

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Centec International Limited

The Science Park
Brooks Lane
Middlewich
Cheshire
CW10 OJG

Variation application number
EPR/BS3859IF/V003

Permit number
EPR/BS3859IF

The Science Park

Permit number EPR/BS3859IF

Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made.

All the conditions of the permit have been varied and are subject to the right of appeal.

The Operator conducts a range of chemical operations including: (a) the toll recovery of solvents and components, and (b) the manufacture of fine chemicals.

The processes involve the use of reaction vessels, a main fractionating column, packed with proprietary packing, and condensers. The equipment can be connected in a number of ways such as each reactor can conduct fractionation or single plate distillations. Process control is effected by altering the reflux return, the temperature of the condensate and the steam heating supply to the reactor. The condensers are water cooled with supply from a cooling tower.

Raw materials and materials for recovery are received either in drums or by road tanker. Drums are fed directly into the reactors with extraction at the drum connected to the plant abatement system.

All vents from the reactors and distillation processes pass to an abatement system. This consists of a number of scrubbers using mainly gas oil and water as the normal absorption fluids, although alternative absorption fluids can be used. The scrubbers and vacuum pumps can be linked in a number of ways depending on the materials being processed. The final release from the process is via a vent, which discharges at a height of 20 metres above ground level, 3 metres above the highest part of the building.

The substances released are residual vapours not removed by the abatement system.

The process area is contained, and all wastewater and any spillages are collected in storage pits located within a bunded area outside the main reactor building. Collected water can be re-used in the plant or if it is unsuitable, pumped to a waste storage tank. Wastewater is either discharged to sewer or sent off site for disposal.

The effluent from the Installation is discharged to sewer via consent with United Utilities.

The range of chemicals to be processed and materials produced is within a “Multi-product Protocol” agreed with the Environment Agency. The protocol allows the Operator to describe the steps and assessments undertaken prior to the introduction of a new product and recovery process.

This Variation adds activity 5.6 (A) (i) (a)(ii) to allow for additional storage of waste, construction of bulk storage facilities, and to add 5.3 A(1) a (x), as an amendment following the IED variation and to add wastes types under The List of Wastes (England) Regulations 2005. It also extends the Installation boundary.

This variation also incorporates the changes required by the Industrial Emissions Directive.

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/BS3859IF received	21/08/03	Not duly made
Additional information received	Duly made 09/12/2003	
Additional information received	07/06/2004	Details of potential new product manufacture
Paragraph 4 to Schedule 4 Notice requiring further information	02/09/2004	Multi – Product Protocol, Site Report Data Gaps, Emissions and Effects
Permit EPR/BS3859IF determined	12/10/2004	Varied permit issued.
Environment Agency Variation EPR/BS3859IF/V002 determined	13/01/2014	To implement the changes introduced by IED
Variation application EPR/BS3859IF/V003	Duly made 25/03/2014	
Schedule 5 notice Issued to applicant	09/04/2014	Response Received on the 01/05/2014
Schedule 5 notice Issued to the applicant	13/05/2014	Response Received on the 06/06/2014
Schedule 5 notice Issued to the applicant	23/06/2014	Response Received on the 15/07/2014
Schedule 5 notice Issued to the applicant	18/08/2014	Response Received on the 10/09/2014
Variation EPR/BS3859IF/V003 Determined Billing Reference EP3539VZ	16/09/14	Varied permit issued.

End of introductory note

Notice of variation and consolidation

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 and consolidates

permit number

EPR/BS3859IF

issued to

Centec International Limited

("the operator")

whose registered office is

Crab Mill Old Farmhouse

Crab Mill Lane

Moston

Sandbach

Cheshire

CW11 3QT

company registration number 02972347

to operate a regulated facility at

The Science Park

Brooks Lane

Middlewich

Cheshire

CW10 OJG

to the extent set out in the schedules.

The notice shall take effect from 16/09/14

Name	Date
A.J. Nixon	16 September 2014

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/BS3859IF

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BS3859IF/V003 authorising,

Centec International Limited (“the operator”),
whose registered office is

Crab Mill Old Farmhouse
Crab Mill Lane
Moston
Sandbach
Cheshire
CW11 3QT

company registration number 02972347
to operate an installation at

The Science Park
Brooks Lane
Middlewich
Cheshire
CW10 OJG

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

Name	Date
A.J. Nixon	16 September 2014

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The activities shall be managed and operated:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

1.1.4 The operator shall comply with the requirements of an approved competence scheme or shall hold an appropriate certificate of technical competence or other approval issued by the Agency.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 the operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and

- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review

2 Operations

2.1 Permitted activities

2.1.1 The operator is authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Agency.

(b) If notified by the Agency that the activities are giving rise to pollution, the operator shall submit to the Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Agency.

2.3.2 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2 table S2.2; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.3 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazard classification associated with the waste; and
- (e) the waste code of the waste.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, and S3.2
- 3.1.2 The limits given in schedule 3 shall not be exceeded

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1, S3.2
- 3.5.2 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.3 Notifications

- 4.3.1 (a) in the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
- (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) in the event of a breach of any permit condition the operator must immediately—
- (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.

4.3.3 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address;
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 to the Permit - Operations

Table S1.1 activities			
Activity reference	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
A1	Section 4.1 A(1)(a): Producing Organic Chemicals such as –	Production of a range of organic compounds as defined in the Application and the Multi-Product Protocol.	Receipt of raw materials to dispatch of finished product.
A2	Section 4.1 A(1)(a)(i) – hydrocarbons	Production of a range of organic compounds as defined in the Application and the Multi-Product Protocol.	Receipt of raw materials to dispatch of finished product.
A3	Section 4.1 A(1)(a)(ii) – organic compounds containing oxygen	Production of a range of organic compounds as defined in the Application and the Multi-Product Protocol.	Receipt of raw materials to dispatch of finished product.
A4	Section 4.1 A(1)(a)(iii)– organic compounds containing sulphur	Production of a range of organic compounds as defined in the Application and the Multi-Product Protocol.	Receipt of raw materials to dispatch of finished product.
A5	Section 4.1 A(1)(a)(iv)– organic compounds containing nitrogen	Production of a range of organic compounds as defined in the Application and the Multi-Product Protocol.	Receipt of raw materials to dispatch of finished product.
A6	Section 4.1 A(1)(a)(v) – organic compounds containing phosphorous	Production of a range of organic compounds as defined in the Application and the Multi-Product Protocol.	Receipt of raw materials to dispatch of finished product.
A7	Section 4.1 A(1)(a)(vi)– organic compounds containing halogens	Production of a range of organic compounds as defined in the Application and the Multi-Product Protocol.	Receipt of raw materials to dispatch of finished product.
A8	Section 4.1 A(1)(a)(x) – dyes and pigments	Production of a range of organic compounds as defined in the Application and the Multi-Product Protocol.	Receipt of raw materials to dispatch of finished product.

Table S1.1 activities			
Activity reference	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
A9	Section 5.3 A(1)(a): Disposal or recovery of hazardous waste in a facility with a capacity exceeding 10 tonnes per day involving one or more of the following activities – (ii) physio-chemical treatment (x) oil re-refining or other re uses of oil	Refining of organic solvents for toll recovery. Diesel / petrol separation from tank filling	Receipt of unrefined materials to dispatch of recovered product.
A10	5.6 (A) (i) (a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	Temporary storage of hazardous waste	Temporary storage of hazardous waste prior to or resulting from recovery treatments at the site. Temporary storage limited to a maximum of 1,250 tones

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/BS3859IF/A001	The response to questions B2.1 and B2.2 on the application form given in Section 2.1 and 2.2 of the application template, supporting documents RP 1,3,7,8,9,9.2,9.3 and Sections C6 and C8.	27/08/2003
Additional information	Multi-product protocol provided by the applicant Original application technical standards (ref to S5.06) And appendix 5 (S5.06 ref)	02/09/2004
duly made application	Response to Schedule 5 questions 1, 2 and 3. Applicant submitted Site condition report, a site plan and clarification on listed activity they wanted to add to their permit.	25/03/2014
EPR/BS3859IF/V003	Response to Schedule 5 questions (09/04/2014) 1 – 5, Applicant submitted site layout and drainage plan, bunding, non technical summary , operating techniques and recovery codes.	01/05/2014
EPR/BS3859IF/V003	Response to schedule 5 questions (13/05/2014) 1-9, Non technical summary, throughput, operating techniques, waste codes , site drainage	06/06/2014
EPR/BS3859IF/V003	Response to Schedule 5 questions, (23/06/2014) 1-5, storage and handling of raw materials, bunding, waste codes and environment management system.	15/07/2014
EPR/BS3859IF/V003	Response to Schedule 5 questions, 1-3, (18/08/2014) confirmation of total annual throughput and total storage capacity , revised site plan identifying the tanks that have been fitted with back balance vents, flame traps , high level alarms and audible and visual alarms, and blanking taps.	10/09/2014

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
1	The Operator shall establish an Environmental Management System (EMS) within the current management systems, having regard to section 2.3 and Agency Guidance for Speciality Organic Chemicals, S4.02.	completed
2	The Operator shall carry out a programme of sampling and analysis to characterise and quantify any releases to air from the emission point, A1. The environmental impact of any identified emissions shall be assessed using the H1 software package developed by the Agency specifically for point source discharges. The results shall be summarised in a report to be submitted to the Agency, with an assessment of the significance of any emissions. Where required, proposals for appropriate emission limits and an ongoing monitoring programme shall be sent to the Agency.	completed
3	The Operator shall review its management procedures and records with respect to overall operation of the installation, training and staff assessment. Procedures shall be formalised accordingly to ensure these comply with the requirements of Condition 2.3. A summary of the review shall be sent to the Agency together with a timetable for their implementation.	completed
4	The Operator shall review its maintenance procedures and formalise accordingly to ensure they meet the requirements set out in Conditions 2.3.5 and 2.3.6. A summary of the review shall be sent to the Agency together with a timetable for their implementation.	completed
5	The Operator shall review and formalise procedures for the handling, investigating and reporting of environmental complaints. A summary of the review shall be sent to the Agency together with a timetable for their implementation.	completed
6	The Operator shall review and formalise procedures for the prevention of accidents and emergency plans. Relevant Pollution Prevention Guidelines (PPGs) available on the Agency website should be taken into consideration when updating procedures. A summary of the review shall be sent to the Agency together with a timetable for their implementation.	completed
7	The Operator shall review and amend company procedures and the "New Product/Process Enquiry and Development System", as referenced in the Multi-Product Protocol (MPP). The review shall ensure that the procedures and System are amended to define the current capabilities of the Permitted Installation for the range of chemistry and plant design parameters against which the introduction of new products can be assessed within the MPP. Plant parameters shall include as a minimum: vessel capabilities such as temperature and pressure; abatement system configurations and efficiencies for pollutant removal; control system configurations; process and emission monitoring techniques. The System shall identify the key decision points to demonstrate that a new product can be introduced within the scope of the MPP. The procedures and System shall also ensure that any emissions from new product introductions are characterised by laboratory or other appropriate trials and technical evaluations and assessed as BAT before entering full production. The detail of production and assessment shall be recorded in a standard format for each new product and retained as a written record. A summary of the review and copies of the amended procedures and System shall be sent to the Agency and upon agreement with the Agency, shall form part of the in-process controls, paragraph 2.1 of this permit.	completed
8	The Operator shall carry out a programme of monitoring to quantify any releases to air from the boiler stack. The environmental impact of any	completed

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
	identified emissions shall be assessed. The results shall be summarised in a report to be submitted to the Agency, with an assessment of the significance of any emissions. Where required, proposals for appropriate emission limits and an ongoing monitoring programme shall be sent to the Agency.	
9	The Operator shall review its Gas Oil/VOC combustion process to determine if the process falls within the scope of the Waste Incineration Regulations, transposed from the Waste Incineration Directive, ("WID"). Reference should be made to the DEFRA document, Guidance On Directive 2000/76/EC On the Incineration of Waste. The outcome of this review shall be communicated to the Agency including any intention to apply for a WID variation by 31/03/05.	completed
10	The Operator shall review its proposals for the handling and storage arrangements of drums if the anticipated increase in processing volume and higher plant utilisation is realised. These proposals shall take into account the location of storage areas, their protection from accidental damage and spill prevention/containment measures. A report detailing the proposals shall be sent to the Agency with plans and timescales for their implementation.	completed
11	The Operator shall develop procedures to assess the chemical behaviour, toxicology, environmental fate and potential degradation products of new substances introduced which may be potentially polluting. These shall include raw materials, interim products, end materials and waste products. A copy of the procedures shall be sent to the Agency.	completed
12	The Operator shall write a Site Closure Plan as set out in Condition 2.11.1.3 of this Permit. The Operator shall make the Plan available for inspection by the Agency.	completed
13	The Operator shall carry out a programme of sampling and analysis to characterise the main constituents of the process effluent discharged to sewer, and provide an assessment of any significant impact of future discharges based on proposed activities as referred in the Multi-Product Protocol. The results shall be summarised in a report and sent to the Agency together with any plans for an ongoing monitoring programme to be agreed with the Agency.	completed
14	The Operator shall complete the maintenance work required to ensure the continuing integrity of all hardstanding areas. This shall include attending to expansion joints as identified by the Operator. The Operator shall inform the Agency on completion of the work.	completed
15	An appropriate certificate of technical competence CIWM/WAMITAB ESA/EU should be submitted to the Environment Agency for approval. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the certificate. This should be submitted within 12 months from the date of the issue of this permit.	16/09/2015

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

Raw materials and fuel description	Specification
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Table S2.2 Permitted waste types and quantities

Waste code	Description
	The maximum annual throughput shall not exceed 10,000 tonnes.
05 01	wastes from petroleum refining
05 01 02*	desalter sludges
05 01 03*	tank bottom sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 08*	other tars
05 01 11*	wastes from cleaning of fuels with bases
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 01 17	bitumen
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
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 01 07*	halogenated still bottoms and reaction residues
07 01 08*	other still bottoms and reaction residues
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
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 02 07*	halogenated still bottoms and reaction residues
07 02 08*	other still bottoms and reaction residues
07 03	wastes from the MFSU of organic dyes and pigments (except 06 11)
07 03 01*	aqueous 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 03 07*	halogenated still bottoms and reaction residues
07 03 08*	other still bottoms and reaction residues
07 04	wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 01*	aqueous washing liquids and mother liquors

Table S2.2 Permitted waste types and quantities	
Waste code	Description
	The maximum annual throughput shall not exceed 10,000 tonnes.
07 04 03*	organic halogenated solvents, washing liquids and mother liquors
07 04 04*	other organic solvents, washing liquids and mother liquors
07 04 07*	halogenated still bottoms and reaction residues
07 04 08*	other still bottoms and reaction residues
07 05	wastes from the MFSU of pharmaceuticals
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 05 07*	halogenated still bottoms and reaction residues
07 05 08*	other still bottoms and reaction residues
07 07	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
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
07 07 07*	halogenated still bottoms and reaction residues
07 07 08*	other still bottoms and reaction residues
08 01	wastes from MFSU and removal of paint and varnish
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 21*	waste paint or varnish remover
08 03	wastes from MFSU of printing inks
08 03 12*	waste ink containing dangerous substances
08 03 13	waste ink other than those mentioned in 08 03 12
13 02	waste engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 07	wastes of liquid fuels
13 07 01*	fuel oil and diesel
13 07 02*	petrol
13 07 03*	other fuels (including mixtures)
13 08	oil wastes not otherwise specified
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions

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 16 08)
16 01 14*	antifreeze fluids containing dangerous substances
16 01 15	antifreeze fluids other than those mentioned in 16 01 14

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 GS3 exit gas, 3m above roof level	Volatile Organic compounds, total Class A expressed as individual compounds, g/hr	Final process Vent through Off-gas scrubber	100 g/hr	--	See footnote	
A1 GS3 exit gas, 3m above roof level	Volatile Organic compounds, total Class B expressed as carbon, kg/hr	Final process Vent through Off-gas scrubber	2 kg/h	--	See footnote	
A2	No parameters set	Boiler Stack	No limit set	--		
A3	No parameters set	Storage tanks	No limit set	--		

Individual reactions and recovery processes proposed for evaluation shall be assessed and only undertaken if emissions will be below specified limits. A programme of monitoring shall be agreed.

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
	Total daily discharge amount	Spent wash water interceptor	5m ³ /day	24hours total	Continuous	Flow meter
S1 Emission to sewer	Discharge flow rate	Spent wash water interceptor	0.15 l/s	See footnote	Continuous	Flow meter
	pH	Spent wash water interceptor	6-11	Spot sample	continuous	pH meter
	Total organic nitrogen	Spent wash water interceptor	1 kg/day	spot sample	continuous	Sewage undertaker results
	Total hydrocarbon Oil content	Spent wash water interceptor	100mg/l	Spot sample	continuous	Sewage undertaker Results

To be agreed with the Environment Agency

Schedule 4 - Reporting

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

Table S4.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1.	A1	Agree Programme	1 January 2005
Emissions to water Parameters as required by condition 3.5.1	S1	Quarterly	1 January, 2005

Table S4.2: Annual production/treatment

Parameter	Units
Production of Organic Chemicals.	tonnes
Recovery of Organic Chemicals	tonnes

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	M ³ and M ³ /tonne
Electricity and steam	Annually	MWh
Total mass release of VOC's Class A	Annually	Kg/tonnes
Total mass release of VOC's Class B	Annually	Kg/tonnes
Hazardous Waste liquid	Annually	Kg/tonnes
Non Hazardous Waste liquid	Annually	Kg/tonnes

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	12/10/2004
Water and Land	Form water 1 or other form as agreed in writing by the Environment Agency	12/10/2004
Sewer	Form sewer 1 or other form as agreed in writing by the Environment Agency	12/10/2014
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	12/10/2014
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	12/10/2014
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	12/10/2014

Schedule 5 - Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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

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

Part B - to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations. *“authorised officer”* means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

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

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

“disposal” means any of the operations provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

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

“hazardous property” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“recovery” means any of the operations provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

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

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“WFD” means Waste Framework Directive Directive 2008/98/EC of the European Parliament and of the Council on waste

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

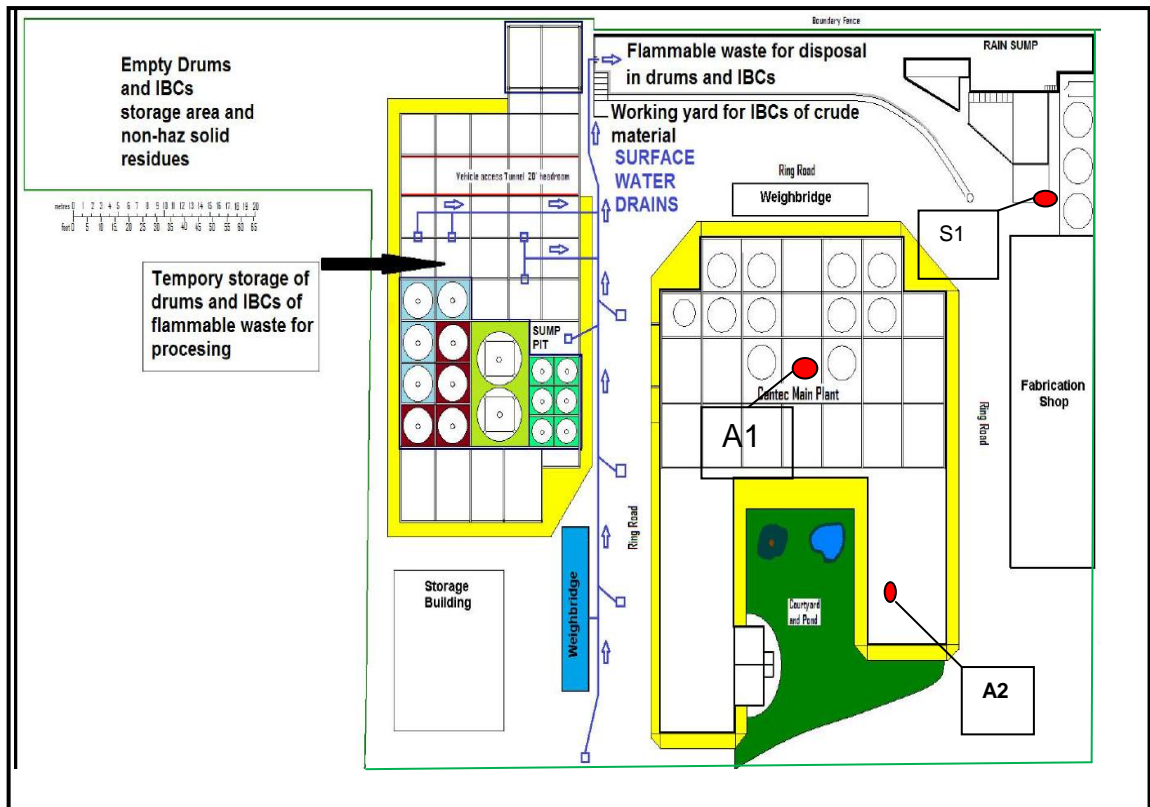
“year” means calendar year ending 31 December. Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

Schedule 7 - Site plan



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