

Rye Process Plant

Permit number EPR/GP3437PL

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.

This variation authorises the acceptance of waste caustic under EWC code 06 02 04*; - sodium and potassium hydroxide. There is no additional risk associated with the inclusion of the new waste code. The site is permitted to treat hazardous waste by physico-chemical treatment.

The schedules 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 GP3437PL received	30/03/05	(Application reference EPR/GP3437PL/A001)
Response to request for information (Schedule 4 Notice)	Request 01/07/05	Response dated 03/08/05
Additional Information (Schedule 4 Response) – Modelling Report	Received 08/10/05	-
Additional Information (Schedule 4 Response) – revised WID/PPC variation existing co-incinerator application form	Dated 14/10/05	-
Request by email for changes to the modelling report and H1	Request 12/10/05	Response 04/11/05
Additional Information (Schedule 4 Notice)	Request 03/11/05	Response 14/11/05
Email requesting clarification of waste codes for vegetable oil	Request 15/11/05	Response 15/11/05
Additional Information	Received 14/12/05	Specification of all fuels and wastes
Permit GP3437PL determined	20/12/05	-
Variation Application HP3334LV	30/03/05	(Application reference EPR/GP3437PL/V002)
Variation HP3334LV determined	19/06/06	
Variation Application KP3636UN	Received 09/07/07	(Application reference EPR/GP3437PL/V003)
Variation KP3636UN determined	28/08/07	-
Variation Application ZP3330XN	Received 12/11/07	(Application reference EPR/GP3437PL/V004)
Variation ZP3330XN determined	06/02/08	-
Administrative variation EPR/GP3437PL/V005	Received 27/09/11	Change of company registered address (reference SP3731FQ)
Variation EPR/GP3437PL	15/11/11	Varied permit issued

Status log of the permit		
Description	Date	Comments
Administrative variation EPR/GP3437PL/V006	19/01/12	Change of company name and to correct the site address (reference WP3135CD)
Variation EPR/GP3437PL	16/02/12	Varied permit issued
Variation application EPR/GP3437PL/V007	30/03/12	Change of surface water volume discharge limit (reference DP3935CW)
Variation EPR/GP3437PL determined	25/04/12	Varied permit issued
Agency variation determined EPR/GP3437PL/V008	30/05/13	Agency variation to implement the changes introduced by IED
Variation application EPR/GP3437PL/V009	Duly made 19/11/13	Application to vary permit.
Variation determined EPR/GP3437PL/V009	12/12/13	Varied permit issued.
Variation application EPR/GP3437PL/V010	Duly made 22/04/14	Application to vary permit.
Variation determined EPR/GP3437PL/V010 (Billing ref NP3132VP)	13/05/14	Varied permit issued.

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/GP3437PL

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

whose registered office is
Whittle Close Engineer Park
Sandycroft
Desside
Flintshire
CH5 2QE

company registration number **03890526**

to operate a regulated facility at
Rye Process Plant
Lime Kiln Works
Rye Harbour Road
Rye
East Sussex
TN31 7TE

to the extent set out in the schedules.

The notice shall take effect from 13/05/2014.

Name	Date
Thomas Ruffell	13/05/2014

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 a result of the application made by the operator

Table S6.1 as referenced in Schedule 6 – List of Permitted Wastes.

Table S6.1 Permitted waste types and quantities for solvent recovery	
Waste code	Description
03 02 01*	non Halogenated wood preservatives
03 02 02*	organochlorinated wood preservatives
03 02 05*	other wood containing preservatives containing dangerous substances
04 02 14*	wastes from finishing containing organic solvents
04 02 16*	dyestuffs and pigments containing dangerous substances
05 01 05*	oil Spills
06 02 04*	sodium and potassium hydroxide
07 01 01*	aqueous washing liquids and mother liquors
07 01 03*	organic Halogenated solvents, washing liquids and mother liquors
07 01 04*	other organic solvents, washing liquids and mother liquors
07 02 01*	aqueous washing liquids and mother liquors
07 02 03*	organic Halogenated solvents, washing liquids and mother liquors
07 02 04*	other organic solvents, washing liquids and mother liquors
07 03 03*	organic Halogenated solvents, washing liquids and mother liquors
07 03 04*	other organic solvents, washing liquids and mother liquors
07 04 03*	organic Halogenated solvents, washing liquids and mother liquors
07 04 04*	other organic solvents, washing liquids and mother liquors
07 05 01*	aqueous washing liquids and mother liquors
07 05 03*	organic Halogenated solvents, washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 06 01*	aqueous washing liquids and mother liquors
07 06 03*	organic Halogenated solvents, washing liquids and mother liquors
07 06 04*	other organic solvents, washing liquids and mother liquors
07 07 01*	aqueous washing liquids and mother liquors
07 07 03*	organic Halogenated solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 17*	waste form paint or varnish removal containing organic solvents or other dangerous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous solvents
08 01 21*	waste paint or varnish remover
08 03 12*	waste ink containing dangerous substances
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 13*	aqueous sludges containing adhesive or sealants containing organic solvents or other dangerous substances
09 01 03*	solvent based developer solutions

Table S6.1 Permitted waste types and quantities for solvent recovery	
Waste code	Description
11 01 11*	aqueous rinsing liquids containing dangerous substances
11 01 13*	degreasing wastes containing dangerous substances
13 07 01*	fuel Oil and Diesel
13 07 02*	petrol
13 07 03*	other fuels (including mixtures)
14 06 02*	other halogenated solvents and solvent mixtures
14 06 03*	other solvents and solvent mixtures
16 01 13*	brake fluids
16 01 14*	antifreeze fluids containing dangerous substances
16 03 05*	organic wastes containing dangerous substances
16 03 06*	organic wastes other than those mentioned in 16 03 05
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances
16 07 08*	wastes containing oil
16 07 09*	wastes containing other dangerous substances
18 01 06*	chemicals consisting of or containing dangerous substances

Schedule 3 – conditions to be added

None



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Rye Solvent Recovery and
Esterification Plant
Solvent Resource Management Ltd
Lime Kiln Works
Rye Harbour Road
Rye
East Sussex
TN31 7TE

Variation Notice Number
ZP3330XN

Permit number
GP3437PL

SCSK518 GDN

Solvent Resource Management Limited Solvent Recovery and Esterification Plant

Permit Number GP3437PL

Introductory note

This introductory note does not form a part of the permit

The following notice is issued under regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a permit issued under the Regulations to operate an installation. The notice comprises schedule A containing conditions to be deleted, schedule B conditions to be amended and schedule C conditions to be added.

This variation was issued following an application from the permit holder to vary the permit to allow them to discharge uncontaminated water from bunds, following chemical analysis, and discharging the water to the river Rother. Bund water will be stored in a dedicated storage tank where it will be tested for key parameters. If the testing is satisfactory it will be transferred to fibreglass tank J8 with apron waters. This tank will be also be analysed. If it passes the second set of analysis it then passes to tank J9 where another suite of chemical analysis takes place. Finally this water is passed to tank J10 where it mixes with boiler and cooling water blow down waters, before passing to tanks J11 and J12 where further chemical analysis takes place prior to discharge. The existing discharge limits in the permit remain the same and the variation will considerably reduce energy use in the distillation and oxidation of uncontaminated water.

It has also been agreed with the operator that waste that meets an agreed specification, when burnt in the boilers, will be considered as a product. Therefore, the reference to the emission points for the boilers being a listed activity have been removed and included as a directly associated activity in Table 1.1.1. The dates for measuring class A and B VOC's from release point A1 have been put back by three months. The Reporting Forms have been amended to reflect the changes to the permit.

All previous conditions have been deleted and a new consolidated version of the permit has been granted under the terms of this variation.

Status Log

Detail	Date	Response date
Application GP3437PL	Received 30/03/2005	
Response to request for information (Schedule 4 Notice)	Request dated 01/07/2005	Response dated 03/08/05
Request to extend determination by letter	Request dated 27/09/2005	Request accepted by e-mail 04/10/2005
Additional information (Schedule 4 response)- Modelling report	Received 8/10/2005	
Additional information (Schedule 4 Response)- revised WID/PPC variation existing co-incinerator application form.	Dated 14/10/2005	
Request by e-mail for changes to the modelling report and H1	Request dated 12/10/2005	Response 04/11/05
Additional information (Schedule 4 Notice)	Request dated 3/11/2005	Response 14/11/05
e-mail requesting clarification of waste codes for vegetable oil	Request dated 15/11/05	Response 15/11/05
Additional information (Specification of all fuels and wastes)		Received 14/12/05
Permit Determined	20 December 2005	
Variation Notice HP3334LV	19/06/06	
Variation Application KP3636UN	Received 9/7/07	
Variation KP3636UN Determined	28/08/07	
Variation Application ZP3330XN	Duly made 04/12/07	
Request from operator to remove boilers from listed activities as they are burning an agreed Product Grade Distillate	Request made 23/11/07	17/1/08
Additional information requesting information on Product Grade Distillate as fuel	Requested by EA by e-mail on the 17/1/08	Response 23/1/08
Variation ZP3330XN Determined	6 February 2008	

Superseded Authorisation relating to this installation

Holder	Reference Number	Date of issue	Fully or Partially Superseded
Solvent Resource Management Ltd	AG8039	9/4/1993	Fully superseded

End of Introductory Note

General

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000

Variation Notice

Permit number

GP3437PL

Variation number

ZP3330XN

The Environment Agency (the Agency) in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby varies the permit held by you

Solvent Resource Management Limited ("the operator"),

whose registered office is

**PARK SQUARE, 3160 SOLIHULL
PARKWAY, BIRMINGHAM BUSINESS
PARK, BIRMINGHAM
WEST MIDLANDS B37 7YN**

company registration number 3890526

to operate an installation at

**Lime Kiln Works
Rye Harbour Road
Rye
East Sussex
TN31 7TE**

to the extent set out in schedules A to C of this variation notice .

The notice shall take effect from 6 February 2008

Signed

Date

	<i>6 Feb 2008</i>
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Jane Longman

Authorised to sign on behalf of the Agency

General

SCHEDULE A – CONDITIONS TO BE DELETED

1. All previous conditions, Tables and Schedules of permit GP3437PL and Variations HP3334LV and KP3636UN shall be deleted.

SCHEDULE B – CONDITIONS TO BE AMENDED

2. None

SCHEDULE C – CONDITIONS TO BE ADDED

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

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
9 10 Section 5.4A(1)(a): The recovery by distillation of oils or solvents	Operation of six distillation units, reboiler heat exchangers, distillation columns, decanters and condensers, feed and product tanks	From the receipt of material for processing from road or bulk tank through the distillation/separation process to the transfer of separated materials to storage or disposal.
Section 1.1A(1)(b)iii - "Burning any of the the following fuels in an appliance with a rated thermal input of 3 megawatts or more but less than 50 megawatts unless the activity is carried out as part of a Part A(2) or B activity- (iii) any fuel manufactured from, or comprising, any other waste."	Combustion unit comprising of the thermal oxidiser (3.1 MW thermal input) for the supply of process steam	Co-incineration of waste, from the evaluation and receipt of waste, through to storage, on-site pre-treatment facilities, waste systems, fuel systems, air supply systems, stack devices and systems for controlling incineration operations, recording and monitoring incineration conditions.

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Section 4.1A(1)(a)ii Producing Organic Chemicals such as – Esters	Production of esters	From the receipt of raw materials through the manufacturing process to the transfer of produced ester and waste to storage or disposal.
Directly associated Activity	Handling and storage of raw materials	Unloading bulk road tankers and transfer to tank farm, transfer from tank farm to distillation units feed tank. Handling and storage of entrainers or additives used to control pH, anti-oxidants, stabilisers in distillation units.
Directly associated Activity	Handling and storage of recovered (product) solvents	Transfer from distillation unit to tank farm, loading of bulk road tankers from tank farm or distillation units.
Directly associated Activity	Handling and storage of waste solvents (aqueous phase, lights and residues)	Transfer from distillation unit to tank farm, loading of bulk road tankers from tank farm or distillation units.
Directly associated activity	Handling and storage of esters	Transfer from reactors to tanks, loading of bulk road tankers from the storage tanks or reactors
Directly associated activity	Handling and storage of glycerine and residual alcohol/water for recovery	Transfer from reactors for either recovery by distillation or disposal
Directly associated Activity	Air Emissions Abatement, by condensers and scrubbers	Abatement of all major process vessels subject to the requirements of IC 5.
Directly associated Activity	Bollers 1 (6.2 MW thermal input) and 2 (3.4 MW thermal input) for the supply of process steam	Fuel systems, air supply systems and systems for controlling boiler operations for producing process steam.

1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown dashed in red (the installation boundary) 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, unless otherwise agreed in writing with the Agency, 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
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	1 st September 2006

General

	submitted in writing to the Agency, along with a timetable for the implementation of improvements identified.	
2	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.
3	The operator shall install high -level/ high- high alarms to tanks of > 50m ³	December 31 st 2007
4	The operator shall install high -level/ high- high alarms to tanks of < 50m ³	December 31 st 2008
5	All bulk solvent storage tanks shall be connected to the VOC capture system	December 31 st 2008 -
6	The VOC capture system shall be upgraded to stainless steel	December 31 st 2009 - 2015
7	All hard-standing and bunded storage areas other than those detailed in 8 and 9 below shall be repaired/ refurbished so that all bunded areas are capable of containing 110% capacity of the largest tank contained within the bund and shall be impermeable to the materials contained therein. Hardstanding areas shall be repaired/ refurbished so that they are impermeable to any chemical that may be stored on it. All bunds shall be rendered or treated so that they are resistant to the material that they contain.	31 st December 2006
8	The horizontal tank detailed in section 4.3 of the Application site report shall be emptied of its contents and not used until the bund has been constructed such that it is not overhanging the tank bund and is capable of retaining more than 110% of the tanks contents. This bund shall be rendered/ treated so that it is resistant to the material that it is designed to contain.	30 th June 2006.
9	The drum storage bund in the north-east of the process area shall be repaired/ refurbished so that it can contain the contents of any drums authorised under this permit that may leak. This bund shall be rendered/ treated so that it is resistant to the material that it is designed to contain.	30 th June 2006.
10	No waste drums or IBC's shall be stored more than two high unless the operator has agreed other appropriate storage arrangements in writing with the Agency.	31 st December 2007
11	The operator shall compare existing non- COMAH procedures and risk register against those set out in the Environment Agency sector guidance note S5.06 pages 93-97. This report shall highlight any differences or omissions between these documents and suggest changes to the procedures, to modify them to deal with the differences/ omissions in accordance with the Environment Agency guidance. This report shall specify a date by which your procedures will be modified and the changes to the procedures shall be implemented by this date.	31 st December 2006
12	The operator shall submit a site closure plan which as a minimum shall deal with points 1-4 in section 2.11 of the Environment Agency sector guidance Note IPPC S5.06. This report shall also detail how noise shall be minimised during the decommissioning process.	31 st December 2008 ✓
13	The operator shall submit a report with recommendations for either upgrading or replacing the VOC scrubber so that VOC emissions meet the sector guidance note thresholds detailed in paragraph 3.11 of the Environment Agency sector guidance note IPPC S5.06.	31 st December 2006
14	The operator shall submit a report detailing how fugitive VOC emissions from storage tanks shall be reduced. This report shall make recommendations for reducing emissions and suggest timescales for implementing the recommendations. All recommendations shall be implemented within the time limits suggested in the report.	31 st December 2006
15	The operator shall conduct an assessment of the rate of Nitrogen deposition at certain habitat sites to be agreed with the Agency. The exact details of the assessment shall be agreed with the Agency before the assessment is undertaken, but as a minimum , will provide information in respect of Nitrogen deposition at the sites under wet and dry conditions and in summer and winter to allow for seasonal fluctuations.	28/2/07

General

16	The results of the assessment in IC15 above shall be used to assess the impacts, if any, of the installation on the agreed habitat sites and a report on the assessment submitted to the Agency.	31/3/08
17	If the report in IC16 above demonstrates that the Oxides of Nitrogen from the site are impacting on a habitat site or sites the operator shall provide a report with firm timescales for reducing these emissions to a level where it will not have a significant impact on the habitat site. The changes in the report shall be implemented within the timescales specified.	30/9/08
18	The operator shall review the potential use of uncontaminated water for use in ancillary processes on site. This report shall make recommendations for improvements to the site infrastructure, if required, and a timetable for implementation. A full justification shall be made justifying why it is not feasible to reuse water on site if this is the conclusion of the report. All recommendations of the report shall be implemented within the timescale specified.	31/03/10

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

Operating conditions

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 pages 26 to 42, and 50 to 54 of the Report.	30 th March 2005
Additional Information (Schedule 4 Notice(dated 1/7/05) response)	Responses to questions 1- 15 and 20 of the Application submitted as part of the Schedule 4 Notice response.	3 rd August 2005 8 th October 2005 14 th October 2005 - (response dated)
Additional Information (Schedule 4 Notice(dated 3/11/05) response)	Response to questions 7-15, 17-23, 25, 27, 30-31, 34,36, 39,41 and 44 of the Application submitted as part of the Schedule 4 Notice response.	14 th November 2005
Additional Information	Specification of all fuels and waste	14 th December 2005
Application for Variation KP3636UN	"The proposed esterification process at SRM" and Sections C2.1,2.2.3, 2.4, 2.8 and 2.10 of Document Reference No. 2	9 July 2007
Application for Variation ZP3330XN	Sections C2.1,C2.2, C2.3,C2.5, C2.6, C2.7.1, C2.8, C2.9, C2.10, and C3.1 of Document Reference No. 2	12 November 2007

- 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
Aqueous effluent – WT2	Aqueous waste contaminated with solvents, and waste solvent	Thermal Oxidiser 6,265 tonnes/year

Operating conditions

- 2.1.4 No condition applies.
- 2.1.5 The Operator shall ensure that prior to accepting waste at the Permitted Installation, it has obtained sufficient information about the waste to be processed.
- 2.1.6 The operator shall take representative samples of all waste deliveries unless otherwise agreed in writing with the Agency and test a representative selection of these samples to verify conformity with the information obtained as required by condition 2.1.5.
- 2.1.7 From the 28th December 2005, waste shall not be charged to the thermal oxidiser 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.
- Aqueous effluent (WT2) shall not be charged to the thermal oxidiser if the temperature of the combustion chamber falls below 850°C.
- 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 emissions 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.
- 2.1.13 Each tank of water detailed in Table 2.2.5 shall be sampled and tested for the parameters specified in this table before being transferred to the holding tank.
- 2.1.14 The buffer storage tank shall be analysed for the relevant parameters specified in Table 2.2.5 prior to pumping its contents through the interceptor.

Operating conditions

- 2.1.15 All contaminated water shall be pumped to the thermal oxidiser feed tank for disposal unless otherwise being taken off-site for disposal.

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	VOC Vent Stack	RP1 on Drawing SRM-RYR-00001 Revision E submitted with the schedule 4 response dated 11/11/05
A2	Boiler 1 (main boiler) stack	RP2 on Drawing SRM-RYR-00001 Revision E submitted with the schedule 4 response dated 11/11/05
A3	Boiler 2 (Standby boiler) stack	RP3 on Drawing SRM-RYR-00001 Revision E submitted with the schedule 4 response dated 11/11/05
A4	Thermal Oxidiser	RP4 on Drawing SRM-RYR-00001 Revision E submitted with the schedule 4 response dated 11/11/05

- 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	Volatile Organic Compounds	7.5 kg/h ¹²	Hourly	Calibrated Gas Chromatograph ¹¹
A1	Benzene	0.1 kg/hr ¹²	Hourly	Calibrated Gas Chromatograph ¹¹
A1	Methylene Dichloride	0.4 kg/hr ¹²	Hourly	Calibrated Gas Chromatograph ¹¹
A1	Class A VOC's	0.1 kg/hr ¹³	Hourly	Calibrated Gas Chromatograph ¹¹
A1	Class B VOC's ¹³	N/A	Hourly	Calibrated Gas Chromatograph ¹¹
A4	Particulate matter	18 mg/m ³ daily average ¹⁰	Continuous measurement	BS EN 13284-2 ⁸ 6

Operating conditions

A4	Total Organic Carbon (TOC)	18 mg/m ³ daily average ¹⁰	Continuous measurement	BS EN 12619 ^{8 6}
A4	Total Organic Carbon (TOC)	36 mg/m ³ ½-hr average ¹⁰	Continuous measurement	BS EN 12619 ^{8 6}
A4	Hydrogen chloride	18 mg/m ³ periodic over minimum 1- hour period ¹⁰	Bi-annual	BS EN 1911
A4	Hydrogen fluoride	2 mg/m ³ periodic over minimum 1- hour period ¹⁰	Bi-annual	USEPA Method 26/26A
A4	Carbon monoxide	90 mg/m ³ daily average ¹⁰	Continuous measurement	ISO 12039 ^{8 4}
A4	Carbon monoxide	180 mg/m ³ ½-hr average ¹⁰	Continuous measurement	ISO 12039 ^{8 4}
A4	Sulphur dioxide	90 mg/m ³ periodic over minimum 1- hour period ¹⁰	Bi-annual	BS 6069-4.1
A4	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	480 mg/m ³ daily average ¹⁰	Continuous measurement	ISO 10849 ^{8 5}
A4	Cadmium & thallium and their compounds (total) ²	0.06 mg/m ³ periodic over minimum 30 minute, maximum 8 hour period ¹⁰	Bi-annual	BS EN 14385
A4	Mercury and its compounds ²	0.06 mg/m ³ periodic over minimum 30 minute, maximum 8 hour period ¹⁰	Bi-annual	BS EN 13211

⇒ BS 15058
⇒ BS 15058
⇒ BS 14791
⇒ BS EN 14792

Operating conditions

A4	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 ¹⁰	Bi-annual	BS EN 14385
A4	Dioxins / furans (I-TEQ)	0.12 ng/m ³ periodic over minimum 6 hours, maximum 8 hour period ³ 10	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: As Note 4, except that the value of the confidence interval is 40% in place of 10%.

Note 8: MCERTS certification to the appropriate ranges and determinands is a demonstration of compliance to the applicable standards.

Note 9: The certification range for MCERTS equipment should be 1.5 times the daily emission limit value.

Note 10: Emission limits for emission point A4 applies from 28 December 2005.

Note 11: MCERTS for emissions monitoring for emission point A1 is not required.

Note 12: Until 31/3/2008

Note 13: From 01/04/2008

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.

Operating conditions

Table 2.2.3 Annual limits

Substance	Limit - kg
Class B VOC's (from release point A1)	5000 ¹

Note: 1 this limit applies from 01/04/2008

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 specified in Table 2.2.4 shall only arise from the source specified in that Table

Table 2.2.4 Emission point to water

Emission point reference or description	Source	Receiving water
W2 on the site plan attached to schedule 5 of this permit	Cooling water blowdown, boiler blow down, bund water and collected site rain water.	River Rother

- 2.2.2.4 The limits for the emissions to water for the parameter(s) and emission point(s) 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, for a release from W2, 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 Period)	Reference	Monitoring frequency	Collection tank number
N/A	COD	No limit		Quarterly	J8, J9
N/A	Suspended solids	No limit		Quarterly	J8, J9
N/A	Temperature	No limit		Quarterly	J9, J11, J12
N/A	pH	No limit		Quarterly	J8, J9
N/A	GC analysis ¹	No limit		Quarterly	J8, J9
N/A	Metals analysis ²	No limit		Quarterly	J8, J9
N/A	Prescribed substances ³	No limit		Quarterly	J8, J9
N/A	Volume	No limit		Quarterly	J8, J9
W2	Total Flow	50 Cubic metres per day		Each discharge	
W2	Visible oil and	No visible oil or grease		Each	

Operating conditions

	grease		discharge
W2	Temperature	32°C May/October 25°C remainder of year	Quarterly
W2	Suspended solids	<60 mg per litre	Quarterly
W2	pH (range)	6<pH<9	Quarterly
W2	Carbon tetrachloride	36 microgrammes per litre	Quarterly
W2	Chloroform	36 microgrammes per litre	Quarterly
W2	Mercury	0.9 microgrammes per litre	Monthly
W2	Arsenic	75 microgrammes per litre	Monthly
W2	Iron	3000 microgrammes per litre	Each discharge
W2	Lead	75 microgrammes per litre	Monthly
W2	Nickel	90 microgrammes per litre	Monthly
W2	Zinc	1000 microgrammes per litre	Each discharge
W2	Benzene	90 microgrammes per litre	Quarterly
W2	Toluene	120 microgrammes per litre	Quarterly
W2	Xylene	90 microgrammes per litre	Quarterly

- Notes:
- 1 The GC analysis shall include benzene, toluene, Xylene, chloroform, dichloromethane and carbon tetrachloride.
 - 2 The metals to be analysed at each discharge are zinc and iron.
 - 3 Every month samples shall be sent for external analysis at an MCERTS accredited laboratory for arsenic, lead, mercury, nickel, zinc and iron.

2.2.2.6 No condition applies.

Emissions to sewer

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

2.2.2.8 No condition applies

2.2.2.9 No condition applies

2.2.2.10 No condition applies

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)).

Operating conditions

- 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.

Operating conditions

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.

2.2.6.2 No condition applies.

2.2.6.3 No condition applies.

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.

Operating conditions

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
Thermal Oxidiser 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
Product Grade Distillate (PGD) fuel specification	When burning PGD the feed specification shall be limited to the specification detailed in letter dated 21/12/2006 unless otherwise agreed in writing by the Agency.

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.

Operating conditions

- 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 Section 2.4 of the Application (section 2.4, 4.10 and 4.11 of the Report) 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 or description submitted in Section 2.6 of the Application (section 2.11, 3.5 and 4.5 of the Report) 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 and implement 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.

Operating conditions

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 or described in Sections 1.5 and 4.6 of the Report. 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, e.g. of fans, pumps, motors, conveyors and mobile plant;
- use and maintenance of appropriate attenuation, e.g. 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 No condition applies.

Operating conditions

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 Table 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
A4	temperature	continuous (from the 28 th December 2005)	As described in the Application	
A4	pressure	continuous (from the 28 th December 2005)	As described in the Application	
A4	oxygen content	continuous (from the 28 th December 2005)	As described in the Application	
A4	water vapour content	continuous (from the 28 th December 2005)	As described in the Application	
A4	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)	
A4	Dioxin-like PCBs (WHO-TEQ ¹ Fish)	Bi-annual periodic measurement, average value over sample	To be determined utilising sampling and analytical	

Operating conditions

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
		period of between 6 and 8 hours.	techniques developed for dioxins/furans (BS EN 1948)	
A4	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)	
A4	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.	
A4	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)	
A4	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)	
A4	Dioxins / furans (WHO-TEQ ¹ Birds)	Bi-annual periodic measurement,	To be determined utilising sampling and	

Operating conditions

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
		average value over sample period of between 6 and 8 hours.	analytical techniques developed for dioxins/furans (BS EN 1948)	
Thermal Oxidiser- near the inner wall	Temperature (° C)	Continuous	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: Continuous monitoring of process parameters for emission point A4 applies from 28th December 2005.

- 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.

Operating conditions

2.10.12 The Operator shall, within 6 months of the issue of this Permit, in accordance with and using the format given in the Land Protection Guidance:

2.10.12.1 collect the site reference data identified in the Site Protection and Monitoring Programme submitted under condition 4.1.8, and

2.10.12.2 report that site reference data to the Agency,

unless otherwise agreed in writing by the Agency.

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 condition applies.

2.13.2 No condition applies.

Records

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.

Reporting

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 at least three 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 two 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.

Notifications

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; and
 - 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 notifications 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 4.1.8 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.

Interpretation

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 the thermal oxidiser.

"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 or otherwise submitted in writing in support of the Application, any information submitted in support of a variation to this permit 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" means twice per year with at least five months between tests.

"CEM" Continuous emission monitor.

"CEN" means Comité Européen de Normalisation.

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

"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

"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.

"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 of 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 7.00am.

"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.

"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.

"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 6.1.2.

"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.

"Prescribed substances" means those substances listed in part 2 paragraph 13 to Schedule 1 of The Pollution Prevention and Control (England and Wales) Regulations 2000, as amended.

"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.

"Report" means the IPPC Application Reference GP3437PL Report dated March 2005

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

Interpretation

"*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.

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

"*µg/l*" means microgramme per litre.

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

"*kg*" means kilogramme.

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

"*kg/day*" means kilogramme per day.

"*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:-

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.

Interpretation

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

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

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	
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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 installation in the preceding 24 months.	

Schedule 1 - Notification of abnormal emissions

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

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.

Schedule 2 - Reporting of monitoring data

Table S2 Reporting of monitoring data

Parameter	Emission point/ Collection point	Reporting period	Period begins
Volatile Organic Compounds kg/hr	A1	Bi-annually	01/01/06
Benzene kg/hr	A1	Bi-annually	01/01/06
Methylene Dichloride kg/hr	A1	Bi-annually	01/01/06
Sulphur dioxide mg/m ³	A4	Bi-annually	01/01/06
Total Organic Carbon (TOC) mg/m ³	A4	Bi-annually	01/01/06
Oxides of nitrogen mg/m ³	A4	Bi-annually	01/01/06
Hydrogen chloride mg/m ³	A4	Bi-annually	01/01/06
Hydrogen Fluoride mg/m ³	A4	Bi-annually	01/01/06
Particulates mg/m ³	A4	Bi-annually	01/01/06
Carbon monoxide mg/m ³	A4	Bi-annually	01/01/06
Cadmium & Thallium and their compounds (total) mg/m ³	A4	Bi-annually	01/01/06
Mercury and its compounds mg/m ³	A4	Bi-annually	01/01/06
Antimony, Arsenic, Lead, Chromium, Cobalt, Copper, Manganese, Nickel and Vanadium and their compounds (total) mg/m ³	A4	Bi-annually	01/01/06
Dioxins/furans (I-TEQ)	A4	Bi-annually	01/01/06
Dioxins / furans(WHO-TEQ Humans / Mammals)	A4	Bi-annually	01/01/2006
Dioxins / furans (WHO-TEQ Fish)	A4	Bi-annually	01/01/2006
Dioxins / furans (WHO-TEQ Birds)	A4	Bi-annually	01/01/2006
Dioxin-like PCBs (WHO-TEQ Humans/Mammals)	A4	Bi-annually	01/01/06
Dioxin-like PCBs (WHO-TEQ Fish)	A4	Bi-annually	01/01/06
Dioxin-like PCBs (WHO-TEQ Birds)	A4	Bi-annually	01/01/06
Poly-cyclic aromatic hydrocarbons (PAHs)	A4	Bi-annually	01/01/06
COD	J8, J9	Quarterly	01/01/06
Suspended solids mg/l	J8, J9	Quarterly	01/01/06
Temperature °C	J9, J11, J12	Quarterly	01/01/06
pH	J8, J9	Quarterly	01/01/06
GC analysis	J8, J9	Quarterly	01/01/06
Metals analysis	J8, J9	Quarterly	01/01/06
Prescribed substances	J8, J9	Quarterly	01/01/06
Volume m ³	J8, J9	Quarterly	01/01/06
Total flow m ³ /day	W2	Quarterly	01/01/06
Temperature °C	W2	Quarterly	01/01/06
Suspended solids	W2	Quarterly	01/01/06
pH	W2	Quarterly	01/01/06
Visible oil and grease	W2	Quarterly	01/01/2006
Carbon Tetrachloride µg/l	W2	Quarterly	01/01/2006
Chloroform µg/l	W2	Quarterly	01/01/2006
Mercury µg/l	W2	Quarterly	01/01/06
Arsenic µg/l	W2	Quarterly	01/01/06
Iron µg/l	W2	Quarterly	01/01/06
Lead µg/l	W2	Quarterly	01/01/06
Nickel µg/l	W2	Quarterly	01/01/06

Schedule 2 - Reporting of monitoring data

Zinc µg/l	W2	Quarterly	01/01/06
Benzene µg/l	W2	Quarterly	01/01/06
Toluene µg/l	W2	Quarterly	01/01/06
Xylene µg/l	W2	Quarterly	01/01/06
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
Performance Indicators	Permitted Installation	Annually	01/01/06

Schedule 3 - Forms to be used

Schedule 3 - Forms to be used

Media / parameter	Form number	Date of form
Air: Periodic monitored emissions biannually	Agency Form / GP3437PL / A1 / January 2008	January 2008
Air: Continuously monitored emissions of particulate matter	Agency Form / GP3437PL / A2 / January 2008	January 2008
Air: Continuously monitored emissions of TOC	Agency Form / GP3437PL / A3 / January 2008	January 2008
Air: Continuously monitored emissions of Carbon monoxide	Agency Form / GP3437PL / A4 / January 2008	January 2008
Air: Continuously monitored emissions of oxides of nitrogen A4	Agency Form / GP3437PL / A7 / January 2008	January 2008
Air : Continuous monitored emissions of VOC's from A1	Agency Form / GP3437PL / A8 / January 2008	January 2008
Water : Quarterly monitoring returns for discharge to the river Rother	Agency Form / GP3437PL / W1 / January 2008	January 2008
Water : Quarterly returns for sampling from water holding tanks	Agency Form / GP3437PL / W2 January 2008	January 2008
Energy	E1	January 2008
Waste Return	R1	January 2008
Water usage	WU1	January 2008
Performance indicators	PI1	January 2008

Schedule 4 - Reporting of performance data

Schedule 4 - Reporting of performance data

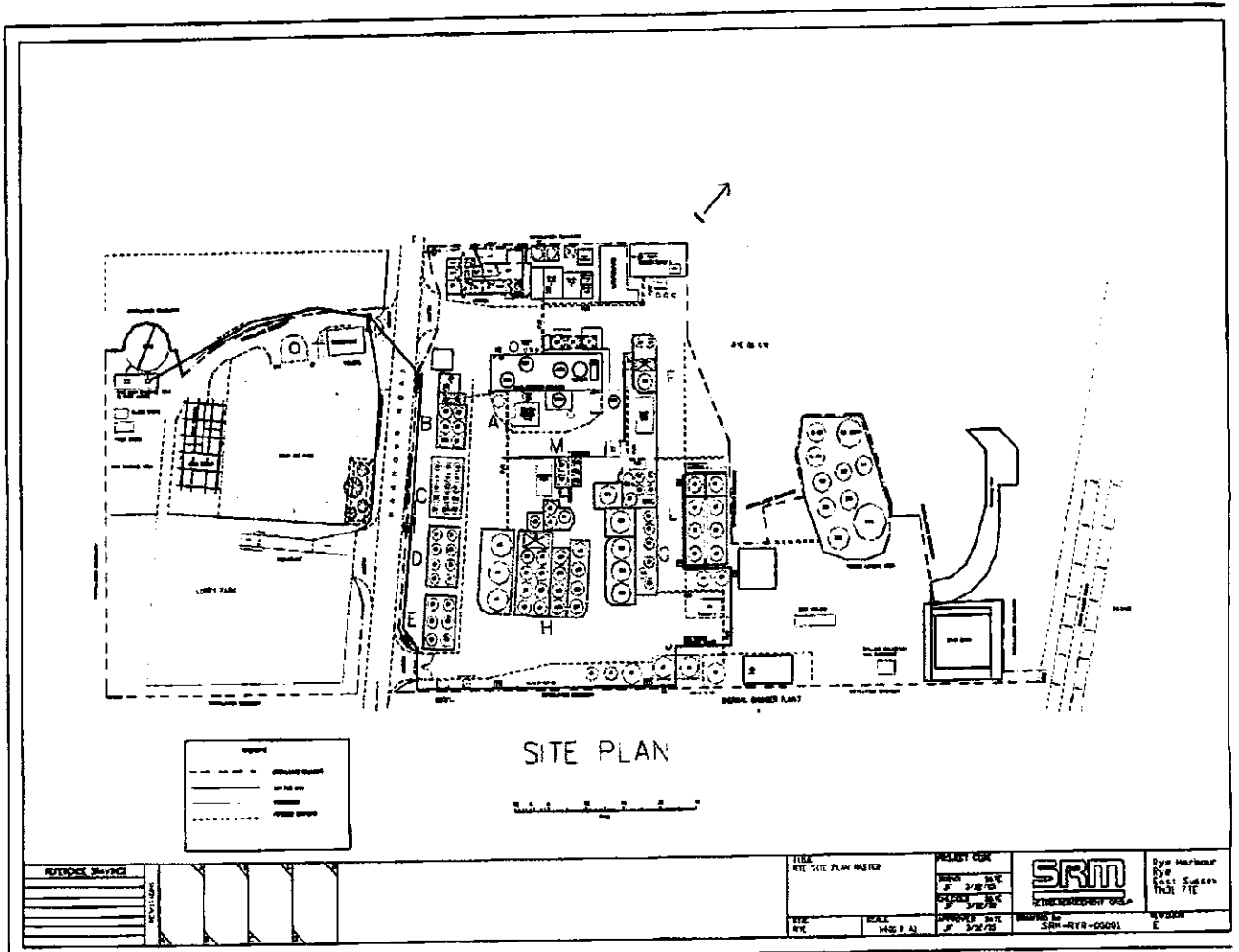
Data required to be recorded and reported by Condition 4.1.3. The data should be assessed at the frequency given and reported annually to the Agency.

Table S4.1: Annual Production/Treatment	
Distillation process residues (for kln fuel)	(tonnes)
Production of recovered solvent fuel	(tonnes)
Total recovered solvent fuel used in boiler 1	(tonnes)
Total recovered solvent fuel used in boiler 2	(tonnes)
Total recovered solvent fuel used in Thermal Oxidiser	(tonnes)
Total esters produced	(tonnes)

Table S4.2: Performance parameters		
Parameter	Frequency assessment	of Performance indicator
Energy Consumption	Annually	MWh/t of recovered product

Schedule 5 - Site plan

Schedule 5 - Site plan



Schedule 6 - List of Permitted Wastes For Incineration

Schedule 6 - List of Permitted Wastes For Incineration

Permitted Waste Types		
Description	European Waste Catalogue Number (where available) or other specification	Waste type as defined in Table 2.1.2
Liquid combustible wastes including dangerous substances. Total Halogenates and sulphur content shall be a maximum of 0.1%	EWC 190208	hazardous waste WT1-blend of distilled solvents and hydrocarbons (typically toluene, esters and alcohols). Total halogen and sulphur content less than 0.1%
Liquid combustible wastes containing dangerous substances.	EWC 190208 / EWC 190210	hazardous waste WT2- aqueous waste contaminated with solvents, and waste solvent (typically alcohols, with esters, ketones and hydrocarbons)