Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Solvay Solutions UK Limited

Oldbury Chemical Works
Trinity Street
Oldbury
West Midlands
B69 4LN

Variation application number

EPR/SP3339BL/V013

Permit number

EPR/SP3339BL

Oldbury Chemical Works
Permit number EPR/SP3339BL

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (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.

This variation enables the production of a new organic polymer in an existing reactor M100, which is part of the TPU reactor set (formerly referred to as the Briquest Reactors). During the distillation phase of the reaction the reactor will vent to the existing A17 Vent, with only trace amounts of ammonia being released. We have therefore added an emission limit for ammonia to emission point A17.

The schedules specify the changes made to the 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 Received EPR/SP3339BL/A001	26/01/05	
Additional information received	29/07/05 and 16/09/05	
Permit EPR/SP3339BL	21/12/05	Determined
Application Received EPR/SP3339BL/V002	03/02/06	
Variation EPR/SP3339BL/V002 (Billing ref: EP3535LR)	10/03/06	Issued
Application Received EPR/SP3339BL/V003	05/10/06	
Variation EPR/SP3339BL/V003 (Billing ref: UP3038MK)	16/11/06	Issued
Application Received EPR/SP3339BL/V004	14/06/07	Variation and consolidation
Variation EPR/SP3339BL/V004 (Billing ref: ZP3332UE)	23/07/07	Issued
Application Received EPR/SP3339BL/V005	06/09/07	Variation and consolidation
Variation EPR/SP3339BL/V005 (Billing ref: RP3831UE)	09/05/08	Issued
Application Received EPR/SP3339BL/V006	12/11/07	

Status log of the permit		
Description	**Date**	**Comments**
Variation EPR/SP3339BL/V006 (Billing ref: KP3330XQ)	29/05/08	Issued
Application EPR/VP3533HM/T001 (partial transfer of permit EPR/SP3039BY)	Duly made 01/10/10	Part of the multi-operator installation
Partial transfer EPR/VP3533HM/T001	16/11/10	Determined
Application Received EPR/SP3339BL/V007	01/10/10	Variation and consolidation issued
Variation EPR/SP3339BL/V007 (Billing ref: XP3037TV)	30/11/10	Issued
Application Received EPR/SP3339BL/V008	11/10/12	
Variation EPR/SP3339BL/V008 (Billing ref: YP3633ZL)	05/12/12	Issued
Application Received EPR/SP3339BL/V009	08/05/13	Administrative variation to add new site plan without reference to the Thermphos UK Limited permit (EPR/SP3039BY) which was part of the multi-operator installation but is now surrendered
Variation EPR/SP3339BL/V009	23/05/13	Issued
Application Received EPR/SP3339BL/V010	13/11/13	Application to upgrade the Briquest reactor, increase the site boundary and introduce a new reaction in the phosphate esters plant.
Additional information received by email	10/12/13 and 16/12/13	Confirmation of dust bag filter operation Site Emissions (Environmental Permit Regulated) map
Variation EPR/SP3339BL/V010	03/02/14	Issued
Application EPR/SP3339BL/V011 (variation and consolidation)	Duly made 09/06/15	Application to show company name change and inclusion of new CHP gas engine, combination boiler and secondary hot water circuit.
Additional information received by email	28/04/15, 07/05/15 and 09/06/15	Clarification information in emails #1, #2 and #3 of the dates indicated.
Variation EPR/SP3339BL/V011 (Billing Ref: UP3535AP)	04/08/15	Variation and consolidation issued.
Application EPR/SP3339BL/V012 (variation and consolidation)	Duly made 28/11/18	Application to allow the production of three new organophosphines on the Semi Works and add two new reactors to the Pilot Plant. Also, change to the Company's registered office address.
Variation determined EPR/SP3339BL/V012 (Billing Ref: KP3538QC)	06/02/19	Varied permit issued.
Application EPR/SP3339BL/V013 (variation and consolidation)	Duly made 12/01/2021	Application to allow the production of a new organic polymer containing sulphur in an existing reactor

Status log of the permit		
Description	**Date**	**Comments**
Additional information received by email	12/01/2021 13/01/2021	Clarification information in emails #1 and #2 of dates indicated.
Variation EPR/SP3339BL/V013 (Billing Ref: RP3004LW)	19/03/2021	Variation and consolidation issued.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/SP3339BL

Issued to

Solvay Solutions UK Limited ("the operator")

whose registered office is

34 Clarendon Road
Watford
Hertfordshire
WD17 1JJ

company registration number 00036833

to operate at

Oldbury Chemical Works
Trinity Street
Oldbury
West Midlands
B69 4LN

to the extent set out in the schedules.

The notice shall take effect from 19/03/2021

Name	Date
Philip Lamb	**19/03/2021**

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 2016

Permit number

EPR/SP3339BL

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/SP3339BL/V013 authorising,

Solvay Solutions UK Limited ("the operator"),

whose registered office is

34 Clarendon Road
Watford
Hertfordshire
WD17 1JJ

company registration number 00036833

to operate an installation at

Oldbury Chemical Works
Trinity Street
Oldbury
West Midlands
B69 4LN

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

Name	Date
Philip Lamb	**19/03/2021**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

(a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

1.2 Energy efficiency

1.2.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR10) 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 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR10) 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.

1.5 Multi product protocol

1.5.1 Where the operator proposes to make a change under a multi product protocol that is not otherwise the subject of an application for approval under the Regulations or this permit:

(a) the Environment Agency shall be notified of the proposed change;

(b) the notification shall contain a description of the change including: an assessment of its environmental impact; any relevant supporting assessments and drawings; and the proposed implementation date;

(c) the change shall not be implemented unless approved in writing by the Environment Agency;

(d) as from any approved implementation date, the operator shall operate in accordance with the changed multi product protocol in place of the previously approved version.

2 Operations

2.1 Permitted activities

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

2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

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

2.3 Operating techniques

2.3.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR10) 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 Environment Agency.

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

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 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 hazardous property associated with the waste, if applicable; and

(e) the waste code of the waste.

2.3.5 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.

2.5 Pre-operational conditions

2.5.1 The operations specified in schedule 1 table S1.4B shall not commence until the measures specified in that table have been completed.

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(a), S3.1(b), S3.2 and S3.3.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.1.3 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.

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(a) and S3.2;

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1(a) and S3.2 unless otherwise agreed in writing by the Environment Agency.

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.

4.2.2 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR10) A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;

(b) the annual production /treatment data set out in schedule 4 table S4.2; and

(c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

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

(a) in respect of the parameters and emission points specified in schedule 4 table S4.1;

(b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

(a) 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) 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) 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 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment 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; and

(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.

In any other case:

(a) the death of any of the named operators (where the operator consists of more than one named individual);

(b) any change in the operator's name(s) or address(es); and

(c) 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 of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

(a) a decision by the Secretary of State not to re-certify the agreement;

(b) a decision by either the operator or the Secretary of State to terminate the agreement; and

(c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

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

In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “immediately”, in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
AR1	S4.1A(1)(a)(v) Producing organic chemicals containing phosphorus	Manufacture of:- • aceto diphosphonic acid (ADPA); • tetrakis-hydroxymethylphosphonium chloride (THPC) or tetrakis-hydroxymethylphosphonium sulphate (THPS); • Proban range of flame retardants; • aminomethylene phosphonates (Briquest range) and organophosphorus copolymers (Aquarite range), including operation of Phosphorus Acid Handling Plant; • Semi Works Plant operations involving development activities and intermediate scale manufacture of phosphorus-based chemicals, subject to the requirements of the Multi Product Protocol; • Pilot Plant (Aggregation Group 1) operations involving development activities and pilot scale manufacture of phosphorus-based chemicals, subject to the requirements of the Multi Product Protocol; • Phosphorus-based chemicals on the Customised Liquid Blending (CLB) Plant. • Sodium triethanolamine phosphate • Potassium ethoxylated cresol phosphate • Low pressure organophosphines	Receipt of raw materials to storage of finished product
AR2	S4.2A(1)(a)(vi) Producing inorganic chemicals; halogens or interhalogen compounds comprising two or more of halogens, or any compound comprising one or more of those halogens and oxygen.	Manufacture of:- • phosphorus trichloride, including Phosphorus Storage and operation of the Chlorine Plant; • phosphorus oxychloride	
AR3	S4.2A(1)(a)(i)	Manufacture of phosphine	

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
	Producing inorganic chemicals; gases		
AR4	S4.2A(1)(a)(ii) Producing inorganic chemicals; acids	Manufacture of mixed hexavalent and trivalent chromic acids-silica emulsions (Accomet range)	
AR5	S4.2A(1)(a)(iv) Producing inorganic chemicals; salts	Preparation of phosphate products on the Customised Liquid Blending (CLB) Plant	
AR6	S4.1A(1)(a)(iii) Producing organic chemicals containing sulphur	Manufacture of a sodium salt of a water-soluble co-polymer of 2-butenedioic acid and 2-propene-1-sulphonate	
AR7	S5.4 A(1)(a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment	Operation of the Effluent Treatment Plant (ETP) for the control of releases to sewer	Collection, treatment and discharge to sewer of process effluent and surface water
	Directly Associated Activity		
AR8	Raw material storage	Storage of solid and liquid materials in bulk storage tanks, drums, IBC's, bags and other containers	Receipt and storage of raw materials to transfer process areas
AR9	Waste handling and storage	Storage and handling of waste materials arising from processing activities according to category, including preparation for disposal or recovery	From storage of waste materials to despatch for disposal or recovery
AR10	Provision of site utilities	Operation of site systems for the supply of utilities and services such as process heating (steam), cooling water, nitrogen, compressed air.	Site utility and services systems as far as the Installation boundary, including combustion units and gas burners of total thermal input 7MW.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application EPR/SP3339BL/A001	The responses to questions 2.1 and 2.2 given in the Application documents referenced as follows: RhodiaUK/SP3339BL/: B1.3.1(ii), B2.1.1, B2.2.1, B2.2.3, B2.2.24, B2.2.54, B2.2.58(i) and B2.2.58(ii).	26/01/2005
Response to Schedule 4 Notice dated 28/06/05	The full response	19/09/2005
Application for Variation RP3831UE	Letter dated 22 August 2007	06/09/2007

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Information submitted in support of Application for Variation XP3037TV (EPR/SP3339BL/V007)	BP10 process description	29/07/2010
Information submitted in support of Application EPR/SP3339BL/V008	Bricorr 288 process description; ARB 70 process description; and Acid Filtration process description.	11/10/2012
Information submitted in support of Application EPR/SP3339BL/V008	Email confirming hydrogen peroxide storage arrangements and information on testing of bunds.	29/11/2012
Application EPR/SP3339BL/V010	Application parts C2 and C3 and referenced supporting documentation.	14/10/2013
Information submitted in support of Application EPR/SP3339BL/V010	Email confirmation of dust bag filter operation.	10/12/2013
Information submitted in support of Application EPR/SP3339BL/V010	Email containing Site Emissions (Environmental Permit Regulated) map	16/12/2013
Information submitted in support of Application EPR/SP3339BL/V011	The operating techniques described in the application,	30/03/2015
	The operating techniques described in email #1	28/04/2015
	The operating techniques described in email #2	07/05/2015
	The operating techniques described in email #3	09/06/2015
Information submitted in support of Application EPR/SP3339BL/V012	Parts C2 and C3 of the application form and supporting documents.	28/11/2018
Application EPR/SP3339BL/V013	Parts C2 and C3 of the application form and supporting documents.	12/01/2021
Information submitted in support of Application EPR/SP3339BL/V013	Email from Dr Tom Dutton concerning waste production and management	13/01/2021

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	In conjunction with Thermphos UK Limited and Npower Cogen, the Operator shall complete a CCTV survey of the site drainage system with the purpose of assessing the integrity of the system, having regard for Agency Sector Guidance Note IPPC S4.02, Issue 6, April 2003. A written report summarising the findings shall be submitted to the Agency, which shall include proposals for improvements with a timescale for implementation which shall be adhered to unless otherwise agreed in writing by the Agency.	Completed
IC2	In agreement with Thermphos UK Limited, the Operator shall develop and implement protocols and procedures which shall control the transfer of effluent from the Thermphos UK Limited part of the Installation to the Effluent Treatment Plant, having regard for Agency Sector Guidance Note IPPC S4.03, Draft 1 (Consultation) May 2004. These shall include, but not be limited to, requirements for the monitoring of the composition and flow rate of the effluent and emergency procedures to be implemented in the event of abnormal effluent composition, spillage and/or fire. A copy of the protocols and procedures shall be submitted to the Agency which shall be implemented unless otherwise agreed in writing by the Agency.	Completed
IC3	The Operator shall review the Environmental Management System, with particular regard for protocols and procedures which govern the joint operation of the Installation with the other Operators, having regard for the Agency Sector Guidance Note IPPC S4.02, Issue 6, April 2003. A written report summarising the findings shall be submitted to the Agency, which shall include proposals for improvements with a timescale for implementation which shall be adhered to unless otherwise agreed in writing by the Agency.	Completed
IC4	The Operator shall review the provision of MCERTS accreditation for the monitoring methods, procedures, equipment, personnel and organisations employed for the emissions monitoring programmes required by conditions 2.10.1 and 2.10.2, having regard for Agency Sector Guidance Notes IPPC S4.02, Issue 6, April 2003 and IPPC S4.03, Draft 1 (Consultation) May 2004 and the hierarchy of Sampling and Analysis Standards presented. A copy of the review shall be submitted to the Agency and shall propose a timetable for achieving the MCERTS standard for any elements that are not MCERTS certified or accredited which shall be implemented unless otherwise agreed in writing by the Agency.	Completed
IC5	The Operator shall carry out an assessment of the options available for reducing releases of Phosphorus, list one and list two substances to water (the Chemical Arm of the Birmingham Canal), having regard for Agency Sector Guidance Note IPPC S4.03, Draft 1 (Consultation) May 2004. A written report summarising the findings shall be submitted to the Agency, which shall include an assessment of the potential for environmental impact associated with techniques and options selected for consideration. The report shall include proposals for improvements with a timescale for implementation which shall be adhered to unless otherwise agreed in writing by the Agency.	Completed
IC6	The Operator shall carry out an assessment of the options available for preventing or reducing stormwater overflow to the Chemical Arm of the Birmingham Canal, having regard for Agency Sector Guidance Note IPPC S4.02, Issue 6, April 2003. A written report summarising the findings shall be submitted to the Agency which shall include an assessment of the potential for environmental impact associated with techniques and options selected for consideration. The report shall include proposals for improvements with a timescale for implementation which shall be adhered to unless otherwise agreed in writing by the Agency.	Completed

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC7	The Operator shall conduct further assessment of the potential for environmental impact arising from the release of oxides of nitrogen and oxides of sulphur from release point A45, Boiler Stack. The assessment methodology and the input data to be employed shall be agreed with the Agency prior to completing the assessment and shall have regard for the Agency's Horizontal Guidance Note H1, Issue 6, July 2003. A written report evaluating the results, and including a copy of the assessment, shall be submitted to the Agency.	Completed
IC8	The Operator shall conduct a campaign of monitoring designed to characterise more fully the releases from release point A13, the Proban Plant Transvac Vent, having regard for Agency Sector Guidance Note IPPC S4.02, Issue 6, April 2003. The monitoring methods, procedures, frequency of monitoring and duration of the campaign are to be agreed in writing with the Agency prior to implementation. Monitoring data generated by the campaign shall be used to conduct further assessment of the potential for environmental impact arising from the releases from this release point. The assessment methodology to be employed shall be agreed with the Agency prior to completing the assessment and shall have regard for the Agency's Horizontal Guidance Note H1, Issue 6, July 2003. A written report evaluating the results, and including a copy of the assessment and the monitoring data, shall be submitted to the Agency.	Completed
IC9	On completion of IC8 and the conclusion of the monitoring programmes of other Operators at the Installation the Operator shall in conjunction with the other Operators at the Installation conduct a repeat in combination modelling exercise to assess the impact of the emissions to air from the Installation. A report of the outcome of this exercise and any recommendations shall be reported to the Agency along with a timetable for implementation of any recommendations.	Completed
IC10	The Operator shall review the Monitoring Schedule for the part of the Installation under their control, having regard for the Agency Sector Guidance Note IPPC S4.02, Issue 6, April 2003, and shall make proposals for a revised Monitoring Schedule which is more appropriate to the potential impacts arising from the operation of this part of the Installation, taking into account the outputs against Improvement Conditions IC4, IC5, IC7, IC8 and IC12 and the results of the environmental monitoring conducted under condition 2.10.2. A written report describing the proposed Monitoring Schedule shall be submitted to the Agency which shall include a timescale for implementation which shall be adhered to unless otherwise agreed in writing by the Agency.	Completed
IC11	The Operator shall review the written Site Closure Plan having regard for Agency Sector Guidance Note IPPC S4.02, Issue 6, April 2003 and shall submit a copy to the Agency.	Completed
IC12	The Operator shall carry out an assessment of the options available for reducing all releases of oxides of phosphorus and particulate matter, having regard for Agency Sector Guidance Note IPPC S4.03, Draft 1 (Consultation) May 2004. A written report summarising the findings shall be submitted to the Agency which shall include an assessment of the potential for environmental impact associated with techniques and options selected for consideration. The report shall include proposals for improvements with a timescale for implementation which shall be adhered to unless otherwise agreed in writing by the Agency.	Completed
IC13	The Operator shall develop a written procedure to regularly review fugitive releases from the installation, demonstrating the application of an appropriate, effective and structured LDAR (leak detection and repair) system and the development of an action plan to implement any improvements identified, as described in sections 2.2.4 and 2.2.5 of	Completed

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	Agency Sector Guidance Note IPPC S4.02, Issue 6, April 2003. The operator shall periodically update this review and action plan in accordance with Condition 4.1.4 of this Permit with the purpose of minimising fugitive releases. A report shall be submitted to the Agency which shall include a copy of the procedure and a description of the outcome of the first review, including details of any proposed improvements and the timetable for their implementation, which shall be adhered to unless otherwise agreed in writing by the Agency.	
IC14	The operator shall carry out a detailed risk assessment that considers the potential impact should hydrochloric acid enter the surface water system following a major tanker failure, based on the wrong tanker unit being filled with hydrochloric acid. The only barrier to prevent this from occurring at present appears to be procedural. Based on the conclusions of the risk assessment you shall implement suitable mitigation measures that demonstrate BAT. The reliance on your effluent treatment plant for major spillages is not considered BAT, and your risk assessment should take this into consideration.	Completed

Table S1.4B Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
1	Use of bunded storage tanks for the storage of precursor chemicals and/or products for Activity AR6 in Schedule 1, Table S1.1.	The operator shall submit a report demonstrating that any storage tanks have been integrity tested at least 4 weeks before commencement of use of the tanks.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
No specifications set	

Schedule 3 – Emissions and monitoring

Table S3.1(a) Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location [2]	**Source**	**Parameter**	**Limit (including unit)** [1]	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
A1	ADPA Plant Stack [5]	Total Class B Volatile Organic Compounds (expressed as toluene)	2 kg/hr	Spot sample	Annually	[3]
		Hydrogen chloride	0.1 kg/hr	Spot sample	Annually	[3]
A3	Chlorine Scrubber	Chlorine	10 mg/m^3	Spot sample	Annually	[3]
A4	Phosphorus Trichloride and Phosphorus Oxychloride Scrubber	Chlorine	10 mg/m^3	Spot sample	Annually	[3]
		Phosphate (as P_2O_5)	50 mg/m^3	Spot sample	Annually	[3]
		Hydrogen chloride	10 mg/m^3	Spot sample	Annually	[3]
A5	Phosphorus Storage Plant Demister	Phosphate (as P_2O_5)	50 mg/m^3	Spot sample	Annually	[3]
A6	Phosphine 1 Plant Stack	Phosphine	30 mg/m^3	Spot sample	Quarterly	[3]
		Phosphate (as P_2O_5)	100 mg/m^3	Spot sample	Annually	[3]
		Formaldehyde	5mg/m3	Spot sample	Annually	[3]
		Hydrogen Chloride	10 mg/m^3	Spot sample	Annually	[3]
		Total Class B Volatile Organic Compounds (as toluene)	100 mg/m^3	Spot sample	[4]	[3]
A7	Phosphine 2 Plant Stack	Phosphine	30 mg/m^3	Spot sample	Quarterly	[3]
		Phosphate (as P_2O_5)	100 mg/m^3	Spot sample	Annually	[3]
		Formaldehyde	5 mg/m^3	Spot sample	Annually	[3]
		Hydrogen Chloride	10 mg/m^3	Spot sample	Annually	[3]
A8	Phosphine Plant Formaldehyde	Formaldehyde	100 mg/m^3	Spot sample	Annually	[3]

Table S3.1(a) Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location [2]	**Source**	**Parameter**	**Limit (including unit)** [1]	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
	Storage Tank Scrubber					
A15	Phosphorus Acid Handling Plant LEV	Phosphate (as P_2O_5)	10 mg/m^3	Spot sample	Annually	[3]
A16	Phosphorus Acid Handling Plant Hydrochloric Acid Tank Scrubber	Hydrogen chloride	0.01 kg/hr	Spot sample	Annually	[3]
A17	TPU Reactors and Building LEV or Pilot Plant Reactor scrubber	Hydrogen chloride	10 mg/m^3	Spot sample	Annually	[3]
		Formaldehyde	5 mg/m^3	Spot sample	Annually	[3]
		Amines (as diethylamine)	10 mg/m^3	Spot sample	Annually	[3]
		Total Class B Volatile Organic Compounds (expressed as toluene)	2 kg/hr	Spot sample	Annually	[3]
		Ammonia	5 mg/m^3	Spot sample	[6]	[3]
A18	Tetrax Reactors and Building LEV	Hydrogen chloride	10 mg/m^3	Spot sample	Annually	[3]
		Formaldehyde	5 mg/m^3	Spot sample	Annually	[3]
		Amines (as diethylamine)	10 mg/m^3	Spot sample	Annually	[3]
A19	TPU Reactors Formaldehyde and Acid Storage Tanks Scrubber	Hydrogen chloride	20 mg/m^3	Spot sample	Annually	[3]
		Formaldehyde	100 mg/m^3	Spot sample	Annually	[3]
A23	TPU Reactors Acrylic Polymers Reactor Charging LEV	Acrylic acid (as toluene)	2 kg/hr	Spot sample	Annually	[3]
A27	Semi Works Plant Building Vent	Hydrogen chloride	10 mg/m^3	Spot sample	[4]	[3]
		Phosphate (as P_2O_5)	100 mg/m^3	Spot sample	[4]	[3]
		Total Class A Volatile Organic	100 g/hr	Spot sample	[4]	[3]

Table S3.1(a) Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location [2]	**Source**	**Parameter**	**Limit (including unit)** [1]	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
		Compounds (speciated)				
		Total Class B Volatile Organic Compounds (as toluene)	2 kg/hr	Spot sample	[4]	[3]
		Formaldehyde	5 mg/m^3	Spot sample	[4]	[3]
		1,2-dichloroethane	5 mg/m^3	Spot sample	[4]	[3]
		Amines (as diethylamine)	10 mg/m^3	Spot sample	[4]	[3]
		Chlorine	10 mg/m^3	Spot sample	[4]	[3]
		Ethyl chloride	2 kg/hr	Spot sample	[4]	[3]
		Phosphine	5 mg/m^3	Spot sample	[4]	[3]
A33	Customised Liquid Blending Plant General Purpose Scrubber	Formaldehyde	5 mg/m^3	Spot sample	Annually	[3]
		Total Class A and B Volatile Organic Compounds (expressed as toluene)	100 g/hr	Spot sample	Annually	[3]
		Total Acid Forming Oxides of Nitrogen (expressed as NO_2)	200 mg/m^3	Spot sample	6-monthly	[3]
A34	Customised Liquid Blending Plant Ejector Scrubber	Formaldehyde	5 mg/m^3	Spot sample	Annually	[3]
		Total Class A and B Volatile Organic Compounds (expressed as toluene)	100 g/hr	Spot sample	Annually	[3]
		Total Acid Forming Oxides of Nitrogen (expressed as NO2)	200 mg/m^3	Spot sample	6-monthly	[3]
A35	Customised Liquid	Total Acid Forming	300 mg/m^3	Spot sample	Quarterly	[3]

Table S3.1(a) Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location [2]	**Source**	**Parameter**	**Limit (including unit)** [1]	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
	Blending Plant Nitric Acid Storage Tank Scrubber	Oxides of Nitrogen (expressed as NO2)				
A36	Customised Liquid Blending Plant Superlumes Reactors Vent	Formaldehyde	5 mg/m^3	Spot sample	Annually	[3]
		Total Class A and B Volatile Organic Compounds (expressed as toluene)	100 g/hr	Spot sample	Annually	[3]
		Hydrogen sulphide	5 mg/m^3	Spot sample	6-monthly	[3]
A39	Pilot Plant Filter Dryer Scrubber	Hydrogen chloride	5 mg/m^3	Spot sample	[4]	[3]
		Total Class A Volatile Organic Compounds (speciated)	100 g/hr	Spot sample	[4]	[3]
		Total Class B Volatile Organic Compounds (as toluene)	2 kg/hr	Spot sample	[4]	[3]
		Chlorine	10 mg/m^3	Spot sample	[4]	[3]
		Phosphate (as P_2O_5)	50 mg/m^3	Spot sample	[4]	[3]
		Phosphine	5 mg/m^3	Spot sample	[4]	[3]
		1,2 - dichloroethane	5 mg/m^3	Spot sample	[4]	[3]
		Particulate matter	20 mg/m^3	Spot sample	[4]	[3]
		Phosphorous trichloride	5 mg/m^3	Spot sample	[4]	[3]
		Hydrogen sulphide	5 mg/m^3	Spot sample	[4]	[3]
		Total oxides of sulphur (expressed as SO2)	200 mg/m^3	Spot sample	[4]	[3]
		Amines (as diethylamine)	10 mg/m^3	Spot sample	[4]	[3]

Table S3.1(a) Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location [2]	**Source**	**Parameter**	**Limit (including unit)** [1]	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
		Phenols, cresols, xylols	10 mg/m^3	Spot sample	[4]	[3]
		Formaldehyde	5 mg/m^3	Spot sample	[4]	[3]
		Ammonia	15 mg/m^3	Spot sample	[4]	[3]
A40	Pilot Plant Polyurethanes Preparation Laboratory Scrubber	Hydrogen chloride	5 mg/m^3	Spot sample	[4]	[3]
		Total Class A Volatile Organic Compounds (speciated)	100 g/hr	Spot sample	[4]	[3]
		Total Class B Volatile Organic Compounds (as toluene)	2 kg/hr	Spot sample	[4]	[3]
		Chlorine	10 mg/m^3	Spot sample	[4]	[3]
		Phosphate (as P_2O_5)	50 mg/m^3	Spot sample	[4]	[3]
		Phosphine	5 mg/m^3	Spot sample	[4]	[3]
		1,2 - dichloroethane	5 mg/m^3	Spot sample	[4]	[3]
		Particulate matter	20 mg/m^3	Spot sample	[4]	[3]
		Phosphorous trichloride	5 mg/m^3	Spot sample	[4]	[3]
		Hydrogen sulphide	5 mg/m^3	Spot sample	[4]	[3]
		Total oxides of sulphur (expressed as SO2)	200 mg/m^3	Spot sample	[4]	[3]
		Amines (as diethylamine)	10 mg/m^3	Spot sample	[4]	[3]
		Phenols, cresols, xylols	10 mg/m^3	Spot sample	[4]	[3]
		Formaldehyde	5 mg/m^3	Spot sample	[4]	[3]
		Ammonia	15 mg/m^3	Spot sample	[4]	[3]
Note [1] See Schedule 6 for reference conditions						

Table S3.1(a) Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location [2]	**Source**	**Parameter**	**Limit (including unit)** [1]	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**

Note [2] As shown on the "Site Emissions (Environmental Permit Regulated) map" supporting the application for variation EPR/SP3339BL/V010

Note [3] Monitoring is by in-house methods

Note [4] The Operator shall monitor for this substance for every first batch of each production campaign.

Note [5] Vent A1 shall not operate when any other process emitting Total Class B Volatile Organic Compounds is in operation.

Note [6] The Operator shall monitor for this substance for every first batch of each production campaign unless otherwise agreed in writing with the Environment Agency

Table S3.1 (b) Point source emissions to air – no monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
A2	ADPA Plant Acetic Anhydride Tank	No parameters set	None set	--	--	--
A9	THPX Reactor System Bursting Disc	No parameters set	None set	--	--	--
A10	THPX Concentrator Bursting Disc	No parameters set	None set	--	--	--
A11	THPX Reactor Acid Measure Tank	No parameters set	None set	--	--	--
A12	THPX Plant Product Treatment Tank	No parameters set	None set	--	--	--
A13	Proban Plant Transvac	No parameters set	None set	--	--	--
A14	Proban Plant LEV	No parameters set	None set	--	--	--
A20	TPU Reactor Systems Bursting Disc Dump Tank	No parameters set	None set	--	--	--

Table S3.1 (b) Point source emissions to air – no monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
A21	Tetrax Reactor System Bursting Disc Dump Tank	No parameters set	None set	--	--	--
A22	TPU Plant Drum Filling Area LEV	No parameters set	None set	--	--	--
A29	Semi Works Thermal Oil Heater Stack	No parameters set	None set	--	--	--
A31	Accomet Plant Dust Control Unit	No parameters set	None set	--	--	--
A32	Accomet Plant Reactor Breather Vent	No parameters set	None set	--	--	--
A38	Pilot Plant No. 4 Building Dump Tank Vent	No parameters set	None set	--	--	--
A41	Pilot Plant Filter Dryer, Vessel FD1800 and Nitrogen Main Pressure Relief Vent	No parameters set	None set	--	--	--
A42	Pilot Plant Filter Dryer Charging Booth and Discharge Point LEV	No parameters set	None set	--	--	--
A43	Pilot Plant Filter Dryer Charging Booth Low Level LEV	No parameters set	None set	--	--	--
A44	Pilot Plant Clean Room Low Level LEV	No parameters set	None set	--	--	--
A45	Boiler Stack	No parameters set	None set	--	--	--

Table S3.1 (b) Point source emissions to air – no monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
A46 [2]	CHP Gas Engine Stack	No parameters set	None set	--	--	--

Note [1] (Except A46) As shown on the "Site Emissions (Environmental Permit Regulated) map" supporting the application for variation EPR/SP3339BL/V010.

Note [2] As shown on site plan in Schedule 7 of variation EPR/SP3339BL/V011.

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit) [2]**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
W1 [1]	Site drainage under storm overflow conditions	pH	6 - 9	Spot sample	During storm overflow conditions only	BS 6068-2.50:1995
		Suspended solids	500 mg/l	Spot sample		BS EN 872:1995
		Cadmium	10 µg/l	Spot sample		BS EN ISO 5961:1995
		Arsenic	No limits set	Spot sample		BS EN ISO 11969:1996
		Nickel		Spot sample		BS6068-2.29:1987
		Lead		Spot sample		BS6068-2.29:1987
		Phosphorous		Spot sample		BS6068-2.83:2003
		Total Chromium		Spot sample		BS EN 1233:1997
		Zinc		Spot sample		BS6068-2.29:1987
		Copper		Spot sample		BS6068-2.29:1987

Note [1] As shown on the "Site Emissions (Environmental Permit Regulated) map" supporting the application for variation EPR/SP3339BL/V010

Note [2] See Schedule 6 for reference conditions

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. Unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
W2 [1]	Installation Effluent Treatment Plant	No parameters set	None set	--	--	--
Note [1] As shown on the "Site Emissions (Environmental Permit Regulated) map" supporting the application for variation EPR/SP3339BL/V010						

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.	A4, A6, A7, A17, A27, A33, A34, A35, A36, A37, A39, A40.	Quarterly	1 January
Emissions to air Parameters as required by condition 3.5.1.	A1, A15, A16, A18, A19.	6-monthly	1 January
Emissions to air Parameters as required by condition 3.5.1.	A3, A5, A8, A31.	Annually	1 January
Emissions to water Parameters as required by condition 3.5.1	W1	Each storm overflow condition	1 January

Table S4.2: Annual production/treatment	
Parameter	**Units**
Total finished product produced	tonnes

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Mains water (potable)	Annually	m^3
Mains water (potable) / tonne produced	Annually	m^3 / tonne
Non-potable water	Annually	m^3
Non-potable water / tonne produced	Annually	m^3 / tonne
Total electricity	Annually	MWh
Gas	Annually	MWh
Diesel	Annually	MWh
Imported electricity	Annually	MWh
Imported steam	Annually	MWh
Phosphate release to air / tonne product	Annually	tonnes
Hazardous waste produced	Annually	tonnes
Non-hazardous waste produced	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Air	Form A1 or other form as agreed in writing by the Environment Agency	08/11/2005
Water	Form W1 or other form as agreed in writing by the Environment Agency	08/11/2005
Waste produced	Form R1 or other form as agreed in writing by the Environment Agency	08/11/2005
Water usage	Form WU1 or other form as agreed in writing by the Environment Agency	08/11/2005
Energy usage	Form E1 or other form as agreed in writing by the Environment Agency	08/11/2005
Other performance indicators	Form PI1 or other form as agreed in writing by the Environment Agency	08/11/2005

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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
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.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“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 limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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

“Multi-Product Protocol” (MPP) - means a procedure written by an operator and approved by the Environment Agency, which is referenced in the operational techniques table of this permit. It describes the operators management process which can be used to request changes, within the limits in that document only, to the original permit without the need for a formal permit variation application.

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

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan

END OF PERMIT