Surrender notice with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Federal-Mogul Friction Products Limited

Chapel-en-le-Frith Friction Products
Hayfield Road
Chapel-en-le-Frith
High Peak
Derbyshire
SK23 0JP

Surrender application number

EPR/BS2968IF/S005

Permit number

EPR/BS2968IF

Chapel-en-le-Frith Friction Products

Permit number EPR/BS2968IF

Introductory note

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

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

This partial surrender of the permit is part of a scheme to consolidate manufacturing operations into a single building and release surplus land for development. Production operations have ceased in the production building known as Block B, and all machinery has been relocated. The partial surrender relates to the land currently occupied by Block B and a smaller welfare Block M.

The changes to the site have meant that the permit needs varying to reflect the continuing installation activities. In addition, the operator had submitted a variation to cover several changes they wanted to make to their activities, but this was put on hold due to the proposed surrender of part of the installation. We have therefore taken the opportunity to resolve these issues as part of the variation required by the partial surrender, and to produce a single consolidated permit. The main changes are as follows:

- An updated site plan to reflect the changes to the installation boundary due to the surrender;
- Surrender of the activity listed under Section 7 Part B of the Solvent Emissions Directive. At this Installation the use of (volatile) organic solvent within the activity of rubber conversion including any directly associated activities is now less than the threshold of 15 tonnes per year. This activity is therefore no longer subject to the requirements of the Industrial Emissions Directive.
- Revisions to the emissions to air (listed in table S3.1 in the consolidated permit) to reflect the changed locations of the various emission points, consolidation and replacement of equipment, and the introduction of emission abatement equipment (regenerative thermal oxidisers, or RTOs) serving to reduce emissions of volatile organic compounds (VOCs) and odour.
- Changes to conditions due to the complete phasing out of the chlorinated solvent trichloroethylene in the manufacturing process.

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

The main features of the permit are as follows.

The following Permit is issued under Regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010 (SI 2010, 675), as amended, ("the EPR Regulations") to operate an installation carrying out activities covered by the descriptions in Section 4.2 Part A (1)(d) Part 1 to Schedule 1 of the EPR Regulations, to the extent authorised by the Permit:

Section 4.2, Part A(1)(d) - "Unless falling within any other Section, any manufacturing activity (other than the application of a glaze or vitreous enamel) involving the use of, or the use or recovery of, any compound of (i) antimony."

The Installation is located on Hayfield Road at the northern edge of Chapel-en-le-Frith, Derbyshire and centred on national grid reference SK 05794 81227.

The primary listed activity carried out at the installation is the manufacture of friction products used as braking components (brake shoes and pads) in cars, commercial vehicles and trains. The friction products are typically a range of additives bonded in a resin and fixed to a metal holder. The metal parts are cleaned and painted. The components forming the friction product are mixed together and then glued to the metal under pressure, which compresses the mixture to form the brake shoes and pads. The brake shoes and pads are then cured in an oven to produce a hard friction product. These products can be subject to quick,

high temperature “scorching” to ensure that the product is fully effective as soon as it is fitted to the vehicle. The resin mixtures are variable depending on the properties required in the final product. As well as the resin itself other components can be antimony compounds, lubricants, various rubbers and abrasives.

The Installation also includes storage areas for raw materials, products and liquid and solid waste and a water treatment facility to treat water abstracted (water abstraction licence 2569009009) from Black Brook, which is mainly used for cooling. All of these activities are directly associated with the primary listed activity. The abstraction point is not considered to be part of the Installation and is not covered under the conditions of this Permit.

The main emissions to air consist of volatile organic compounds, particulates, hydrogen chloride and ammonia. Process effluent, which consists mainly of cooling water, and uncontaminated site surface water run-off is discharged to Black Brook via settlement tanks and emission limit values have been set under this Permit. In addition, there is further separate discharge of uncontaminated site surface water run-off to Black Brook. There is no on-site effluent treatment plant and there are no discharges to sewer from the process. Any contaminated liquid waste is collected and stored for treatment and disposal off-site.

There are several Natura 2000 sites, including the South Pennine Moors and Peak District Dales within 10 km of the Installation. However, the Installation is unlikely to have any significant effect on any Natura 2000 site.

The Operator has a Climate Change Levy Agreement in place for the Installation, the purpose of which is to require the Operator to meet agreed reductions in energy consumption for the site and hence reduce carbon dioxide emissions. The Operator also has an environmental management system in place for the site, which is certified to the international standard ISO 14001.

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/BS2968IF	Duly made 23/12/2004	-
Further information request dated 02/02/2005	08/03/2005	Clarification of operator status due to company being in administration.
Schedule 4 Notice dated 23/03/2005	29/04/2005, 30/06/2005, 14/07/2005	
Additional information received	04/08/2005	Odour monitoring proposal
Further information request dated 22/08/2005 (by phone)	22/08/2005	Clarification of dust plants in service adjacent to Burnfields Road
Further information request dated 06/08/2005	30/08/2005	Clarification of local exhaust ventilation (LEV) monitoring
Further information request dated 07/11/2005 (by phone)	07/11/2005	Emission monitoring results for 2005
Additional information received	15/02/2006	HCl emissions
Permit determined EPR/BS2968IF	17/02/2006	Permit issued to Federal-Mogul Friction Products Limited.
Variation application WP3434VA (EPR ref. EPR/BS2968IF/V004)	Duly made 19/10/2007	-
Variation application WP3434VA Determination suspended	22/01/2008	Suspended at request of operator.
Partial Surrender application EPR/BS2968IF/S002	Received 06/02/2014	Returned to operator.

Status log of the permit		
Description	**Date**	**Comments**
Partial Surrender application EPR/BS2968IF/S003	Received 28/05/2014	Returned to operator.
Partial Surrender application EPR/BS2968IF/S005	Duly made 09/02/2015	-
Response to request for information dated 01/05/2015	12/06/2015 and 24/07/2015	-
Additional information received	02/10/2015	Revised Site Boundary Plan.
Partial Surrender application determined EPR/BS2968IF/S005 (billing ref FP3237WU)	22/12/2015	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of surrender

The Environmental Permitting (England and Wales) Regulations 2010

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

Permit number

EPR/BS2968IF

Issued to

Federal-Mogul Friction Products Limited ("the operator")

whose registered office is

c/o Federal-Mogul Limited
Suite 14 Manchester International Office Centre
Styal Road
Manchester
Lancashire
M22 5TN

company registration number 00447826

to operate a regulated facility at

Chapel-en-le-Frith Friction Products
Hayfield Road
Chapel-en-le-Frith
High Peak
Derbyshire
SK23 0JP

to the extent set out in the schedules.

This notice shall take effect from 22/12/2015.

Name	Date
Philip Lamb	**22/12/2015**

Authorised on behalf of the Environment Agency

Schedule 1 – changes in the permit

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/BS2968IF

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Federal-Mogul Friction Products Limited ("the operator"),

whose registered office is

c/o Federal-Mogul Limited
Suite 14 Manchester International Office Centre
Styal Road
Manchester
Lancashire
M22 5TN

company registration number 00447826

to operate an installation at

Chapel-en-le-Frith Friction Products
Hayfield Road
Chapel-en-le-Frith
High Peak
Derbyshire
SK23 0JP

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

Name	Date
Philip Lamb	**22/12/2015**

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 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 only 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 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.

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.

3.1.3 Total annual emissions from the emission points set out in schedule 3 table S3.1 of a substance listed in schedule 3 table S3.3 shall not exceed the relevant limit in table S3.3.

3.1.4 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 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, 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 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.

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 "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	**Description of specified activity**	**Limits of specified activity**
S4.2 A1 (d)(i)	Manufacturing activity involving the use of antimony. Manufacture of friction products used as braking components (brake shoes and pads) in cars, commercial vehicles and trains.	Receipt of raw materials to dispatch of finished product
Directly Associated Activity		
-	Treatment of water (abstracted from Black Brook) prior to use mainly as cooling water	From receipt of water to use mainly as cooling water in the manufacturing process
-	Handling and storage of liquid and solid waste prior to removal off-site.	From production of waste materials to their removal off-site.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The response given to questions 2.1 and 2.2 given in sections 2.1 and 2.2 of the application.	23/12/2004
Response to Schedule 4 Notice dated 23/03/2005	The response to question 8.	29/04/2005
Partial Surrender application	The response to questions in section E2 of the application.	09/02/2015
Response to Schedule 5 Notice dated 01/05/2015	The response to questions 1 to 8.	12/06/2015 and 24/07/2015

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1 - IC7	-	Completed
IC8	The operator shall submit a summary report of results of monitoring the emissions to air from the thermal oxidisers. The report shall include an assessment of the destruction efficiency of the thermal oxidisers for VOCs and a comparison against applicable emission limits in table S3.1.	Within three months of commissioning each thermal oxidiser.
IC9	The operator shall submit a report giving the results of dispersion modelling of the releases to air from the permitted installation. The report shall review and take account of any revised sensitive receptors in the vicinity of the site. The report shall also include a comparison with the results of the dispersion modelling submitted as part of the original permit application.	Within six months of commissioning all thermal oxidisers.
IC10	The Operator shall submit a summary report of monitoring of the outlets of the thermal oxidiser units for odour. The odour monitoring shall be carried out according to BSEN13725 – Dynamic dilution olfactometry.	Within six months of the commissioning all thermal oxidisers.

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC11	The operator shall conduct a noise survey in accordance with BS4142:2014 to quantify the noise on site and, if necessary, identify additional noise abatement or reduction measures to ensure noise levels do not cause pollution outside the site boundary. The operator shall provide a report to the Environment Agency detailing noise survey results and include a plan for the implementation of any recommendations made as a result of the noise survey. The operator must implement the plan as agreed, and from the date stipulated by the Environment Agency. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report.	Within three months of the commissioning all thermal oxidisers.
IC12	The operator shall review and update the site EMS to implement a planned preventative maintenance (PPM) procedure for all plant and equipment used in operating the installation, the failure of which could lead to an adverse impact on the environment. The PPM shall include details of key roles and responsibilities and clear record keeping. The operator shall provide a summary report on the implementation of the PPM procedure to the Environment Agency. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report.	22/04/2016

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
-	-

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
A2 [Vents A1047, A1048 A1049, A1052, A1053, A1054, A1055, A1056, A1058, A1062, A1063, A1064, A1069 as shown on Drawing IPPC 001/2015/R1]	Dust Plant Type 1 (Medium and large dust extraction plant)	Particulate	5 mg/m^3	10 minute average	Continuous	BS ISO 10155
		Antimony	1 mg/m^3	Hourly average	Annually (a representative sample of 3 release points relating to emission point A2) NOTE2	BS EN 14385
A3 [Vents A1006, A1011, A1012, A1014, A1015, A1017, A1020, A1022, A1023, A1024, A1026, A1027, A1028, A1031, A1034, A1035, A1036, A1037, A1038, A1039 as shown on Drawing IPPC 001/2015/R1]	Dust Plant Type 2 (Small dust extraction plant)	Particulate	5 mg/m^3	Hourly average	Annually (a representative sample of 3 release points relating to emission point A3) NOTE2	BS EN 13284-1
A5 [Flue A3036 as shown on Drawing IPPC 001/2015/R1]	Type 2 Ovens (Drying and curing ovens)	Ammonia	10 mg/m^3	Hourly average	Annually	BS EN 14791
		Hydrogen Chloride	10 mg/m^3	Hourly average	Annually	BS EN 1911:1998
		Volatile organic compounds Class B (as carbon)	75 mg/m^3	Hourly average	Quarterly	BS EN 13526:2001
A7 [Flues A3043, A3044, A3045, A3046 as shown on Drawing IPPC 001/2015/R1] NOTE3	Type 4 Ovens (Drying and curing ovens)	Ammonia	10 mg/m^3	Hourly average	Annually (a representative sample of 1 release point relating to emission point A7) NOTE2	BS EN 14791
		Hydrogen Chloride	20 g/hr	Hourly average	Annually (a representative sample of 1 release point relating to emission point A7) NOTE2	BS EN 1911:1998

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
		Volatile organic compounds Class B (as carbon)	75 mg/m^3	Hourly average	Quarterly (a representative sample of 1 release point relating to emission point A7) NOTE2	BS EN 13526:2001
A7a [Flue A3048 as shown on Drawing IPPC 001/2015/R1] NOTE3	Type 4 Ovens (Drying and curing ovens)	Ammonia	10 mg/m^3	Hourly average	Annually	BS EN 14791
		Hydrogen Chloride	20 g/hr	Hourly average	Annually	BS EN 1911:1998
		Volatile organic compounds Class B (as carbon)	75 mg/m^3	Hourly average	Quarterly	BS EN 13526:2001
A8 [Flues A3034, A3035 as shown on Drawing IPPC 001/2015/R1] NOTE3	Type 5 Ovens/Powder Paint Curing Ovens (Drying and curing ovens)	Ammonia	10 mg/m^3	Hourly average	Annually (a representative sample of 1 release point relating to emission point A8) NOTE2	BS EN 14791
		Hydrogen Chloride	10 mg/m^3	Hourly average	Annually (a representative sample of 1 release point relating to emission point A8) NOTE2	BS EN 1911:1998
		Volatile organic compounds Class B (as carbon)	500 g/hr	Hourly average	Quarterly (a representative sample of 1 release point relating to emission point A8) NOTE2	BS EN 13526:2001
A11 [A3000 as shown on Drawing IPPC 001/2015/R1]	Regenerative Thermal Oxidizer 1 (RTO1)	Ammonia	10 mg/m^3	Hourly average	Annually	BS EN 14791
		Hydrogen Chloride	10 mg/m^3	Hourly average	Annually	BS EN 1911:1998
		Volatile organic compounds Class B (as carbon)	75 mg/m^3	Hourly average	Annually	BS EN 13526:2001

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
		Dioxins/furans (I-TEQ and WHO-TEQ) NOTE1	-	-	Annually	BS EN 1948
		Antimony	1 mg/m^3	Hourly average	Annually	BS EN 14385
		Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	50 mg/m^3	Hourly average	Annually	BS EN 14791
		Carbon monoxide	50 mg/m^3	Hourly average	Annually	BS EN 15058
A12 [A3001 as shown on Drawing IPPC 001/2015/R1]	Regenerative Thermal Oxidizer 2 (RTO2)	Ammonia	10 mg/m^3	Hourly average	Annually	BS EN 14791
		Hydrogen Chloride	10 mg/m^3	Hourly average	Annually	BS EN 1911:1998
		Volatile organic compounds Class B (as carbon)	75 mg/m^3	Hourly average	Annually	BS EN 13526:2001
		Dioxins/furans (I-TEQ and WHO-TEQ) NOTE1	-	-	Annually	BS EN 1948
		Antimony	-	Hourly average	Annually	BS EN 14385
		Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	50 mg/m^3	Hourly average	Annually	BS EN 14791
		Carbon monoxide	50 mg/m^3	Hourly average	Annually	BS EN 15058
A13 [A3002 as shown on Drawing IPPC 001/2015/R1]	Regenerative Thermal Oxidizer 3	Ammonia	10 mg/m^3	Hourly average	Annually	BS EN 14791

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
NOTE4	(RTO3)	Hydrogen Chloride	10 mg/m^3	Hourly average	Annually	BS EN 1911:1998
		Volatile organic compounds Class B (as carbon)	75 mg/m^3	Hourly average	Annually	BS EN 13526:2001
		Dioxins/furans (I-TEQ and WHO-TEQ) NOTE1	-	-	Annually	BS EN 1948
		Antimony	-	Hourly average	Annually	BS EN 14385
		Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	50 mg/m^3	Hourly average	Annually	BS EN 14791
		Carbon monoxide	50 mg/m^3	Hourly average	Annually	BS EN 15058
A14 [A3003 as shown on Drawing IPPC 001/2015/R1] NOTE4	Regenerative Thermal Oxidizer 4 (RTO4)	Ammonia	10 mg/m^3	Hourly average	Annually	BS EN 14791
		Hydrogen Chloride	10 mg/m^3	Hourly average	Annually	BS EN 1911:1998
		Volatile organic compounds Class B (as carbon)	75 mg/m^3	Hourly average	Annually	BS EN 13526:2001
		Dioxins/furans (I-TEQ and WHO-TEQ) NOTE1	-	-	Annually	BS EN 1948
		Antimony	-	Hourly average	Annually	BS EN 14385
		Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	50 mg/m^3	Hourly average	Annually	BS EN 14791

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
		Carbon monoxide	50 mg/m^3	Hourly average	Annually	BS EN 15058
NOTE1: The TEQ sum of the equivalence factors to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum.						
NOTE2: The representative sample of release points to be monitored shall be agreed in writing with the Environment Agency prior to monitoring commencing.						
NOTE3: Limits and monitoring requirements will be superseded by those for RTO4 once the emissions are routed to RTO4 and this is confirmed in writing as operational.						
NOTE4: The limits and monitoring requirements do not apply until the RTO is installed and operational.						

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)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
W1 emission to Black Brook at grid ref. SK 05650 81700 NOTE1	Cooling water plus uncontaminated surface water	Total suspended solids	40 mg/l	Spot	Daily	BS EN 872 ISO 11929:1997
		pH	6-9	Spot	Daily	BS 1647-2:1984
		Temperature	22°C	Spot	Daily	Traceable to national standards
		Chemical Oxygen Demand	25 mg/l (as a 95th %ile with no individual result being above 50 mg/l	Spot	Weekly	ISO 6060:1989
		Flow	130 m^3/hour	Hourly	Continuous	SCA Estimation of flow and load, ISBN011752 364X
		Trichloro-ethylene	No limit set	Spot	Monthly	USEPA 8260
W2 emission to Black Brook at grid ref. SK 05930 81325	Uncontaminated surface water	No parameters set	No limit set	-	-	-
NOTE1: The monitoring requirements apply when the emission point is discharging. A record of the dates and times of operation of the emission point discharge shall be maintained as part of the management system.						

Table S3.3 Annual limits		
Substance	Medium	Limit (incl. unit)
Antimony	Air	0.5 kg in a year

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.	A2, A3, A5, A7, A7a, A8, A11, A12, A13, A14	Every 12 months	1 January
Emissions to water Parameters as required by condition 3.5.1	W1, W2	Every 6 months	1 January, 1 July

Table S4.2 Annual production/treatment	
Parameter	**Units**
Total number of brake parts produced	-

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Emissions of volatile organic compounds to air, total Class B	Monthly	kg/unit

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Air	Forms A1 and A2 or other form as agreed in writing by the Environment Agency	December 2005
Water and Land	Form W1 or other form as agreed in writing by the Environment Agency	December 2005
Water usage	Form WU1 or other form as agreed in writing by the Environment Agency	December 2005
Energy usage	Form E1 or other form as agreed in writing by the Environment Agency	December 2005
Other performance indicators	Form PI1 or other form as agreed in writing by the Environment Agency	December 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.

“emissions to land” includes emissions to groundwater.

“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 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 in Annex lll of the Waste Framework Directive.

“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.

“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.

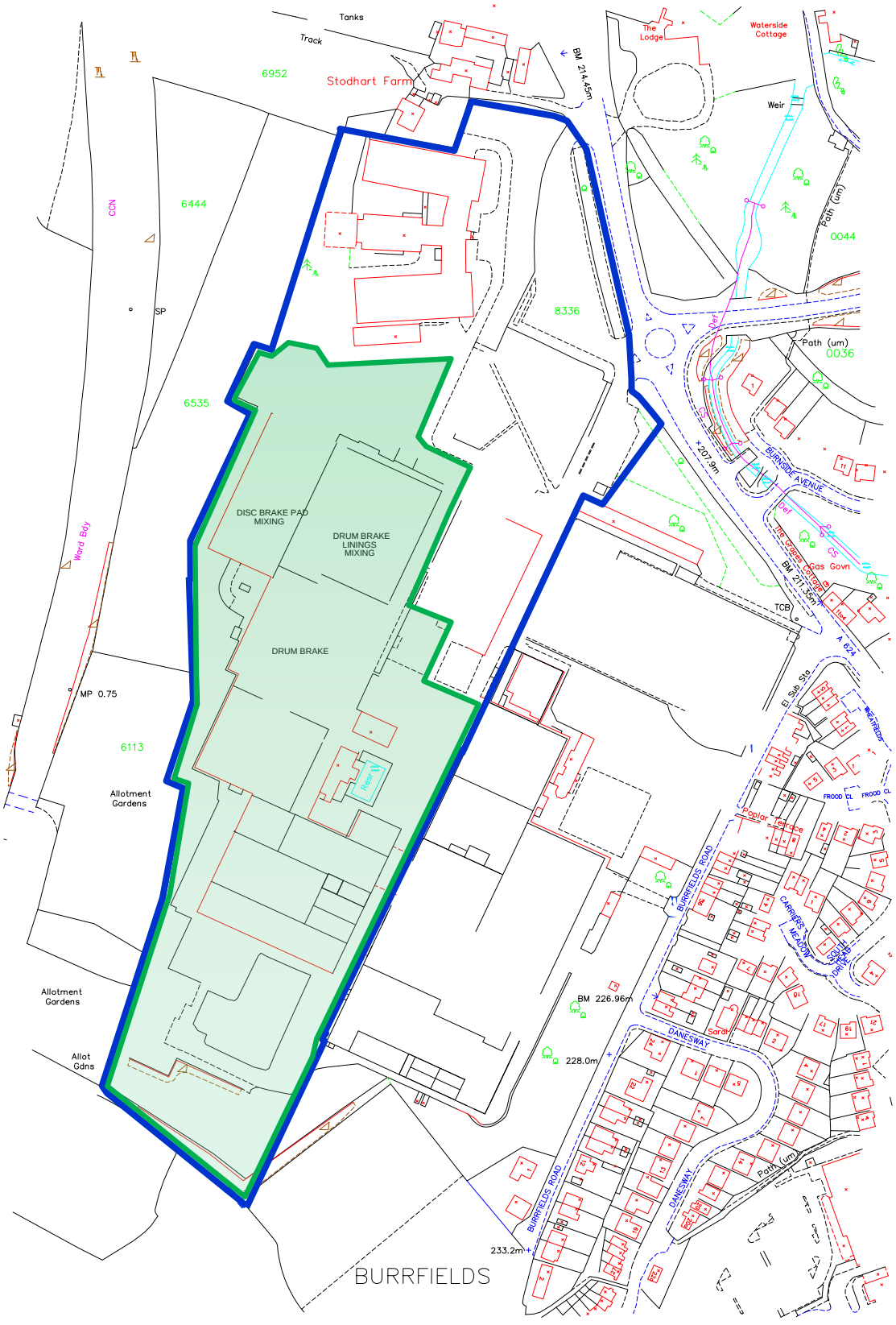
“year” means calendar year ending 31 December.

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.

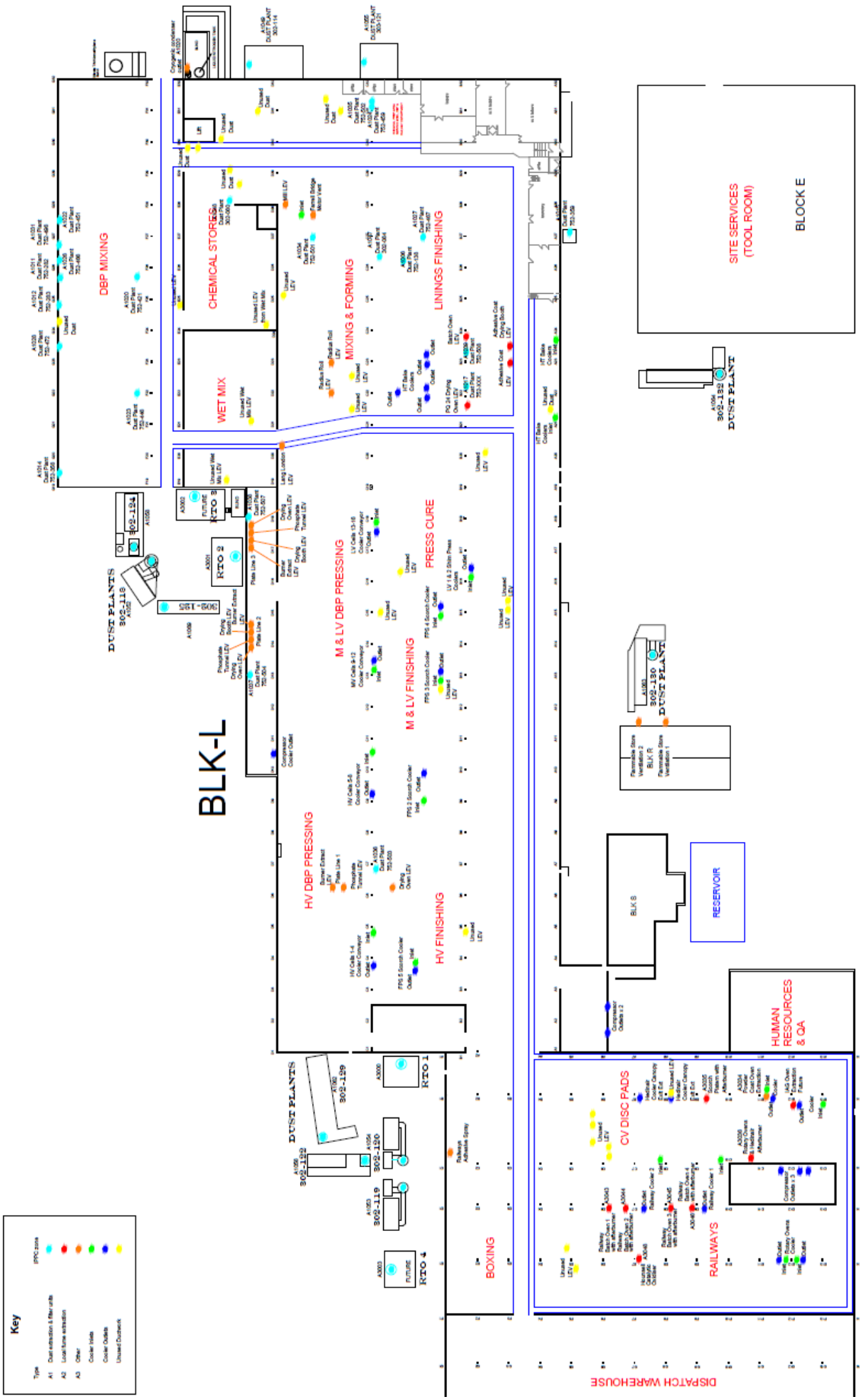
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- 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



Extract of Drawing ref IPPC 001/2015/R1 showing emission points to air



END OF PERMIT