any of the named Operators (where the Operator consists of more than one named individual);
 - any change in the Operator's name(s) or address(es);
 - any steps taken with a view to the Operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership;
- 5.1.6 Where the Operator has entered into a Climate Change Agreement with the Government, the Operator shall notify the Agency within one month of:-
- 5.1.6.1 a decision by the Secretary of State not to re-certify that Agreement.
- 5.1.6.2 a decision by either the Operator or the Secretary of State to terminate that agreement.
- 5.1.6.3 any subsequent decision by the Secretary of State to re-certify such an Agreement.
- 5.1.7 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:-
- 5.1.7.1 a decision by the Operator to withdraw from or the Secretary of State to terminate that agreement.
- 5.1.7.2 a failure to comply with an annual target under that Agreement at the end of the trading compliance period.
- 5.1.8 The Operator shall notify the Agency in writing, of any known or planned introduction or material emission from the permitted installation to water or sewer, that may increase the concentration of any "dangerous substance", as defined in List I and List II of the Dangerous Substances Directive, 76/464/EEC, and its daughter directives.

6 Interpretation

6.1.1 In this Permit, the following expressions shall have the following meanings:-

"Abatement equipment" means that equipment dedicated to the removal of polluting substances from releases from the Installation to air or water media.

"Abnormal operation" means any technically unavoidable stoppages, disturbances, or failures of the abatement plant or the measurement devices, during which the concentrations in the discharges into air and the purified waste water of the regulated substances may exceed the normal emission limit values. It includes the time taken for the plant to stabilise after the repair or replacement has been carried out. For the purposes of this Installation "Abnormal operation" relates to the operation of Combustion Unit 1.

"Annual release" means the total release during any calendar year commencing 1 January.

"Annually" for reporting/sampling means after/during each year and, when sampling, with at least 4 months between each sampling date.

"Application" means the application for this Permit, together with any response to a notice served under Schedule 4 to the PPC Regulations and any operational change agreed under the conditions of this Permit.

"APC residues" means air pollution control residues.

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

- water supplied to the site; or
- where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
- where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation on to the site.

"BAT" means best available techniques means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the environment as a whole. For these purposes: "available techniques" means "those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to the operator"; "best" means "in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole" and "techniques" "includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned". In addition, Schedule 2 of the PPC Regulations has effect in relation to the determination of BAT.

"Bi-annual" or "6 monthly" means twice per year with at least five months between tests.

"CEM" means Continuous emission monitor.

"CEN" means Comité Européen de Normalisation.

"Chemical Oxygen Demand" means chemical oxygen demand from a settled sample determined in the presence of acidified potassium dichromate.

"Class A or Class B" in relation to volatile organic compounds is as defined in Agency Guidance for Speciality Organic Chemicals S4.02, Appendix 3.

Interpretation

"*Co-incineration line*" means all of the co-incineration equipment related to a common discharge to air location.

"*Commissioning*" relates to the period after construction has been completed or when a modification has been made to the plant or the raw materials when the Permitted Installation process is being tested and modified to operate according to its design.

"*Compliance Based on Mass Balance Calculation*" means that for the purposes of demonstrating compliance or non-compliance with a specified limit the release shall be calculated.

"*Daily*" means, for sampling purposes, a 24 hour period starting at 7.00 am.

"*Daily average*" for releases of substances to air means the average of half-hourly averages over a calendar day during normal operation. Where any abnormal operation, start-up or shut-down occur during the day in such a way that there are less than 43 half-hourly averages recorded during normal operation, no daily average shall be recorded for that day.

"*Day*" means a 24 hour period starting at 7.00 am.

"*Dioxin and Furans*" means polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans.

"*ELV*" means emission limit value.

"*Fugitive emission*" means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.2.1.3, 2.2.2.4, 2.2.2.5, 2.2.2.8 or 2.2.2.9 of this Permit.

"*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.

"*ISO*" means International Standards Organisation.

"*Land Protection Guidance*" means the version of the Agency guidance note "H7 - *Guidance on the Protection of Land under the PPC Regime: Application Site Report and Site Protection and Monitoring Programme*", including its appended templates for data reporting, which is current at the time of issue of the Permit.

" $L_{Aeq,T}$ " means the equivalent continuous A-weighted sound pressure level in dB determined over time period, T.

" $L_{A90,T}$ " means the A-weighted sound pressure level in dB exceeded for 90% of the time period, T.

" L_{AFmax} " means the maximum A weighted sound level measurement in dB measured with a fast time weighting.

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

"*Monitoring*" includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

"*Monthly average*" means the average of all daily averages obtained during a calendar month.

"*PAH*" means Poly-cyclic aromatic hydrocarbon, and comprises Anthanthrene, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[b]naph(2,1-d)thiophene, Benzo[c]phenanthrene, Benzo[ghi]perylene, Benzo[a]pyrene, Cholanthrene, Chrysene, Cyclopenta[c,d]pyrene, Dibenzo[ah]anthracene, Dibenzo[a,i]pyrene Fluoranthene, Indo[1,2,3-cd]pyrene, Naphthalene.

"*PCB*" means Polychlorinated Biphenyl. Dioxin-like PCBs are the non-ortho and mono-ortho PCBs listed in condition 6.1.5.

Interpretation

"*Permitted Installation*" means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

"*PPC Regulations*" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 (as amended) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit.

"*Quarterly*" for reporting/sampling means after/during each 3 month period, January to March; April to June; July to September and October to December and, when sampling, with at least 2 months between each sampling date.

"*Sewer*" means sewer within the meaning of section 219(1) of the Water Industry Act 1991.

"*Shutdown*" is any period where the plant is being returned to a non-operational state and there is no waste being burned.

"*Staff*" includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

"*Start-up*" is any period, where the plant has been non-operational, after igniting the burner until waste has been fed to the co-incinerator to initiate steady-state conditions.

"*TOC*" means Total Organic Carbon. In respect of releases to air, this means the gaseous and vaporous organic substances, expressed as TOC. In respect of Bottom Ash, this means the total carbon content of all organic species present in the ash (excluding carbon in elemental form).

"*Waste Incineration Directive*" means Directive 2000/76/EC on the incineration of waste.

"*Waste oil*" has the same meaning as in Directive 75/439/EEC.

"*WHO*" means the World Health Organisation.

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

"*6 monthly*" for reporting/sampling means after/during each 6 month period, January to June; July to December and, when sampling, with at least 8 weeks between each sampling date.

"*mg/m³*" means milligramme per cubic metre.

"*g/s*" means gramme per second.

"*kg/h*" means kilogramme per hour.

"*µg/l*" means microgramme per litre.

"*mg/l*" means milligramme per litre.

"*kg*" means kilogramme.

"*t*" means tonne.

"*MWh*" means megawatt hour.

6.1.2 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.

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

Interpretation

- 6.1.3.1 in relation to gases 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
- 6.1.3.2 in relation to gases 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
- 6.1.3.3 in relation to gases from co-incineration plants the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3%.
- 6.1.4 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.
- 6.1.5 For dioxins/furans and dioxin-like PCBs the determination of the toxic equivalence concentration (I-TEQ & WHO-TEQ for dioxins/furans, WHO-TEQ for dioxin-like PCBs) stated as a release limit and/or reporting requirement, the mass concentrations of the following congeners have to be multiplied with their respective toxic equivalence factors before summing.

TEF schemes for dioxins and furans				
Congener	I-TEF(1990)	WHO-TEF (1997/8)		
		Humans / Mammals	Fish	Birds
Dioxins				
2,3,7,8-TCDD	1	1	1	1
1,2,3,7,8-PeCDD	0.5	1	1	1
1,2,3,4,7,8-HxCDD	0.1	0.1	0.5	0.05
1,2,3,6,7,8-HxCDD	0.1	0.1	0.01	0.01
1,2,3,7,8,9-HxCDD	0.1	0.1	0.01	0.1
1,2,3,4,6,7,8-HpCDD	0.01	0.01	0.001	<0.001
OCDD	0.001	0.0001	-	-
Furans				
2,3,7,8-TCDF	0.1	0.1	0.05	1
1,2,3,7,8-PeCDF	0.05	0.05	0.05	0.1
2,3,4,7,8-PeCDF	0.5	0.5	0.5	1
1,2,3,4,7,8-HxCDF	0.1	0.1	0.1	0.1
1,2,3,7,8,9-HxCDF	0.1	0.1	0.1	0.1
1,2,3,6,7,8-HxCDF	0.1	0.1	0.1	0.1
2,3,4,6,7,8-HxCDF	0.1	0.1	0.1	0.1
1,2,3,4,6,7,8-HpCDF	0.01	0.01	0.01	0.01
1,2,3,4,7,8,9-HpCDF	0.01	0.01	0.01	0.01
OCDF	0.001	0.0001	0.0001	0.0001

Interpretation

TEF schemes for dioxin-like PCBs			
Congener	WHO-TEF (1997/8)		
	Humans / mammals	Fish	Birds
Non-ortho PCBs			
3,4,4',5-TCB (81)	0.0001	0.0005	0.1
3,3',4,4'-TCB (77)	0.0001	0.0001	0.05
3,3',4,4',5 - PeCB (126)	0.1	0.005	0.1
3,3',4,4',5,5'-HxCB(169)	0.01	0.00005	0.001
Mono-ortho PCBs			
2,3,3',4,4'-PeCB (105)	0.0001	<0.000005	0.0001
2,3,4,4',5-PeCB (114)	0.0005	<0.000005	0.0001
2,3',4,4',5-PeCB (118)	0.0001	<0.000005	0.00001
2',3,4,4',5-PeCB (123)	0.0001	<0.000005	0.00001
2,3,3',4,4',5-HxCB (156)	0.0005	<0.000005	0.0001
2,3,3',4,4',5'-HxCB (157)	0.0005	<0.000005	0.0001
2,3',4,4',5,5'-HxCB (167)	0.00001	<0.000005	0.00001
2,3,3',4,4',5,5'-HpCB (189)	0.0001	<0.000005	0.00001

Schedule 1 - Notification of abnormal emissions

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

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

Part A

Permit Number	
Name of Operator	
Location of Installation	
Location of the emission	
Time and date of the emission	

Substance(s) emitted	Media	Best estimate of the quantity or the rate of emission	Time during which the emission took place

Measures taken, or intended to be taken, to stop the emission	
---	--

Part B

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 or harm which has been or may be caused by the emission	
The dates of any unauthorised emissions from the Permitted Installation in the preceding 24 months.	

Part C

Permit Number	
Name of Operator	
Location of Installation	

For multi-line plants, indicate which line(s) was (were) subject to abnormal operation.	
Time at which abnormal operation commenced	
Time at which abnormal operation ceased	
Duration of this incidence of abnormal operation	
Cumulative abnormal operation duration in current year (at end of present incidence)	
Reasons for abnormal operation	
How did the abnormal operation end? (e.g. plant repaired, reaching maximum permitted duration, initiation of shutdown, etc.)	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Solvent Resource Management Limited.

Schedule 2 - Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 and 4.1.3 of this Permit, are listed below.

Table S2: Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Volatile Organic Compounds, total Class A (as substances) kg/year	A1, A2, A3, A4 Aggregated	Annually	01/01/06
Volatile Organic Compounds, total Class B (as carbon) kg/year	A1, A2, A3, A4 Aggregated	Annually	01/01/06
Volatile Organic Compounds, total Class A (as substances) kg/year	A5	Annually	01/01/06
Volatile Organic Compounds, total Class B (as carbon) kg/year	A5	Annually	01/01/06
Volatile Organic Compounds, total Class A (as substances) mg/m ³	A6	Annually	01/01/06
Volatile Organic Compounds, total Class B (as carbon) mg/m ³	A6	Annually	01/01/06
Sulphur dioxide mg/m ³	A8	Every 6 months	01/01/06
Total Organic Carbon (TOC) mg/m ³	A8	Every 6 months	01/01/06
Oxides of nitrogen mg/m ³	A8	Every 6 months	01/01/06
Hydrogen chloride mg/m ³	A8	Every 6 months	01/01/06
Hydrogen fluoride mg/m ³	A8	Every 6 months	01/01/06
Particulates mg/m ³	A8	Every 6 months	01/01/06
Carbon monoxide mg/m ³	A8	Every 6 months	01/01/06
Cadmium & Thallium and their compounds (total) mg/m ³	A8	Every 6 months	01/01/06
Mercury and its compounds mg/m ³	A8	Every 6 months	01/01/06
Antimony, Arsenic, Lead, Chromium, Cobalt, Copper, Manganese, Nickel and Vanadium and their compounds (total) mg/m ³	A8	Every 6 months	01/01/06
Dioxins/furans (I-TEQ)	A8	Every 6 months	01/01/06
Dioxin-like PCBs (WHO-TEQ Humans/Mammals)	A8	Every 6 months	01/01/06
Dioxin-like PCBs (WHO-TEQ Fish)	A8	Every 6 months	01/01/06
Dioxin-like PCBs (WHO-TEQ Birds)	A8	Every 6 months	01/01/06

Schedule 2 - Reporting of monitoring data

Poly-cyclic aromatic hydrocarbons (PAHs)	A8	Every 6 months	01/01/06
Dioxin / furans (WHO-TEQ Humans/Mammals)	A8	Every 6 months	01/01/06
Dioxin / furans (WHO-TEQ Fish)	A8	Every 6 months	01/01/06
Dioxin / furans (WHO-TEQ Birds)	A8	Every 6 months	01/01/06
Volatile Organic Compounds kg	Permitted Installation	Annually	01/01/06
Flowrate Ml/day ²	W1	Every 6 months	01/01/06
pH range ³	W1	Every 6 months	01/01/06
Chemical Oxygen Demand mg/l ²	W1	Every 6 months	01/01/06
Cadmium µg/l ²	W1	Every 6 months	01/01/06
Chromium µg/l ²	W1	Every 6 months	01/01/06
Copper µg/l ²	W1	Every 6 months	01/01/06
Lead µg/l ²	W1	Every 6 months	01/01/06
Nickel µg/l ²	W1	Every 6 months	01/01/06
Zinc µg/l ²	W1	Every 6 months	01/01/06
1,2 Dichloroethane µg/l	W1	Every 6 months	01/01/06
Trichloroethylene µg/l	W1	Every 6 months	01/01/06
Chloroform µg/l	W1	Every 6 months	01/01/06
Tetrachloroethylene µg/l	W1	Every 6 months	01/01/06
Trichlorobenzene µg/l	W1	Every 6 months	01/01/06
Carbon Tetrachloride µg/l	W1	Every 6 months	01/01/06
Pentachlorophenol µg/l	W1	Every 6 months	01/01/06
Dichloromethane µg/l	W1	Every 6 months	01/01/06
1,1,1 Trichloroethane µg/l	W1	Every 6 months	01/01/06
Short chain chlorinated paraffins µg/l	W1	Every 6 months	01/01/06
Cadmium kg	W1	Annually	01/01/06
Chromium kg	W1	Annually	01/01/06
Copper kg	W1	Annually	01/01/06
Lead kg	W1	Annually	01/01/06
Nickel kg	W1	Annually	01/01/06
Zinc kg	W1	Annually	01/01/06
1,2 Dichloroethane kg	W1	Annually	01/01/06
Trichloroethylene kg	W1	Annually	01/01/06
Chloroform kg	W1	Annually	01/01/06
Tetrachloroethylene kg	W1	Annually	01/01/06
Trichlorobenzene kg	W1	Annually	01/01/06
Carbon tetrachloride kg	W1	Annually	01/01/06
Pentachlorophenol kg	W1	Annually	01/01/06
Dichloromethane kg	W1	Annually	01/01/06
1,1,1 Trichloroethane kg	W1	Annually	01/01/06

Schedule 2 - Reporting of monitoring data

Water usage	Permitted Installation	Annually	01/01/06
Energy usage	Permitted Installation	Annually	01/01/06
Waste disposal and/or recovery.	Permitted Installation	Annually	01/01/06

Note 1: Process control parameters have been specified under monitoring requirements, however these parameters shall not normally be required to be reported, but shall be available for inspection at the site.

Note 2: The maximum daily value and mean value for each month shall be reported.

Note 3: The maximum and minimum daily value for each month shall be reported.

Schedule 3 - Forms to be used

Table S3: Reporting Forms		
Media / parameter	Form number	Date of form
Air: Periodic monitored emissions bi-annually	Agency Form / BL7302ID / A1 / October 2005	October 2005
Air: Continuously monitored emissions of particulate matter	Agency Form / BL7302ID / A2 / October 2005	October 2005
Air: Continuously monitored emissions of TOC	Agency Form / BL7302ID / A3 / October 2005	October 2005
Air: Continuously monitored emissions of Carbon monoxide	Agency Form / BL7302ID / A4 / October 2005	October 2005
Air: Continuously monitored emissions of oxides of nitrogen	Agency Form / BL7302ID / A5 / October 2005	October 2005
Air: Periodic monitored emissions and annual emissions by mass balance	Agency Form / BL7302ID / A6 / October 2005	October 2005
Water (excluding sewer): Periodic monitored emissions	W1	October 2005
Water (excluding sewer): Annual emissions	W2	October 2005
Energy	E1	October 2005
Waste Return	R1	October 2005
Water usage	WU1	October 2005
Performance indicators	PI1	October 2005

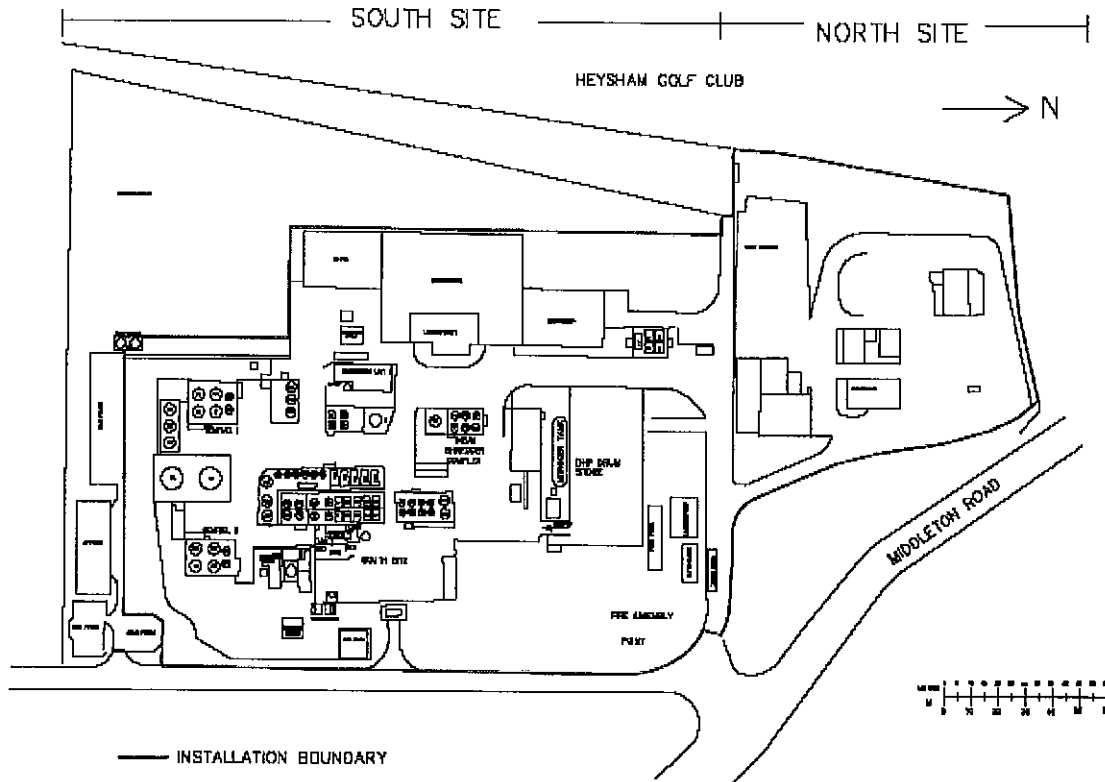
Schedule 4 - Reporting of performance data

Data required to be recorded and reported by Condition 4.1.3. The data should be assessed at the frequency given and reported annually to the Agency.

Production of recovered organics	(tonnes)
Production of distillate fuel for use on site	(tonnes)
Production of Secondary Liquid Fuel for export	(tonnes)

Parameter	Frequency assessment	of	Performance indicator
Energy Consumption	Annually		MWh/t of recovered product
Volatile organic compounds emissions	Annually		tonnes of volatile organic compounds emitted from the Installation / tonnes of recovered organics

Schedule 5 - Site plan



Note: The pipeline transferring effluent from the site to the North Sea is included in the Installation boundary from the sea outfall pit on site, to the point at which it joins the sea-outfall pipe for the area (as detailed in Appendix 2.1 of the Application)

Schedule 6 – List of Permitted Wastes

Permitted Waste Types		
Description	European Waste Catalogue Number (where available) or other specification	Waste type as defined in Table 2.1.2
Combustible wastes containing dangerous substances. Total Halogenates and sulphur content shall be a maximum of 0.1%.	EWC 190208 / EWC 190210	WT1 – blend of distilled solvents and hydrocarbons (typically toluene, xylene, ketones, esters and alcohols). Total halogen and sulphur content less than 0.1%.
Liquid combustible wastes containing dangerous substances	EWC 190208 / EWC 190210	WT2 – aqueous waste contaminated with solvents, and waste solvents (typically alcohols, with esters, ketones and hydrocarbons).
Wastes received at the Permitted Installation that meet the specifications of WT2	EWC codes shall be recorded by the Operator	WT2

END OF PERMIT

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2007

Morecambe Solvent Management

Solvent Resource Management
Limited

Middleton Road
Morecambe
Lancashire
LA3 3JW

Variation notice number
EA/EPR/BL7302ID/V002

Permit number
BL7302ID

Morecambe Solvent Management

Permit Number EA/EPR/BL7302ID

Variation Reference EA/EPR/BL7302ID/V002

Introductory note

This introductory note does not form a part of the permit

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

A variation application was made by the Operator for the addition of a listed activity to their existing permit and to add a standard rules permit, the references for which are as follows:

- Schedule 1 Section 5.3A(1)(a) – The disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day;
- Standard rules reference – SR2008No1 25kte.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions and Schedule 3 lists any conditions that have been added.

Status Log of the permit

Detail	Date	Response Date
Application BL7302ID (EPR reference EA/EPR/BL7302ID/A001)	Received 31/03/05	-
Additional Information (Schedule 4 response)	09/08/05	Received 14/10/05
Additional Information (Acceptable Waste Categories)	-	Received 25/11/05
Additional Information (Specification of all fuels and wastes)	-	Received 14/12/05
Permit determined (EPR reference EA/EPR/BL7302ID/A001)	21/12/05	-
Application reference EA/EPR/BL7302ID/V002 – Variation	27/05/08	-
Additional Information (Schedule 5 response)	19/08/08	Received 05/09/08
Variation EA/EPR/BL7302ID/V002 Determined (PAS Reference PP3331XX)	17/09/08	-

End of Introductory Note.

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2007

Permit number

EA/EPR/BL7302ID

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

Solvent Resource Management Limited ("the operator"),

whose registered office is

Hanson House

14 Castle Hill

Maidenhead

Berkshire

SL6 4JJ

company registration number **03890526**

holds a permit to operate a regulated facility at

Middleton Road

Morecambe

Lancashire

LA3 3JW

and that permit is varied to the extent set out in Schedules 1 to 3 of this notice.

The notice shall take effect from **17 September 2008**

Name	Date
	17 th September 2008

Martin Jenkins

Authorised on behalf of the Agency.

Schedule 1 – conditions to be deleted

- 1.4.2 Where the operator fails to comply with any requirement by the date specified in Table 1.4.1 the Operator shall send written notification of such failure to the Agency within 14 days of such date.

Schedule 2 – conditions to be amended

Table 1.1.1 – Permitted activities

This condition is amended as follows:

Table 1.1.1 Permitted activities		
Activity listed in Schedule 1 of the PPC Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 5.4 A(1)(a) : Recovering by distillation of any oil or organic solvent.	Operation of the kettle, reboiler heat exchanger, distillation column and vent condensers, feed and product tanks.	From the receipt of material for processing, through the distillation and separation processes to the transfer of separated materials to storage or disposal.
Section 1.1 A(1)(b)(iii) : Burning any fuel manufactured from, or comprising any other waste in an appliance with rated thermal input of 3MW or more but less than 50MW	Production of steam for use in distillation processes, in a boiler with rated thermal input of 3.8MW.	Co-incineration of waste, from the evaluation and receipt of waste fuel, through to storage, on-site pre-treatment facilities, waste systems, fuel systems, air supply systems, boiler, stack devices and systems for controlling incineration operations, recording and monitoring incineration conditions.
Section 5.3 A(1)(b) : The disposal of waste oils other than by incineration or landfill in a facility with a capacity of more than 10 tonnes per day.	Operation of recovery plant for waste oil, including the formulation of Secondary Liquid Fuel by blending process residues with waste materials, and a recovery plant for waste oil filters	From receipt of raw materials, through sorting, size reduction, separation of components, storage of separated components for recycling, to blending and despatch of product.
Section 5.3 A(1)(a): The disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day.	Operation of a waste transfer station for the storage of hazardous waste prior to removal off site for disposal.	Maximum storage of 1000 drums in the transfer station at any one time, prior to removal off site for disposal.
Directly associated activity.	Combustion of fuel in a boiler with rated thermal input of 3.8MW for the production of steam for use in distillation processes. (Boiler is a standby for the main site boiler)	From receipt and storage of raw materials, through to burning of fuel and disposal/recovery of any waste.
Directly associated activity.	Combustion of fuel in a boiler with rated thermal input of 3.8MW for the production of steam for use in distillation processes. (Boiler is a standby for the main site boiler)	From receipt and storage of raw materials, through to burning of fuel and disposal/recovery of any waste.

Table 1.1.1 Permitted activities

Activity listed in Schedule 1 of the PPC Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Directly associated activity.	Handling and storage of recovered (product) solvents.	From transfer from distillation unit to tank farm, through subsequent blending to loading of bulk road tankers, IBC's or drums from tank farm or distillation unit.
Directly associated activity.	Handling and storage of wastes for disposal	From the production of waste materials through to storage of wastes, including contaminated materials.
Directly associated activity.	Air emissions abatement	Abatement equipment for Drum Handling Plant 1 (DHP1) – water scrubber. Abatement equipment for Drum Handling Plant 2 (DHP2) – carbon bed adsorption column

1.2.1 Site

This condition is amended as follows:

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in red on the Site Plan at Schedule 5 to this Permit. The area shown in green on this plan shall relate to the area to which standard rules apply.

Table 2.1.1 – Operating techniques

This condition is amended as follows:

Table 2.1.1: Operating techniques

Description	Parts	Date received
Application	The response to questions B2.1 and B2.2 of the Application Template, as given in section 2.1 to 2.6 (pages 25 to 43) of the Application.	31/03/05
Additional Information (Schedule 4 Notice response)	Responses to question 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 28th December 2005, where waste is burned in Combustion Unit 1)	14/10/05
Additional Information	Acceptable Waste Categories schedule for recovery	25/11/05
Additional Information	Specification of all fuels and wastes	14/12/05
Variation Application	The responses questions 1 to 5 and questions 7 to 8 within Part A of the application form. The responses to questions 1a to Appendix 7 within part C of the application form.	27/05/08

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Tradebe Solvent Recycling Limited

Morecambe Solvent Management
Middleton Road
Morecambe
Lancashire
LA3 3JW

Variation application number

EPR/BL7302ID/V003

Permit number

EPR/BL7302ID

Morecombe Solvent Management

Permit number EPR/BL7302ID

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.

We have varied this permit to change the company name from Solvent Resource Management Limited to Tradebe Solvent Recycling Limited and to change the registered office address.

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 BL7302ID (EPR reference EA/EPR/BL7302ID/A001)	Received 31/03/05	
Additional information (Schedule 4 response)	09/08/05	Received 14/10/05
Additional information (Acceptable Waste Categories)		Received 25/11/05
Additional information (Specification of all fuel and wastes)		Received 14/12/05
Permit determined (EPR reference EA/EPR/BL7302ID/A001)	21/12/05	Original permit issued to Solvent Resource Management Limited
Application reference EA/EPR/BL7302ID/V002- Variation	27/05/08	
Additional information (Schedule 5 response)	19/08/08	Received 05/09/08
Variation EA/EPR/BL7302ID/V002 Determined (PAS Reference PP3331XX)	17/09/08	
Notified of change of company name and registered office address	19/12/2011	Name changed to Tradebe Solvent Recycling Limited and change of registered office address
Variation issued EPR/BL7302ID/V003	16/02/2012	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/BL7302ID

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

Morecambe Solvent Management
Middleton Road
Morecambe
Lancashire
LA3 3JW

as follows

change company name from Solvent Resource Management Limited to Tradebe Solvent Recycling Limited and to change the registered office address.

The notice shall take effect from 16/02/2012

Name	Date
Damien Matthias	16/02/2012

Authorised on behalf of the Environment Agency

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Tradebe Solvent Recycling Limited

Morecambe Solvent Management
Middleton Road
Morecambe
Lancashire
LA3 3JW

Variation application number
EPR/BL7302ID/V004

Permit number
EPR/BL7302ID

Morecambe Solvent Management

Permit number EPR/BL7302ID

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 1.1.1 of the permit. Table 1.1.1 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 BL7302ID received (EPR reference EPR/BL7302ID/A001)	31/03/05	
Additional information requested (Schedule 4 Notice)	09/08/05	Response received 14/10/05
Additional information received (Acceptable Waste Categories)	25/11/05	
Additional information received (Specification of all fuel and wastes)	14/12/05	
Permit determined (EPR reference EPR/BL7302ID/A001)	21/12/05	Original permit issued to Solvent Resource Management Limited
Application reference EPR/BL7302ID/V002 - variation	27/05/08	
Additional information requested (Schedule 5 Notice)	19/08/08	Response received 05/09/08
Variation EPR/BL7302ID/V002 determined (PAS reference PP3331XX)	17/09/08	
Notified of change of company name and registered office address	19/12/11	Name changed to Tradebe Solvent Recycling Limited and change of registered office address
Variation issued EPR/BL7302ID/V003	16/02/12	Varied permit issued to Tradebe Solvent Recycling Limited
Agency variation determined EPR/BL7302ID/V004	06/05/14	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/BL7302ID

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

Morecambe Solvent Management
Middleton Road
Morecambe
Lancashire
LA3 3JW

to the extent set out in the schedules.

The notice shall take effect from 06/05/2014

Name	Date
Damien Matthias	06 May 2014

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 1.1.1 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 1.1.1 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
S5.3 A(1)(a)(v) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving solvent reclamation or regeneration;	Operation of the kettle, reboiler heat exchanger, distillation column and vent condenser, feed and product tanks. R2 Solvent reclamation / regeneration	From the receipt of material for processing, through the distillation and separation processes to transfer or separated materials to storage or disposal.
S5.1 A(1)(a) The incineration of hazardous waste in a waste incineration plant or waste co-incineration plant with a capacity exceeding 10 tonnes per day.	Production of steam for use in distillation process, in a boiler with rated thermal input of 3.8MW. D10 Incineration on land R1 Use principally as a fuel or other means to generate energy	Co-incineration of waste, from the evaluation and receipt of waste fuel, through to storage, on-site pre-treatment facilities, waste systems, fuel systems, air supply systems, boiler, stack devices and systems for controlling incineration operations, recording and monitoring incineration conditions.
S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment;	Operation of a recovery plant for waste oil. R3 Recycling / reclamation of organic substances which are not used as solvents	From receipt of waste materials, through sorting, size reduction, separation of components.
S5.3 A(1)(a)(iii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving blending or mixing	Formulation of Secondary Liquid Fuel by blending process residues with waste materials. D13 Blending or mixing prior to submission to any of the operations numbered D01 to D12 R3 Recycling / reclamation of organic substances which are not used as solvents	From receipt of waste materials, through sorting, separation of components, to blending and despatch of product.

Table 1.1.1 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
S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment;	Recovery plant for waste oil filters. R3 Recycling / reclamation of organic substances which are not used as solvents R4 Recycling / reclamation of metals and metal compounds	From receipt of waste materials, through sorting, size reduction, separation of components.
S5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	Operation of a waste transfer station for the storage of hazardous waste prior to removal off site for disposal. Storage of hazardous waste prior to and after any of the listed activities above. D15 Storage pending any of the operations numbered D01 to D14 R13 Storage of wastes pending any of the operations numbered R01 to R12	From receipt of waste materials to storage of separated components for recycling and despatch of product & materials for disposal or further recovery. Maximum storage of 1,000 drums in the transfer station at any one time, prior to removal off site for disposal.
Directly Associated Activity		
Fuel combustion	Combustion of fuel in a boiler with a rated thermal input of 3.8MW for the production of steam for use in the distillation process. (Boiler is a standby boiler for the main site).	From receipt and storage of raw materials, through to burning of fuel and disposal/recovery of any waste.
Solvent handling and storage	Handling and storage of recovered (product) solvents.	From transfer from distillation until to tank farm, through subsequent blending to loading of road tankers, IBC's or drums from tank farm or distillation unit.
Waste handling and storage	Handling and storage of wastes for disposal.	From the production of waste materials through to storage of waste, including contaminated materials.
Air emissions abatement	Abatement of air emissions.	Abatement equipment for Drum Handling Plant 1 (DHP 1) – water scrubber. Abatement equipment for Drum Handling Plant 1 (DHP 2) – carbon bed adsorption column.

Schedule 3 – conditions to be added

None

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Tradebe Solvent Recycling Limited

Morecambe Solvent Management
Middleton Road
Morecambe
Lancashire
LA3 3JW

Variation application number
EPR/BL7302ID/V005

Permit number
EPR/BL7302ID

Morecambe Solvent Management

Permit number EPR/BL7302ID

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 BL7302ID (EPR reference EA/EPR/BL7302ID/A001)	Received 31/03/05	
Additional information (Schedule 4 response)	09/08/05	Received 14/10/05
Additional information (Acceptable Waste Categories)		Received 25/11/05
Additional information (Specification of all fuel and wastes)		Received 14/12/05
Permit determined (EPR reference EA/EPR/BL7302ID/A001)	21/12/05	Original permit issued to Solvent Resource Management Limited
Application reference EA/EPR/BL7302ID/V002-Variation	27/05/08	
Additional information (Schedule 5 response)	19/08/08	Received 05/09/08
Variation EA/EPR/BL7302ID/V002 Determined (PAS Reference PP3331XX)	17/09/08	
Notified of change of company name and registered office address	19/12/11	Name changed to Tradebe Solvent Recycling Limited and change of registered office address
Variation issued EPR/BL7302ID/V003	16/02/12	Varied permit issued to Tradebe Solvent Recycling Limited

Status log of the permit

Description	Date	Comments
Agency variation determined EPR/BL7302ID/V004	06/05/14	Agency variation to implement 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/BL7302ID/V005	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/BL7302ID

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

Morecambe Solvent Management
Middleton Road
Morecambe
Lancashire
LA3 3JW

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

Table 2.1.1: Operating techniques

Description	Parts	Date received
Additional Information (Schedule 5 Notice response)	Response to question 6 of the Application submitted as part of the Schedule 5 notice response reference 3	05/09/08
	Response to Schedule 5 notice references 1 and 2.	

1.4. - Improvement Programme

This condition is amended as follows:

1.4 Improvement programme

No condition applies.

Schedule 3 – conditions to be added

Standard Rules reference SR2008No1 25kte.

Surrender notice with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Tradebe Solvent Recycling Limited
Morecambe Solvent Management
Middleton Road
Morecambe
Lancashire
LA3 3JW

Surrender application number

EPR/BL7302ID/S006

Permit number

EPR/BL7302ID

Morecambe Solvent Management

Permit number EPR/BL7302ID

Introductory note

This introductory note does not form a part of the notice.

The following notice gives notice of the surrender in part of an environmental permit.

The applicant has applied to surrender a scheduled activity from their current permit which will remove the sites ability to incinerate both solvent and aqueous wastes through Combustion Unit 1 (CU1). CU1 has ceased to operate as an incineration plant and thus no longer burns hazardous solvent wastes. The unit was used for incinerating liquid wastes only as a means of dealing with materials which could not be sold on as secondary liquid fuels. The potential for airborne pollution from the incineration of wastes has been removed and all equipment and pipelines associated with the burning of waste materials through the unit have been physically disconnected.

CU1 will still be able to burn 'non-waste' fuels and will serve as the 3.8MW back-up/standby boiler to generate steam for distillation processes when CU2 (also a 3.8MW 'non-waste' boiler used to generate steam) is shut down for maintenance or inspection purposes. The existing tank storage capability will continue to be used to hold product grade distillate fuel (instead of liquid wastes) and the site will continue to carry out the other activities that are detailed within the permit and not specified as being part of this surrender application.

Other sites owned by the same company have suitable incinerators so any future wastes generated that cannot be sold onwards can be disposed of correctly and under authorisation via these other facilities so that there is no waste stockpiling issues for this site. The site will continue to treat and process waste though the remaining permitted activities.

The partial surrender comprises:

- removal of the scheduled activity Section 1.1 A(1)(b)(iii): burning any fuel manufactured from, or comprising any other waste in an appliance with rated thermal input of 3MW or more but less than 50MW (CU1)
- retaining the directly associated activity 'Combustion of fuel in a boiler with rated thermal input of 3.8MW for the production of steam for use in distillation processes' as the main combustion unit (CU2).

However, as a scheduled activity is being surrendered with the associated land remaining within the installation permitted boundary and potentially being affected by ongoing site operations, the Applicant will be expected to fully assess this land, and remediate where applicable, at the time when the permit is surrendered in full.

Any changes made as a result of the part surrender are set out in the schedules.

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 EPR/BL7302ID/A001		Received 31/03/2005.
Additional information (Schedule 4 response)	09/08/2005	Received 14/10/2005.
Additional information (Acceptable Waste Categories)		Received 25/11/2005.
Additional information (Specification of all fuels and wastes)		Received 14/12/2005.
Permit determined EPR/BL7302ID	21/12/2005	Original permit issued to Solvent Resource Management Limited.

Status log of the permit		
Description	Date	Comments
Variation application EPR/BL7302ID/V002	27/05/2008	
Additional information (Schedule 5 response)	19/08/2008	Received 05/09/2008.
Variation determined EPR/BL7302ID	17/09/2008	
Variation application EPR/BL7302ID/V003	19/12/2011	Name changed to Tradebe Solvent Recycling Limited and change of registered office address.
Variation determined EPR/BL7302ID	16/02/2012	Varied permit issued to Tradebe Solvent Recycling Limited.
Variation application EPR/BL7302ID/V004	06/05/2014	Agency variation to implement changes introduced by IED.
Variation application EPR/BL7302ID/V005	06/02/2015	Registered office changed to: Atlas House, Third Avenue, Globe Park, Marlow, Buckinghamshire, SL7 1EY.
Variation determined EPR/BL7302ID	16/02/2015	Varied permit issued to Tradebe Solvent Recycling Limited.
Part surrender application EPR/BL7302ID/S006	Duly made 08/03/2017	Partial surrender to remove a scheduled activity (no associated land) and amend the list of directly associated activities.
Part surrender determined EPR/BL7302ID (billing ref: HP3839YB)	11/04/2017	Part surrender complete. Varied permit issued to Tradebe Solvent Recycling Limited.

End of introductory note

Notice of surrender

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 25 of the Environmental Permitting (England and Wales) Regulations 2010 accepts the surrender in part of

Permit number

EPR/BL7302ID

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

**Morecambe Solvent Management
Middleton Road
Morecambe
Lancashire
LA3 3JW**

to the extent set out in the schedules.

This notice shall take effect from 11/04/2017.

Name	Date
J Linton	11/04/2017

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

The following conditions and tables are deleted as a result of the application made by the operator.

Removal of condition 2.1.3 in relation to the specification permitted waste types for the incineration of wastes on site.

Removal of Table 2.1.2 permitting the incineration of the wastes types described as 'Recovered solvent fuel WT1' and 'Aqueous effluent WT2' in association with condition 2.1.3.

Removal of conditions 2.1.6, 2.1.7, 2.1.10 and 2.1.11 with reference to the incineration of wastes on the site.

Schedule 2 – conditions to be amended

The following conditions are amended as detailed, as a result of the application made by the operator.

Table 1.1.1 is amended to remove the scheduled activity Section 1.1 A(1)(b)(iii), amend the description of the first listed directly associated activity (CU2) as this will now become the main site boiler following the removal of the Section 1.1 A(1) scheduled activity and add in CU1 as the standby boiler.

Table 1.1.1 Permitted activities

Activity listed in Schedule 1 of the PPC Regulations/Associated Activity	Description of specified activity	Limits of specified activity
Section 5.4 Part A(1)(a) – recovering by distillation of any oil or organic solvent.	Operation of the kettle, reboiler heat exchanger, distillation column and vent condensers, feed and product tanks.	From the receipt of material for processing, through the distillation and separation processes to the transfer of separated materials to storage or disposal.
Section 5.3 Part A(1)(b) – the disposal of waste oils other than by incineration or landfill in a facility with a capacity of more than 10 tonnes per day.	Operation of recovery plant for waste oil, including the formulation of Secondary Liquid Fuel by blending process residues with waste materials and a recovery plant for waste oil filters.	From receipt of raw materials, through sorting, size reduction, separation of components, storage of separated components for recycling to blending and despatch of product.
Section 5.3 Part A(1)(a) – the disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day.	Operation of a waste transfer station for the storage of hazardous waste prior to removal off site for disposal.	Maximum storage of 1,000 drums in the transfer station at any one time prior to removal off site for disposal.
Directly Associated Activity	CU2: combustion of fuel in a boiler with a rated thermal input of 3.8MW for the production of steam for use in distillation processes.	From the receipt and storage of fuel, through to the burning of fuel for the production of steam at the site.
Directly Associated Activity	CU1: combustion of fuel in a boiler with a rated thermal input of 3.8MW for the production of steam for use in distillation processes. This boiler is a standby for the main site boiler.	From the receipt and storage of fuel, through to the burning of fuel for the production of steam at the site.
Directly Associated Activity	Handling and storage of recovered (product) solvents.	From transfer from the distillation unit to tank farm through subsequent blending to loading of bulk road tankers, IBCs or drums from tank farm or distillation unit.
Directly Associated Activity	Handling and storage of wastes for disposal.	From the production of waste materials through to storage of wastes including contaminated materials.
Directly Associated Activity	Air emissions abatement.	Abatement equipment for Drum Handling Plant (DHP1) – water scrubber. Abatement equipment for Drum Handling Plant 2 (DHP2) – carbon bed adsorption column.

1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in yellow on the Site Plan at Schedule 4 to this Permit. The area shown in green on the plan submitted for EPR/BL7302ID/V002 shall relate to the area to which standard rules apply.

Table 2.2.1 is amended to remove emission points A2, A3a, A3b and A7 as these processes are no longer operational and update emission points A8 and A9.

Table 2.2.1 Emission points to air		
Emission point reference or description	Source	Location of emission point
A1	Condenser vent on distillation plant 1	As identified on site plant in Appendix 2.6 of the Application EPR/BL7302ID/A001
A4	Chiller unit vent on LUWA evaporator	As identified on site plant in Appendix 2.6 of the Application EPR/BL7302ID/A001
A5	Drum handling plant 1 (DHP1) liquid scrubber exhaust	As identified on site plant in Appendix 2.6 of the Application EPR/BL7302ID/A001
A6	Drum handling plant 2 (DHP) carbon scrubber exhaust	As identified on site plant in Appendix 2.6 of the Application EPR/BL7302ID/A001
A8	Combustion unit 1 (CU1) (standby boiler)	As identified on site plant in Appendix 2.6 of the Application EPR/BL7302ID/A001 and referred to in EPR/BL7302ID/S006
A9	Combustion unit 2 (CU2) (main boiler)	As identified on site plant in Appendix 2.6 of the Application EPR/BL7302ID/A001 and referred to in EPR/BL7302ID/S006
A10 to A12	Cooling water tower	As identified on site plant in Appendix 2.6 of the Application EPR/BL7302ID/A001

Table 2.2.2 is amended to remove incineration of waste related monitoring parameters for emission points A2, A3a, A3b, A7 and the removal of scheduled activity Section 1.1 A(1)(b)(iii).

Table 2.2.2 Emission limits to air and monitoring					
Emission point reference	Parameter	Limit (incl. ref. period) ¹	Monitoring frequency	Monitoring method	
A1, A4 aggregated	Volatile Organic Compounds Total Class A (as substances)	1,000kg/year	Annual ¹⁰	---	
A1, A4 aggregated	Volatile Organic Compounds Total Class B (as carbon)	5,000kg/year	Annual ¹⁰	---	
A5	Volatile Organic Compounds Total Class A (as substances)	10,000kg/year	Annual ¹⁰	---	
A5	Volatile Organic Compounds Total Class B (as carbon)	100,000kg/year	Annual ¹⁰	---	
A6	Volatile Organic Compounds Total Class A (as substances)	20mg/m ³ periodic over a minimum of 1 hour period	Annual	BS EN 13649	
A6	Volatile Organic Compounds Total Class B (as carbon)	75mg/m ³ periodic over a minimum of 1 hour period	Annual	BS EN 13649	

Note 1: see section 6 of permit for reference conditions.

Note 10: demonstration of compliance through mass balance or other suitable surrogate method agreed in writing with the Environment Agency.

Table 2.2.11 is amended to update the operating measures at the site with regards to the removal of the ability to incinerate liquid wastes at the site.

Table 2.2.11 Equivalent parameters and technical measures

Parameter or measure	Requirement or description of measure and frequency (if relevant)
Fuel specification	Waste shall not be burned in Combustion Unit 1 (CU1) and Combustion Unit 2 (CU2).
Control of discharge through W1	Continuous monitoring of Total Organic Carbon and pH of discharge collection tank shall be maintained together with an alarm system to warn of unusual values.

Table 2.10.1 is amended to update the monitoring requirements at the site with regards to the removal of scheduled activity Section 1.1 A(1)(b)(iii).

Table 2.10.1 Other monitoring requirements

Emission point reference or source or description of point of measurement	Substance or parameter	Monitoring frequency	Monitoring method	Other specifications
W1	Short chain chlorinated paraffins	Monthly	---	Flow proportionate composite of daily samples
Near inner wall of furnace on CU1	Temperature (°C)	---	Traceable to National Standards	---

The following is amended in '6 Interpretation' to reflect the changes to the boiler operations on site after the removal of scheduled activity Section 1.1 A(1)(b)(iii).

“Abnormal operation” means any technically unavoidable stoppages, disturbances or failures of the abatement plant or the measurement devices during which the concentrations in the discharges into the air and the purified waste water of the regulated substances may exceed the normal emission limit values. It includes the time taken for the plant to stabilise after the repair or replacement has been carried out.

Table S2 is amended to remove the reporting and monitoring requirements for the incineration of waste related to emission points A2, A3a, A3b, A7 and the removal of scheduled activity Section 1.1 A(1)(b)(iii).

Table S2 Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Volatile Organic Compounds Total Class A (as substances)	A1, A4 aggregated	Annually	01/04/2017
Volatile Organic Compounds Total Class B (as carbon)	A1, A4 aggregated	Annually	01/04/2017
Volatile Organic Compounds Total Class A (as substances)	A5	Annually	01/01/2006
Volatile Organic Compounds Total Class B (as carbon)	A5	Annually	01/01/2006
Volatile Organic Compounds Total Class A (as substances)	A6	Annually	01/01/2006
Volatile Organic Compounds Total Class B (as carbon)	A6	Annually	01/01/2006
Volatile Organic Compounds (kg)	Permitted Installation	Annually	01/01/2006
Flow rate (Ml/day) ²	W1	Every 6 months	01/01/2006
pH range ³	W1	Every 6 months	01/01/2006

Table S2 Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Chemical oxygen demand (mg/l) ²	W1	Every 6 months	01/01/2006
Cadmium (ug/l) ²	W1	Every 6 months	01/01/2006
Chromium (ug/l) ²	W1	Every 6 months	01/01/2006
Copper (ug/l) ²	W1	Every 6 months	01/01/2006
Lead (ug/l) ²	W1	Every 6 months	01/01/2006
Nickel (ug/l) ²	W1	Every 6 months	01/01/2006
Zinc (ug/l) ²	W1	Every 6 months	01/01/2006
1,2 dichloroethane (ug/l)	W1	Every 6 months	01/01/2006
Trichloroethylene (ug/l)	W1	Every 6 months	01/01/2006
Chloroform (ug/l)	W1	Every 6 months	01/01/2006
Tetrachloroethylene (ug/l)	W1	Every 6 months	01/01/2006
Trichlorobenzene (ug/l)	W1	Every 6 months	01/01/2006
Carbon tetrachloride (ug/l)	W1	Every 6 months	01/01/2006
Pentachlorophenol (ug/l)	W1	Every 6 months	01/01/2006
Dichlorormethane (ug/l)	W1	Every 6 months	01/01/2006
1,1,1 trichloroethane (ug/l)	W1	Every 6 months	01/01/2006
Short chain chlorinated paraffins (ug/l)	W1	Every 6 months	01/01/2006
Cadmium (kg)	W1	Annually	01/01/2006
Chromium (kg)	W1	Annually	01/01/2006
Copper (kg)	W1	Annually	01/01/2006
Lead (kg)	W1	Annually	01/01/2006
Nickel (kg)	W1	Annually	01/01/2006
Zinc (kg)	W1	Annually	01/01/2006
1,2 dichloroethane (kg)	W1	Annually	01/01/2006
Trichloroethylene (kg)	W1	Annually	01/01/2006
Chloroform (kg)	W1	Annually	01/01/2006
Tetrachloroethylene (kg)	W1	Annually	01/01/2006
Trichlorobenzene (kg)	W1	Annually	01/01/2006
Carbon tetrachloride (kg)	W1	Annually	01/01/2006
Pentachlorophenol (kg)	W1	Annually	01/01/2006
Dichlorormethane (kg)	W1	Annually	01/01/2006
1,1,1 trichloroethane (kg)	W1	Annually	01/01/2006
Water usage	Permitted Installation	Annually	01/01/2006
Energy usage	Permitted Installation	Annually	01/01/2006
Waste disposal and/or recovery	Permitted Installation	Annually	01/01/2006

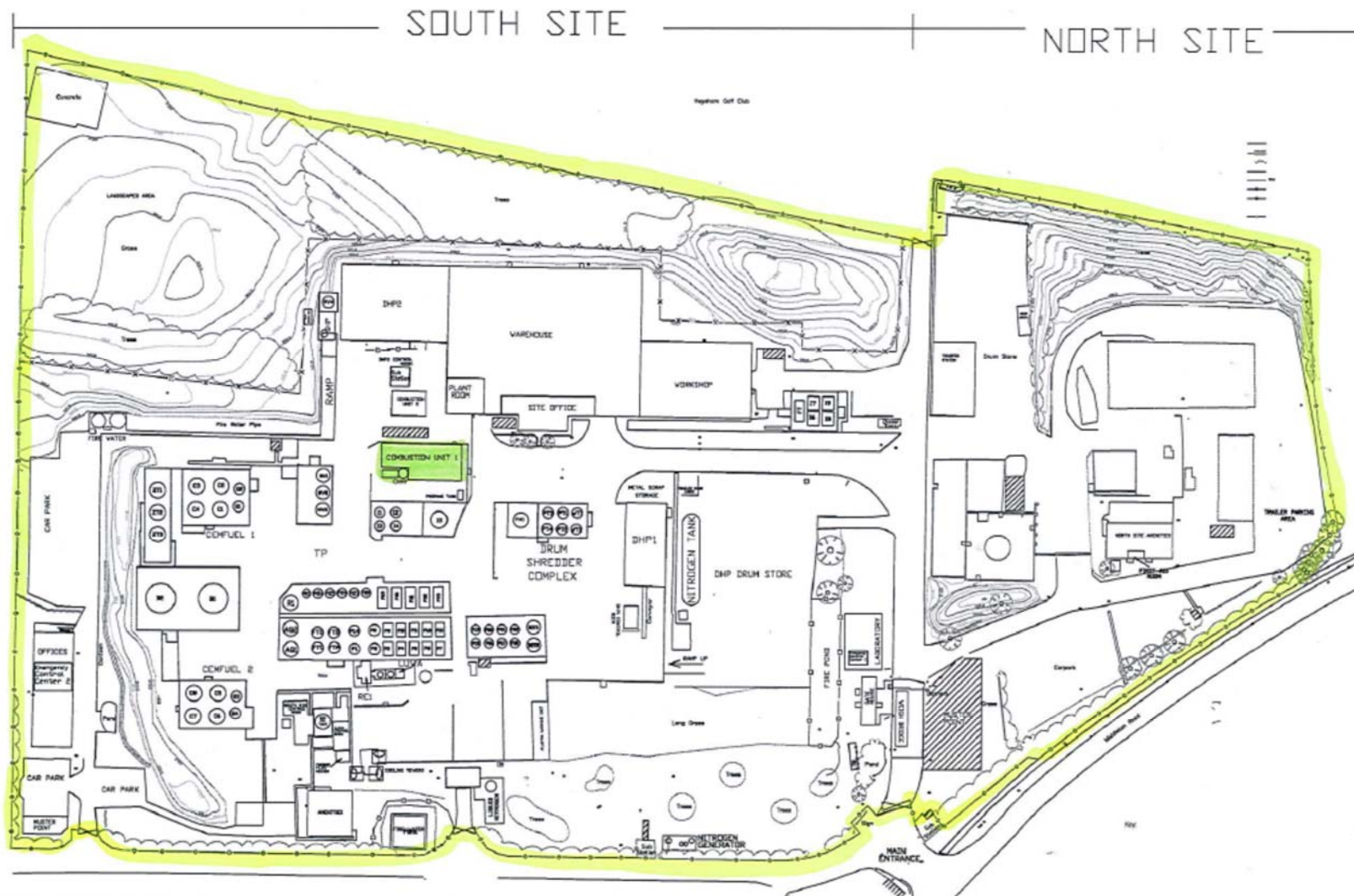
Note 2: the maximum daily value and mean value for each month shall be reported.

Note 3: the maximum and minimum daily value for each month shall be reported.

Schedule 3 – conditions to be added

None.

Schedule 4 – amended plan



Note: the pipeline transferring effluent from the site to the Irish Sea is included in the Installation boundary from the sea outfall pit on site to the point at which it joins the sea outfall pipe for the area.

SRM MORECAMBE

ACCEPTABLE WASTE CATEGORIES (as categorised in the European Waste Catalogue)

and specified use

R = Solvent Recovery; F = SLF / Cemfuel Blending

Version 2: 06/12/05

01 WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS

01 05 drilling muds and other drilling wastes

01 05 05*	oil-containing drilling muds and wastes	F
01 05 06*	drilling muds and other drilling wastes containing dangerous substances	F

02 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING

0203 Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation

020303	wastes from solvent extraction	R, F
020304	materials unsuitable for consumption or processing	F

0207 Wastes from the production of alcoholic and non-alcoholic beverages (excluding coffee, tea and cocoa)

020702	wastes from spirits distillation	R, F
020704	materials unsuitable for consumption	R, F

03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD

0302 Wastes from wood preservation

030201*	non-halogenated organic wood preservatives	F
030202*	organochlorinated wood preservatives	F
030203*	organometallic wood preservatives	F

04 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES

0401 Wastes from the leather and fur industry

040103*	degreasing wastes containing solvents without a liquid phase	R,F
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0402 Wastes from the textile industry

040210	organic matter from natural processes (eg grease, wax)	F
04 02 14*	wastes from finishing containing organic solvents	R,F
040216*	dyestuffs and pigments containing dangerous substances	F
040217	dyestuffs and pigments other than those mentioned in 040216	F

05 WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLITIC TREATMENT OF COAL

0501 wastes from petroleum refining

050103*	tank bottom sludges	F
050104*	acid alkyl sludges	F
050105*	oil spills	F
050106*	oily sludges from maintenance operations of the plant or equipment	F
050107*	acid tars	F
050108*	other tars	F
050109*	sludges from on-site effluent treatment containing dangerous substances	F
050110	sludges from on-site effluent treatment other than those mentioned in 05 01 09	F
050112*	oil containing acids	F
050115*	spent filter clays	F
05 01 17	bitumen	F

0506 Wastes from the pyrolytic treatment of coal

050601*	acid tars	F
050603*	other tars	F

06 WASTES FROM INORGANIC CHEMICAL PROCESSES

0607 Wastes from the MFSU of halogens and halogen chemical processes

060702*	activated carbon from chlorine production	F
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0613 Wastes from inorganic chemical processes not otherwise specified

061302*	spent activated carbon (except 060702)	F
061303	carbon black	F

07 WASTES FROM ORGANIC CHEMICAL PROCESSES

0701 Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals

070101*	aqueous washing liquids and other mother liquors	R,F
070103*	organic halogenated solvents, washing liquids and mother liquors	R,F
070104*	other organic solvents, washing liquids and mother liquors	R,F
070107*	halogenated still bottoms and reaction residues	R,F
070108*	other still bottoms and reaction residues	R,F
070109*	halogenated filter cakes and spent absorbents	F
070110*	other filter cakes, spent absorbents	F

0702 Wastes from the MFSU of plastics, synthetic rubber and man-made fibres

070201*	aqueous washing liquids and mother liquors	R,F
070203*	organic halogenated solvents, washing liquids and mother liquors	R,F
070204*	other organic solvents, washing liquids and mother liquors	R,F
070207*	halogenated still bottoms and reaction residues	R,F
070208*	other still bottoms and reaction residues	R,F
070209*	halogenated filter cakes and spent absorbents	F
070210*	other filter cakes, spent absorbents	F

0703 Wastes from the MFSU of organic dyes and pigments (except 0611)

070301*	aqueous washing liquids and mother liquors	R,F
070303*	organic halogenated solvents, washing liquids and mother liquors	R,F
070304*	other organic solvents, washing liquids and mother liquors	R,F
070307*	halogenated still bottoms and reaction residues	R,F
070308*	other still bottoms and reaction residues	R,F
070309*	halogenated filter cakes and spent absorbents	F
070310*	other filter cakes, spent absorbents	F

0704 Wastes from the MFSU of organic plant protection products (except 020108 and 020109), wood preserving agents (except 0302) and other biocides

070401*	aqueous washing liquids and mother liquors	R,F
070403*	organic halogenated solvents, washing liquids and mother liquors	RF
070404*	other organic solvents, washing liquids and mother liquors	R,F
070407*	halogenated still bottoms and reaction residues	R,F
070408*	other still bottoms and reaction residues	R,F
070409*	halogenated filter cakes and spent absorbents	F
070410*	other filter cakes, spent absorbents	F
070413*	solid wastes containing dangerous substances	F

0705 Wastes from the MFSU of pharmaceuticals

070501*	aqueous washing liquids and mother liquors	R, F
070503*	organic halogenated solvents, washing liquids and mother liquors	RF
070504*	other organic solvents, washing liquids and mother liquors	R, F
070507*	halogenated still bottoms and reaction residues	R, F
070508*	other still bottoms and reaction residues	R, F
070509*	halogenated filter cakes and spent absorbents	F
070510*	other filter cakes, spent absorbents	F
070513*	solid wastes containing dangerous substances	F

0706 Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

070601*	aqueous washing liquids and mother liquors	R, F
070603*	organic halogenated solvents, washing liquids and mother liquors	RF
070604*	other organic solvents, washing liquids and mother liquors	R, F
070607*	halogenated still bottoms and reaction residues	R, F
070608*	other still bottoms and reaction residues	R, F
070609*	halogenated filter cakes and spent absorbents	F
070610*	other filter cakes, spent absorbents	F

0707 Wastes from the MFSU of fine chemicals and chemical products not otherwise specified

070701*	aqueous washing liquids and mother liquors	R, F
070703*	organic halogenated solvents, washing liquids and mother liquors	RF
070704*	other organic solvents, washing liquids and mother liquors	R, F
070707*	halogenated still bottoms and reaction residues	R, F
070708*	other still bottoms and reaction residues	R, F
070709*	halogenated filter cakes and spent absorbents	F
070710*	other filter cakes, spent absorbents	F

08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVE, SEALANTS AND PRINTING INKS

0801 Wastes from the MFSU and removal of paint and varnish

08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances	R, F
08 01 12	waste paint and varnish other than those mentioned in 08 01 11	R, F
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances	R, F
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13	R, F

08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	R,F
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	R,F
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances	R,F
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17	R,F
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	R,F
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19	R,F
08 01 21*	waste paint or varnish remover	R,F

0803 Waste from MFSU of printing inks

080307	aqueous sludges containing ink	R,F
080308	aqueous liquid waste containing ink	R,F
08 03 12*	waste ink containing dangerous substances	R,F
08 03 13	waste ink other than those mentioned in 08 03 12	R,F
08 03 14*	ink sludges containing dangerous substances	R,F
08 03 15	ink sludges other than those mentioned in 08 03 14	R,F
08 03 17*	waste printing toner containing dangerous substances	R,F
08 03 18	waste printing toner other than those mentioned in 08 03 17	R,F
08 03 19*	disperse oil	R,F

0804 Wastes from MFSU of adhesives and sealants (including waterproofing products)

08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances	R,F
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	R,F
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances	R,F
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11	R,F
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances	R,F
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13	R,F
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances	R,F
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15	R,F
08 04 17*	rosin oil	R,F

09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY

0901 Wastes from the photographic industry

090103*	solvent-based developer solutions	R,F
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10 INORGANIC WASTES FROM THERMAL PROCESSES

10 02 wastes from the iron and steel industry

10 02 11*	wastes from cooling-water treatment containing oil	R,F
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1003 wastes from aluminium thermal metallurgy

10 03 17*	tar-containing wastes from anode manufacture	F
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10 03 27*	wastes from cooling-water treatment containing oil	R,F
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10 04 wastes from lead thermal metallurgy

10 04 09*	wastes from cooling-water treatment containing oil	R,F
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10 05 wastes from zinc thermal metallurgy

10 05 08*	wastes from cooling-water treatment containing oil	R,F
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10 06 wastes from copper thermal metallurgy

10 06 09*	wastes from cooling-water treatment containing oil	R,F
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10 07 wastes from silver, gold and platinum thermal metallurgy

10 07 07*	wastes from cooling-water treatment containing oil	R,F
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10 08 wastes from other non-ferrous thermal metallurgy

10 08 12*	tar-containing wastes from anode manufacture	F
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10 08 19*	wastes from cooling-water treatment containing oil	R,F
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11 WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY

11 01 wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)

11 01 13*	degreasing wastes containing dangerous substances	R,F
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11 01 14	degreasing wastes other than those mentioned in 11 01 13	R,F
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11 01 98*	other wastes containing dangerous substances	F
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11 02 wastes from non-ferrous hydrometallurgical processes

11 02 07*	other wastes containing dangerous substances	F
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12 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS

12 01 Wastes from shaping and physical and mechanical surface treatment of metals and plastics

12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)	F
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)	F
12 01 08*	machining emulsions and solutions containing halogens	F
12 01 09*	machining emulsions and solutions free of halogens	F
12 01 10*	synthetic machining oils	F
12 01 12*	spent waxes and fats	F
12 01 14*	machining sludges containing dangerous substances	F
12 01 15	machining sludges other than those mentioned in 12 01 14	F
12 01 19*	readily biodegradable machining oil	F

12 03 wastes from water and steam degreasing processes (except 11)

12 03 01*	aqueous washing liquids	R,F
12 03 02*	steam degreasing wastes	R,F

13 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)

13 01 waste hydraulic oils

13 01 01*	hydraulic oils, containing PCBs	F
13 01 04*	chlorinated emulsions	F
13 01 05*	non-chlorinated emulsions	F
13 01 09*	mineral-based chlorinated hydraulic oils	F
13 01 10*	mineral based non-chlorinated hydraulic oils	F
13 01 11*	synthetic hydraulic oils	F
13 01 12*	readily biodegradable hydraulic oils	F
13 01 13*	other hydraulic oils	F

13 02 waste engine, gear and lubricating oils

13 02 04*	mineral-based chlorinated engine, gear and lubricating oils	F
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils	F
13 02 06*	synthetic engine, gear and lubricating oils	F
13 02 07*	readily biodegradable engine, gear and lubricating oils	F
13 02 08*	other engine, gear and lubricating oils	F

13 03 waste insulating and heat transmission oils

13 03 01*	insulating or heat transmission oils containing PCBs	F
13 03 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01	F
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils	F
13 03 08*	synthetic insulating and heat transmission oils	F
13 03 09*	readily biodegradable insulating and heat transmission oils	F
13 03 10*	other insulating and heat transmission oils	F

13 04 bilge oils

13 04 01*	bilge oils from inland navigation	F
13 04 02*	bilge oils from jetty sewers	F
13 04 03*	bilge oils from other navigation	F

13 05 oil/water separator contents

13 05 01*	solids from grit chambers and oil/water separators	F
13 05 02*	sludges from oil/water separators	F
13 05 03*	interceptor sludges	F
13 05 06*	oil from oil/water separators	F
13 05 07*	oily water from oil/water separators	F
13 05 08*	mixtures of wastes from grit chambers and oil/water separators	F

13 07 wastes of liquid fuels

13 07 01*	fuel oil and diesel	R,F
13 07 02*	petrol	R,F
13 07 03*	other fuels (including mixtures)	R,F

13 08 oil wastes not otherwise specified

13 08 01*	desalter sludges or emulsions	F
13 08 02*	other emulsions	F

14 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS
(except 07 and 08)

14 06 waste organic solvents, refrigerants and foam/aerosol propellants

14 06 01*	chlorofluorocarbons, HCFC, HFC	F
14 06 02*	other halogenated solvents and solvent mixtures	R,F
14 06 03*	other solvents and solvent mixtures	R,F
14 06 04*	sludges or solid wastes containing halogenated solvents	F
14 06 05*	sludges or solid wastes containing other solvents	F

15 PACKAGING; ABSORBENTS; WIPING CLOTHS; FILTER MATERIALS
AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

1501 packaging (including separately collected municipal packaging waste)

150104	metallic packaging	F
150110*	packaging containing residues of or contaminated by dangerous substances	F

1502 Absorbents, filter materials, wiping cloths and protective clothing

150202*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	F
150203	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	F

16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST

16 01 end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 1608)

160107*	oil filters	F
160114*	antifreeze fluids containing dangerous substances	F
160115	antifreeze fluids other than those mentioned in 16 01 14	F
160121*	hazardous components other than those mentioned in 160107 to 160111 and 160113 and 160114	F

1603 Off-specification batches and unused products

160305*	organic wastes containing dangerous substances	R,F
160306	organic wastes other than those mentioned in 16 03 05	R,F

16 05 gases in pressure containers and discarded chemicals

160506*	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	F
160508*	discarded organic chemicals consisting of or containing dangerous substances	R,F
160509	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	R,F

16 07 wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)

16 07 08*	wastes containing oil	R,F
16 07 09*	wastes containing other dangerous substances	R,F

16 08 spent catalysts

16 08 06*	spent liquids used as catalysts	R,F
16 08 07*	spent catalysts contaminated with dangerous substances	R,F

16 10 aqueous liquid wastes destined for off-site treatment

16 10 01*	aqueous liquid wastes containing dangerous substances	R,F
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	R,F
16 10 03*	aqueous concentrates containing dangerous substances	R,F
16 10 04	aqueous concentrates other than those mentioned in 16 10 03	R,F

17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)

17 03 bituminous mixtures, coal tar and tarred products

17 03 01*	bituminous mixtures containing coal tar	F
17 03 03*	coal tar and tarred products	F

19 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE

19 01 Wastes from incineration or pyrolysis of waste

190106*	aqueous liquid waste from gas treatment and other aqueous liquid waste	R,F
190110*	spent activated carbon from flue gas treatment	F

19 02 wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)

19 02 03	premixed wastes composed only of non-hazardous wastes	R,F
19 02 04*	premixed wastes composed of at least one hazardous waste	R,F
19 02 05*	sludges from physico/chemical treatment containing dangerous substances	F
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	F
19 02 07*	oil and concentrates from separation	R,F
19 02 08*	liquid combustible wastes containing dangerous substances	R,F
19 02 09*	solid combustible wastes containing dangerous substances	R,F
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09	R,F
19 02 11*	other wastes containing dangerous substances	F

1903 stabilised / solidified wastes

190304*	wastes marked as hazardous, partly stabilised	F
190306*	wastes marked as hazardous, solidified	F

1908 Wastes from waste water treatment plants not otherwise specified

190806*	saturated or spent ion exchange resins	F
190807*	solutions and sludges from regeneration of ion exchangers	F
19 08 09*	grease and oil mixture from oil/water separation containing edible oil and fats	F
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09	F
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water	F
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water	F

19 09 wastes from the preparation of water intended for human consumption or water for industrial use

190904	spent activated carbon	F
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19 11 wastes from oil regeneration

19 11 01*	spent filter clays	F
19 11 02*	acid tars	F
19 11 03*	aqueous liquid wastes	F
19 11 04*	wastes from cleaning of fuel with bases	F
19 11 05*	sludges from on-site effluent treatment containing dangerous substances	F
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05	F

1912 wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified

191211*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	F
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1913 wastes from soil and groundwater remediation

191303*	sludges from soil remediation containing dangerous substances	F
191305*	sludges from groundwater remediation containing dangerous substances	F
191307*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances	F

20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

2001 Separately collected fractions (except 1501)

200113*	solvents	R,F
200117*	photochemicals	R,F
20 01 25	edible oil and fat	R,F
20 01 26*	oil and fat other than those mentioned in 20 01 25	R,F
20 01 27*	paint, inks, adhesives and resins containing dangerous substances	R,F
20 01 28	paint, inks, adhesives and resins other than those mentioned in 200127	R,F

NOTE 1: These are the acceptable waste categories as they would be defined by SRM. We have deliberately avoided the use of certain "catch-all" categories such as xx xx 99. Should however our customers consign their waste in such a manner, SRM reserve the right to accept the consignment providing SRM have already ascertained that the stream is indeed safe and suitable to process.

NOTE 2: SRM Morecambe also operate a thermal oxidiser for burning clean waste streams, mainly internal arisings of process effluent from solvent recovery. Where any suitable input from the above list meets the strict waste specification (ie halogens content, metals content, ash) these streams may also be diverted to direct thermal recovery by burning on CU1. As these are comparatively insignificant arisings, this processing route has not been explicitly separated out in the above list.