



**POLLUTION PREVENTION AND CONTROL ACT 1999
ENVIRONMENTAL PERMITTING (ENGLAND & WALES) REGULATIONS 2010
(As Amended)**

Permit Number: 6.5/074804/JT
Installation Address:
Brightstar Shotblasting & Coatings Limited
Newhall Works
Newhall Road
Sheffield
S9 2QL

In accordance with Regulation 13(1) of the Environmental Permitting (England and Wales) Regulations 2010 as amended, Brightstar Shotblasting and Coatings Limited is hereby permitted to operate a scheduled activity at the address detailed above, namely a Coating Activity involving the coating of metal using 5 tonnes or more of organic solvents in any twelve month period and the directly associated activity of shotblasting prior to coating, as described in Schedule 1, Part 2, Chapter 6, Section 6.4, Part B subsection (a)(iv) and subject to the following Permit conditions.

Signed

Dated this day: June 6th 2014

Assistant Manager
Authorised by Sheffield City Council to sign on their behalf

The Secretary of States Guidance PG 6/23 (11) for Coating of Metal and Plastic Processes has provided the framework for the conditions in this Permit.

Name & Address of Operator:

Brightstar Shotblasting & Coatings Limited
Newhall Works
Newhall Road
Sheffield
S9 2QL

Registered Office:

Brightstar Shotblasting & Coatings Limited
Newhall Works
Newhall Road
Sheffield
S9 2QL

Address of Permitted Installation:

Brightstar Shotblasting & Coatings Limited
Newhall Works
Newhall Road
Sheffield
S9 2QL

Contacts: Frank or Richard Handley Tel 2618532
brightshot@aol.com
Company registration number: 3504305

Holding Company:

NO

Talking to Us

Any communication with Sheffield City Council should be made to the following address quoting the Permit Number:

**ENVIRONMENTAL PROTECTION SERVICE
SHEFFIELD CITY COUNCIL
2-10 CARBROOK HALL ROAD
CARBROOK
SHEFFIELD
S9 2DB**

Alternatively Email: epsadmin@sheffield.gov.uk or ippc@sheffield.gov.uk

Telephone: (0114) 273 4651
Fax: (0114) 273 6464

Contents.

	page
Explanatory Note	4
Definitions	8
Description of Activities	8
Section 1 Upgrading	11
Section 2 Plant and Equipment	11
Section 3 Emission Limits and Controls	11
Section 4 Monitoring, Sampling and Measurement of Emissions	13
Section 5 Materials Handling and Storage	16
Section 6 Management, Training and Maintenance	18
Section 7 Substitution Plan	20
Section 8 Solvent Management Plan	20
Section 9 General Conditions	21
Schedule 1 Installation Location and Boundary	24
Schedule 2 Installation Layout	25
Appendix 1 Coatings and Suppliers	26

Explanatory Note to Pollution Prevention and Control Permit for Part B Installations.

(This note does not form a part of the Permit)

The following Permit is issued under Regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010 (S.I. 2010 No.675), as amended, (“the EP Regulations”) to operate an installation carrying out activities covered by the description in Section 6.4, of Schedule 1 of those Regulations, to the extent authorised by the Permit.

Process Changes

Under the provisions of the EP Regulations, you are required to notify the Council of any proposed change in operation at least 14 days before making the change. This must be in writing and must contain a full description of the proposed change in operation and the likely consequences. Failure to do so is an offence.

If you consider that a proposed change could result in the breach of the existing permit conditions or is likely to require the variation of permit conditions then you may apply in writing under Regulation 20(1) of the EP Regulations. Additionally, if this involves a SUBSTANTIAL CHANGE to the installation you will be required to submit an application, pay the relevant fee and advertise the application accordingly. You may serve a Notice on the Council requesting that they determine whether any change that is proposed would constitute a substantial change before you proceed with application.

Variations to the Permit

The Permit may be varied in the future by the Council serving a Variation Notice on the Operator. If the Operator wishes any of the Conditions of the Permit to be changed, a formal Application must be submitted.

Surrender of the Permit

Where the Operator of a Part B installation or mobile plant ceases or intends to cease the operation of the activity the Operator may notify the regulator of the surrender of the whole permit, in any other case, notify the regulator of the surrender of the permit in so far as it authorises the operation of the installation or mobile plant which he/she has ceased or intends to cease operating. The notification shall contain information as described in Regulation 24 or 25 of the EP Regulations.

Transfer of the Permit or Part of the Permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 21 of the EP Regulations. A transfer will be allowed unless Sheffield City Council considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit.

Annual Subsistence Fee

In accordance with Regulation 65 of the EP Regulations, the holder of a permit is required to pay a fee for the subsistence of the Permit. This fee is payable annually on 1st April. You are advised that under the provisions of Regulation 65 (5) of the EP Regulations, if you fail to pay the fee due promptly, Sheffield City Council may revoke the Permit. You will be contacted separately each year in respect to this payment.

Public Register

The Council is required by Regulation 46 of the EP Regulations to maintain a Public Register containing information on all LAPPC installations and mobile plant. The register is available for inspection by the public free of charge during office hours (Monday to Friday 9.00 am to 5.00 pm) at the following address:

Environmental Protection Service
Sheffield City Council
2-10 Carbrook Hall Road
Carbrook
Sheffield
S9 2DB

Tel: 0114 273 4651 or email epsadmin@sheffield.gov.uk

Confidentiality

Sheffield City Council has a duty to consider the question of confidentiality of information supplied to it. If any information supplied is considered confidential, a statement of which information this applies to and the reasons why it is considered confidential should be specified. The Operator is reminded that he may apply to Sheffield City Council for the exclusion of information from the public register under the provisions of the Environmental Permitting (England and Wales) Regulations 2010 as amended.

Appeals

Under Regulation 31 of the EP Regulations Operators have the right of appeal against the conditions attached to their permit. Schedule 6 of the EP Regulations sets out the detailed procedures.

Appeals against a Variation Notice do not have the effect of suspending the operation of the Notice. Appeals do not have the effect of suspending Permit conditions.

Notice of appeal against the conditions attached to the permit must be given within six months of the date of the Notice, which is the subject matter of the appeal.

How to Appeal

There are no forms or charges for appealing. However, for an appeal to be valid, appellants (the person/Operator making the appeal) are legally required to provide:

- Written notice of the appeal;
- A statement of the grounds of appeal;
- A statement indicating whether the appellant wishes the appeal to be dealt with by written representations procedure or a hearing – a hearing must be held if either the appellant or enforcing authority requests this, or if the Planning Inspector or the Secretary of State decides to hold one.
- (Appellants must copy the above three items to the local authority when the appeal is made)
- A copy of any relevant application;
- A copy of any relevant permit;
- A copy of any relevant correspondence between the appellant and the regulator; and
- A copy of any decision or notice, which is the subject matter of the appeal.

Where to Send Your Appeal Documents

Appeals should be addressed to:

**The Planning Inspectorate
Environmental Appeals Administration
Room 4/19 – Eagle Wing
Temple Quay House
2 The Square
Temple Quay
Bristol BS1 6PN**

In the course of an Appeal process the main parties will be informed of procedural steps by the Planning Inspectorate.

To withdraw an appeal the appellant must notify the Planning Inspectorate in writing and copy the notification to the local authority.

Enforcement

An **Enforcement Notice** may be served if the Local Authority believes an Operator has contravened, is contravening or is likely to contravene any condition of his Permit.

A **Suspension Notice** may be served if in the opinion of the Local Authority the operation of an installation involves an imminent risk of serious pollution. This applies whether or not the Operator has breached a Permit condition.

The Local Authority can revoke a Permit by written notice at any time by serving a **Revocation Notice**. The Permit then ceases to authorise the operation of the installation.

Offences

A limited summary of the offences is listed below:

- a) operation of an installation without a Permit
- b) failure to comply with or contravene a Permit condition
- c) failure to comply with the requirements of an enforcement or suspension notice

A full list is available under Regulation 38 of the Environmental Permitting (England & Wales) Regulations 2010 as amended.

Penalties

The maximum penalties for the above offences are a fine not exceeding £50,000 and/or up to twelve months imprisonment per offence for a summary conviction (in a Magistrates Court); and a fine and/or up to five years imprisonment for conviction on indictment (in a Crown Court).

Definitions

In relation to this Permit, the following expressions shall have the following meanings:

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

“EPR Regulations” means the Environmental Permitting (England and Wales) Regulations S.I.2010 No. 675 (as amended) and words and expressions defined in the EPR Regulations shall have the same meanings when used in this Permit save to the extent they are explicitly defined in this Permit.

“Permitted Installation” means the activities and the limits to those activities described in this Permit.

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

“Regulator” means any officer of Sheffield City Council who is authorised 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(1) of that Act.

“BAT” means the most effective and advanced stage in the development of activities and their methods of operation which indicates the practical suitability of particular techniques for providing in principle the bases for emission limit values designed to prevent, and where that is not practical, generally to reduce emissions and the impact on the environment as a whole. For those purposes:

“best” means, in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole; “techniques” include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned. Schedule 2 of the Regulations shall have effect in relation to the determination of best available techniques, and;

“available techniques” means those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to the Operator.

“Fugitive Emission” means an emission to air from the permitted installation that is not controlled by an emission limit imposed by a condition of this Permit.

Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the document with the most recent publication date shall be taken to be the most appropriate document to be used.

Description of Activities.

Brightstar Shotblasting & Coatings Limited cleans and re-paints metal structures. Total solvent consumption is currently in excess of 5 tonnes in any twelve month period.

This Permit covers the following activities carried out at the installation;

Shotblasting.

The cleaning by shotblasting of metallic structures in two purpose built shotblast rooms. Chilled iron grit is used to shotblast components. Shot is directed onto the substrate via a nozzle which is held by the operative. Used shot and dislodged materials such as rust are collected by an under floor conveyor where it is separated. Good shot is recycled for re-use, spent unusable shot and large particulates drop into a collection bin. Fine dust created by this process is filtered through 2 Hodge Clemco cartridge filter units before being discharged to the external air via 2 x 5 metre high stacks discharging horizontally.

Application of Coatings.

Brightstar employs two methods of coating; traditional spraying and electrostatic.

Coatings containing volatile organic compounds (VOC's) are applied to metal structures inside the two spraying areas of the buildings. Primer and finish coats are applied to blasted components and fabrications using airless spraying equipment.

Typically, several coats of paint are required. The paints currently used are supplied by a number of suppliers, found in Appendix 1.

Coatings may also be applied using electrostatic coating methods. This takes place in the spraying areas using specialist guns and a coating agent. The site uses Wagner GM 5000 spray guns.

Paint Storage.

Paints are stored in a locked storage area and records are kept of the quantities used.

Gun Cleaning.

Spray gun cleaning is undertaken in the paint preparation area using an enclosed system.

This Permit also applies to the receipt of raw materials, the handling, storage and transport on site of waste materials within the installation boundary as highlighted in Schedule 1 of this Permit.

CONDITIONS OF PERMIT.

The following conditions shall be complied with immediately unless otherwise stated.

Section 1 – Upgrading.

- 1.1 The Operator shall ensure that a magnehelic gauge or other pressure drop indicator is fitted to each of the two Hodge Clemco cartridge filter units within 6 weeks of the date of this Permit.
- 1.2 Prior to installation of the magnehelic gauges required by condition 1.1, the Operator shall submit the details to the Regulator.

Section 2 – Plant and Equipment.

- 2.1 The activities at the installation shall be carried out within the installation boundary outlined in red as indicated on the installation location plan shown in Schedule 1 of this Permit.
- 2.2 Permitted activities shall only be carried on using the plant and equipment as detailed in the Description of Activities and on the Installation Layout reproduced in Schedule 2 of this Permit.
- 2.3 The Operator shall notify Sheffield City Council's Environmental Protection Service of any proposed operational changes including any alterations to the process involving the provision of new plant or equipment which may affect emissions or have consequences for the environment. The information shall be submitted at least 14 days before the changes take place.

Section 3 – Emission Limits and Controls

- 3.1 No visible dust or particulate matter shall be emitted beyond the installation boundary. The installation boundary is detailed in Schedule 1.
- 3.2 There shall be no burning of materials, including waste, in the open air, inside buildings or in any form of incinerator in connection with the activities within the installation boundary, without permission in writing from Sheffield City Council's Environmental Protection Service.
- 3.3 Emissions from combustion processes shall be free from visible smoke and in any case shall not exceed the equivalent of Ringelmann Shade 1 as described in British Standard BS 2742:2009.

- 3.4 All reasonably practicable steps shall be taken to minimise the duration and visibility of emissions during start up and shut down.
- 3.5 All emissions shall be free from offensive odour beyond the installation boundary, as perceived by an officer of Sheffield City Council's Environmental Protection Service.
- 3.6 The Operator shall ensure that no coatings containing isocyanates are used in the installation.
- 3.7 The Operator shall ensure that no coatings containing lead chromate are used in the installation.
- 3.8 The Operator shall ensure that no Designated "Risk Phrase"¹ or "Hazard Statement" coatings are used in the installation.
- 3.9 The use of odour masking agents is not permitted. Where offensive odour is detected at the installation boundary, counteractants may be used only by agreement in writing by Sheffield City Council's Environmental Protection Service.
- 3.10 Paint application shall only be carried on inside the buildings with the doors closed.
- 3.11 Where the solvent consumption of the coating of metal activity is 5 to 15 tonnes per annum, the following fugitive emission value shall apply:

Activity	Fugitive Emission Limit	Calculation
Coating Activity	25% of the solvent input	Calculation to be undertaken in accordance with PG6/23 (11).

- 3.12 Where the solvent consumption of the coating of metal activity is 15 tonnes or more per annum, the following fugitive emission value shall apply:

Activity	Fugitive Emission Limit	Calculation
Coating Activity	20% of the solvent input	Calculation to be undertaken in accordance with PG6/23 (11).

¹ Materials designated, because of their VOC content: Until 1 Jun 2015: risk phrase R45, R46, R49, R60 or R61. From 1 Dec 2010: hazard statement H340, H350, H350i, H360D or H360F. Materials designated because of their halogenated VOC content: Until 1 Jun 2015: risk phrase R40, or from 1 Dec 2010 until 1 Jun 2015, risk phrase R68. From 1 Dec 2010: hazard statements H341 or H351. As from 1st Dec 2010 "risk phrase" materials will also be known as "hazard statement" materials. Either term will apply until 1 Jun 2015, when only the term "hazard statement" materials will apply.

- 3.13 Shotblasting shall only occur in the dedicated shotblast booths with the extraction and filters operating.
- 3.14 The best available techniques shall be used to prevent or, where that is not practicable, reduce emissions from the installation in relation to any aspect of the operation of the installation which is not regulated by any other condition of this Permit.
- 3.15 Emissions of total particulate matter from the stacks serving the shotblast booth shall not exceed 50mg/m³.
- 3.16 There shall be no persistent visible emission from any activity within the installation boundary.
- 3.17 The introduction of dilution air to achieve emission limits is not permitted.
- 3.18 A minimum discharge velocity of 15m/s shall be applicable to all stacks, which shall discharge vertically upwards.

Section 4 – Monitoring, Sampling and Measurement of Emissions.

- 4.1 The Operator shall ensure that a detailed inventory of all solvent usage is kept. This inventory shall include cleaning solvent usage, use of thinners, and the solvent or organic compound content of coatings used, stored and purchased. The inventory shall also include all solvents removed from the site as waste and any quantities recovered for re-use. The inventory shall be kept on site and submitted to Sheffield City Council's Environmental Protection Service by 14th January each year and shall cover the period 1st January to 31st December of the previous year.
- 4.2 A calculation of the organic solvent consumption; the total mass of organic solvent inputs minus any solvents sent for recovery or re-use off site, shall be completed by the Operator. The calculation of solvent consumption shall be by a mass balance method to determine the annual actual consumption of organic solvent. The mass balance calculation shall be carried out in accordance with Process Guidance Note 6/23(11). The consumption details shall be forwarded to Sheffield City Council's Environmental Protection Service by 14th January each year and shall cover the period 1st January to 31st December of the previous year.
- 4.3 A system to monitor and record the consumption of organic solvents used for coating against the quantity of items sprayed shall be used and maintained to minimise the amount of excess organic solvent used.

- 4.4 A summary of the records produced for the spraying monitoring system required by condition 4.3 of this Permit shall be submitted to Sheffield City Council's Environmental Protection Service by 14th January each year.
- 4.5 The Operator shall ensure that a visual assessment of emissions from the stacks serving the bag filter unit serving shotblasting rooms is carried out once a week when shotblasting is being carried out. The assessments shall last for a duration of at least one minute. The results of the visual assessments shall be recorded in the log book kept in accordance with this Permit.
- 4.6 The Operator shall ensure that an odour assessment of emissions from the buildings where spraying and coating occurs is carried out at least once a day for a period of at least two minutes when spraying is being undertaken. The assessment shall be made downwind of the spraybooth stacks at a point on the installation boundary. The results of these assessments shall be recorded in the log book kept in accordance with this Permit.
- 4.7 The Operator shall ensure that a log book containing all results of inspections and assessments made in accordance with Permit conditions is kept. The records shall include the date and time, the nature, colour, persistency and intensity of any emission and the name of the person carrying out the inspection. Adverse results shall be investigated immediately and in all cases shall be recorded in the log book. The log book shall be kept on the premises and made available for inspection by authorised officers of Sheffield City Council's Environmental Protection Service. Such records shall be kept for a minimum of two years and shall be furnished in writing to Sheffield City Council on demand.
- 4.8 All pollutant concentrations shall be expressed at reference conditions, 273K, 101.3 kPa with no correction for water vapour content.
- 4.9 Sheffield City Council's Environmental Protection Service shall be advised at least 7 days in advance of any periodic stack monitoring exercise. The site specific monitoring protocols shall be submitted and include the stacks to be tested, pollutants to be monitored, methods to be used and the competencies of the consultants undertaking the testing.
- 4.10 Results of any stack monitoring exercise shall be forwarded to Sheffield City Council's Environmental Protection Service within 8 weeks of completion of the exercise.

- 4.11 Adequate facilities for stack monitoring, in line with British or equivalent standards, shall be provided, and maintained, on vents or ducts to enable monitoring to determine compliance with Permit conditions.
- 4.12 Emissions of total particulate matter from shotblast stacks shall be monitored at least once in every twelve month period.
- 4.13 Non-continuous emissions monitoring of particulate matter from the shotblast rooms shall be carried out in accordance with the main procedural requirements of BS ISO12141:2002 or BS EN 13284:Part 1 with averages taken over operating periods excluding start up and shut down, or by another method agreed in writing by Sheffield City Council Environmental Protection Service. Sampling equipment should be capable of collecting particulate matter of 0.1 microns diameter or less, with an efficiency of at least 75%.
- 4.14 Monitoring shall be carried out in accordance with methods described in M1 "Sampling requirements for monitoring stack emissions to air from industrial installations"² and M2 "Monitoring of stack emissions to air", or by another method agreed in writing by Sheffield City Council's Environmental Protection Service.
- 4.15 Results of non-continuous monitoring shall include details of process conditions at the time of monitoring, monitoring uncertainties, any deviations from the procedural requirements of standard reference methods and any error invoked from such deviations.
- 4.16 In any case where the measured stack emissions exceed the emission limit of 50 mg/m³ specified in conditions 3.15 of this Permit, the Environmental Protection Service at Sheffield City Council shall be notified within one day of the Operator receiving the results.

²The Environment Agency's Monitoring Certification Scheme <http://www.mcerts.net>

- 4.17 In the event of results from any stack monitoring activity demonstrating a breach of emission limit or other condition of Permit, the Operator shall undertake the following actions:
- Cease using the plant identified as in breach of the emission limit immediately;
 - Investigate the cause immediately;
 - Carry out corrective action as soon as is practicably possible;
 - Record in the recording system required by condition 4.7 as much detail as possible regarding the cause and extent of the problem and the action taken to rectify the situation;
 - Notify Sheffield City Council's Environmental Protection Service in accordance with condition 4.16;
 - Undertake emissions re-testing following corrective action as soon as can be arranged;
 - Only re-start the process found to be responsible for the breach when it can be demonstrated to comply with emission limits and Permit requirements;
 - Notify Sheffield City Council's Environmental Protection Service within one day of becoming aware of the re-test results.

- 4.18 The Operator shall report to Sheffield City Council's Environmental Protection Service immediately in cases where:

- An emission is likely to have an effect on neighbouring premises; or
- There is a failure of any arrestment plant.

The report to Sheffield City Council's Environmental Protection Service shall include:

- The date and time of the incident;
- The cause and nature of the incident;
- Details of any abnormal emissions;
- Details of remedial action taken.

- 4.19 In cases of non-compliance causing immediate danger to human health, operation of the activity must be suspended. All of the following criteria shall be taken into account:
- The toxicity of the substance being released;
 - The amount released;
 - The location of the installation;
 - The sensitivity of the receptors.

Section 5 – Materials handling and Storage.

- 5.1 All spillages of solvents and particulates shall be cleared as soon as possible in accordance with a written Spill Procedure.

- 5.2 An adequate number of Spill Kits shall be provided and located in suitable areas in order to adequately tackle spillages.
- 5.3 Spill Kits shall be checked frequently and the stocks maintained in order to ensure they are capable of adequately tackling a spillage.
- 5.4 Clearance of dusty materials shall be achieved by the use of vacuum cleaning, wet methods, or other appropriate techniques. Dry sweeping is not permitted.
- 5.5 Dusty materials shall be stored in closed containers and handled in a manner that prevents emissions of particulates.
- 5.6 All organic solvents shall be stored in sealed containers prior to use.
- 5.7 Emissions from the emptying of storage and mixing vessels and the transfer of coating to the application area shall be contained by the use of covered or closed delivery systems.
- 5.8 All potentially odorous materials, for example, waste cleaning solvents, shall be stored in suitable enclosed containers in order to minimise emissions.
- 5.9 All reasonable efforts shall be made to minimise the amount of residual organic solvent bearing material left in drums and other containers after use.
- 5.10 Waste contaminated with solvents such as wiping cloths, gloves, overalls or material used to clear spillages shall be disposed of in a suitably labelled metal bin fitted with a self-closing lid.
- 5.11 Prior to disposal, empty drums and containers contaminated with organic solvent should be lidded to minimise emissions from residues during storage prior to disposal.
- 5.12 Drums or vessels containing solvent waste shall be labelled so that all persons handling the waste are aware of their contents.
- 5.13 All vessels or containers of organic solvents shall be stored in a bunded zone which shall extend to completely surround the container, be impervious and resistant to the liquids in storage and be capable of holding 110% of the capacity of the largest container.
- 5.14 Empty drums or drums containing solvent contaminated waste shall be stored in a secure and well ventilated area.
- 5.15 All steps shall be taken by the spraying operatives to ensure that overspray is prevented or minimised.
- 5.16 The use of thinners shall be controlled, monitored and minimised where possible.

Section 6 – Management, Training and Maintenance.

- 6.1 Effective, preventative maintenance shall be employed on all plant and equipment concerned with the control of emissions to air.
- 6.2 Plant and equipment shall be operated and maintained in accordance with the manufacturer's recommendations.
- 6.3 Any malfunction or breakdown, such as arrestment plant failure, leading to abnormal emissions shall be dealt with promptly and process operations shall be adjusted until normal operations can be restored. All such malfunctions shall be recorded in the log book kept in accordance with condition 4.7 of this Permit.
- 6.4 An audit of items of pollution abatement plant and equipment shall be undertaken. The audit shall identify all plant and equipment that is critical to prevent, reduce or control emissions from the installation, including but not limited to filters, alarms, detection systems, sprayguns, bunds and Spill Kits. A copy of the audit shall be submitted to Sheffield City Council's Environmental Protection Service for written approval within 8 weeks of the date of this Permit.
- 6.5 A preventative maintenance schedule shall be produced for all plant and equipment identified from the audit required by condition 6.4. A copy of the maintenance schedule shall be submitted to Sheffield City Council's Environmental Protection Service for written approval within 8 weeks of the date of this Permit.
- 6.6 Records of breakdowns and plant failure shall be kept and analysed in order to eliminate common failures. The records shall be made available for inspection by officers of Sheffield City Council's Environmental Protection Service on demand.
- 6.7 The Operator shall ensure that all abatement plant, such as shotblast arrestment plant is serviced at least once in every 12 month period by a competent person. Details of the maintenance shall be kept on site and made available for inspection by authorised officers of Sheffield City Council's Environmental Protection Service.
- 6.8 Essential spares and consumables such as filters shall be held on site or available at short notice from guaranteed suppliers, in order to rectify a breakdown rapidly.

- 6.9 The Operator shall ensure that a visual inspection of the condition of the extraction systems, filters, associated housing and ductwork is carried out at least once a week for the spraybooth and shotblast booth. Any faults, accumulations, deposits, damaged or clogged filters or any other defect shall be rectified without delay. The result of these inspections and any remedial action taken shall be recorded in the log book kept in accordance with this Permit.
- 6.10 Records of maintenance checks and work shall be kept for at least 2 years. The programme and records shall be made available to Sheffield City Council's Environmental Protection Service upon request.
- 6.11 Staff at all levels shall receive the necessary training in their duties relating to control of the process and emissions to air. The training shall include:-
- i. awareness of responsibilities under this Permit with particular emphasis on conditions likely to give rise to VOC emissions such as spillages;
 - ii. minimising emissions at start-up and shut-down;
 - iii. actions to minimise emissions during abnormal operations.
- 6.12 The Operator shall retain a statement of training requirements for each operational post. A training record shall be kept for each person whose actions may have an impact on the environment. These documents shall be made available to Sheffield City Council's Environmental Protection Service upon request.
- 6.13 Chimney flues and ductwork shall be inspected at least once every 6 months and cleaned as necessary in order to prevent accumulation of material both on the internal ducting and on external ledges. Details of the inspection and any cleaning necessary as a result of the inspection shall be recorded in the log book kept in accordance with Condition 4.7 of this Permit.
- 6.14 The Operator shall review cleaning operations involving organic solvents at least once in every 2 years to identify opportunities for reducing VOC emissions. The conclusions of the review shall be forwarded to Sheffield City Council's Environmental Protection Service. The first submission shall be made by 14th January 2015.
- 6.15 Where manual cleaning using organic solvents is unavoidable:
- a) Cleaning solvents shall be kept in enclosed containers while not in use;
 - b) Wiping cloths or brushes shall be pre-impregnated using a dispenser or similar device;
 - c) Used cloths or brushes shall be stored in sealed containers pending recovery or disposal; and
 - d) Where possible it shall be done within a spray booth served by an extraction system.

Section 7 – Substitution Plan.

- 7.1 Designated “Risk Phrase” or “hazard statement” materials¹, used in the installation must be replaced, or controlled and limited, as set out in PG 6/23(11) for Coating of Metal and Plastic Processes .
- 7.2 The Operator shall maintain a register of designated “Risk Phrase” or “hazard statement” materials¹ used in the installation. The register shall be made available for inspection by Sheffield City Council’s Environmental Protection Service upon request.
- 7.3 The Operator shall submit a substitution plan to Sheffield City Council’s Environmental Protection Service by 1st December 2014. The plan shall describe how the operator is replacing designated substances assigned with Risk Phrase R45, R46, R49, R60 or R61. If replacement of the Risk Phrase substance is not practical, the plan shall include details of the reasons for this, and details of how the operator is controlling and limiting the use of these substances. The substitution plan shall also contain details of how the use of R40 designated substances is being limited and controlled. The plan shall be updated as necessary and updates shall be forwarded to Sheffield City Council’s Environmental Protection Service.
- 7.4 The Operator shall inform Sheffield City Council’s Environmental Protection Service in writing of any proposed changes to the Risk Phrase register at least 7 days prior to the changes taking place.

Section 8 – Solvent Management Plan.

- 8.1 By 1st December 2014 the Operator shall produce and submit a Solvent Management Plan to Sheffield City Council’s Environmental Protection Service. The Solvent Management Plan shall be produced in accordance with PG 6/23 (11) for Coating of Metal and Plastic Processes and include details of the fugitive emissions.
- 8.2 The Solvent Management Plan shall be reviewed at least annually. Review records and updates to the Solvent Management Plan shall be forwarded to Sheffield City Council’s Environmental Protection Service annually by 14th January. The first submission is required by 14th January 2015.

¹ Materials designated, because of their VOC content: Until 1 Jun 2015: risk phrase R45, R46, R49, R60 or R61. From 1 Dec 2010: hazard statement H340, H350, H350i, H360D or H360F. Materials designated because of their halogenated VOC content: Until 1 Jun 2015: risk phrase R40, or from 1 Dec 2010 until 1 Jun 2015, risk phrase R68. From 1 Dec 2010: hazard statements H341 or H351. As from 1st Dec 2010 “risk phrase” materials will also be known as “hazard statement” materials. Either term will apply until 1 Jun 2015, when only the term “hazard statement” materials will apply.

- 8.3 The Operator shall submit details to Sheffield City Council's Environmental Protection Service for written approval any proposal to carry out any of the following activities:
- Replacement of low or no VOC solvent coating systems with conventional high VOC content coating systems;
 - Introduction of conventional high VOC content coating systems into the process;
 - Introduction of conventional high VOC content coating systems onto products where it was not previously used;
 - Introduction of high solids formulations which have no beneficial effect on the product but increase the solids used, except where a reduction in the overall VOC emissions can be demonstrated.

Section 9 – General Conditions.

- 9.1 The Operator shall notify the following to Sheffield City Council's Environmental Protection Service, in writing, within 14 days of their occurrence:-
- Any change in the trading name Brightstar Shotblasting & Coatings Limited registered name or registered office address;
 - A change to any particulars of any ultimate holding company of Brightstar Shotblasting & Coatings limited (including details of an ultimate holding company where Brightstar Shotblasting & Coatings Limited has become a subsidiary);
 - Any steps taken with a view to Brightstar Shotblasting & Coatings Limited going into administration, entering into a company voluntary arrangement or being wound up.
- 9.2 The Operator shall give written notification to Sheffield City Council in the following instances;
- a) Permanent cessation of the operation of any part of, or all of the Permitted Installation;
 - b) Cessation of the operation of any part of, or all of the Permitted Installation for a period, likely to exceed 1 year;
 - c) Resumption of the operation of any part of, or all of the Permitted installation after a cessation notified under (b) above.

- 9.3 All reports and notifications required by this Permit, or under any Regulation under the Environmental Permitting Regulations 2010, as amended, shall be sent to Sheffield City Council's Environmental Protection Service. Unless notified in writing, all reports, notifications and communications in respect of this Permit shall be sent to:

**Sheffield City Council
Environmental Protection Service
2-10 Carbrook Hall Road
Sheffield
S9 2DB**

- 9.4 A record shall be made at the Permitted Installation of any complaints concerning the installation's effect or alleged effect on the environment. The record shall give the date of complaint, time of complaint, a summary of any investigation and the results of such investigation. Such records shall be made in a log kept for this purpose.
- 9.5 Records kept in accordance with this Permit shall be legible, be made as soon as reasonably practicable and indicate any amendments which have been made and shall include the original record wherever possible.
- 9.6 Chimneys, stacks or process vents shall not be fitted with any restriction at the final opening, for example, a plate, cap or cowl. A cone fitted at the chimney exit to increase efflux velocity shall be permitted.

Please Note.

Where complaint is attributable to the operation of the installation and is, in the opinion of the Local Authority, justified, or if new knowledge develops on the potential for harmful effects from emissions, an immediate review of the Permit shall be undertaken. The Local Authority shall subsequently specify any new requirements and compliance time scales.

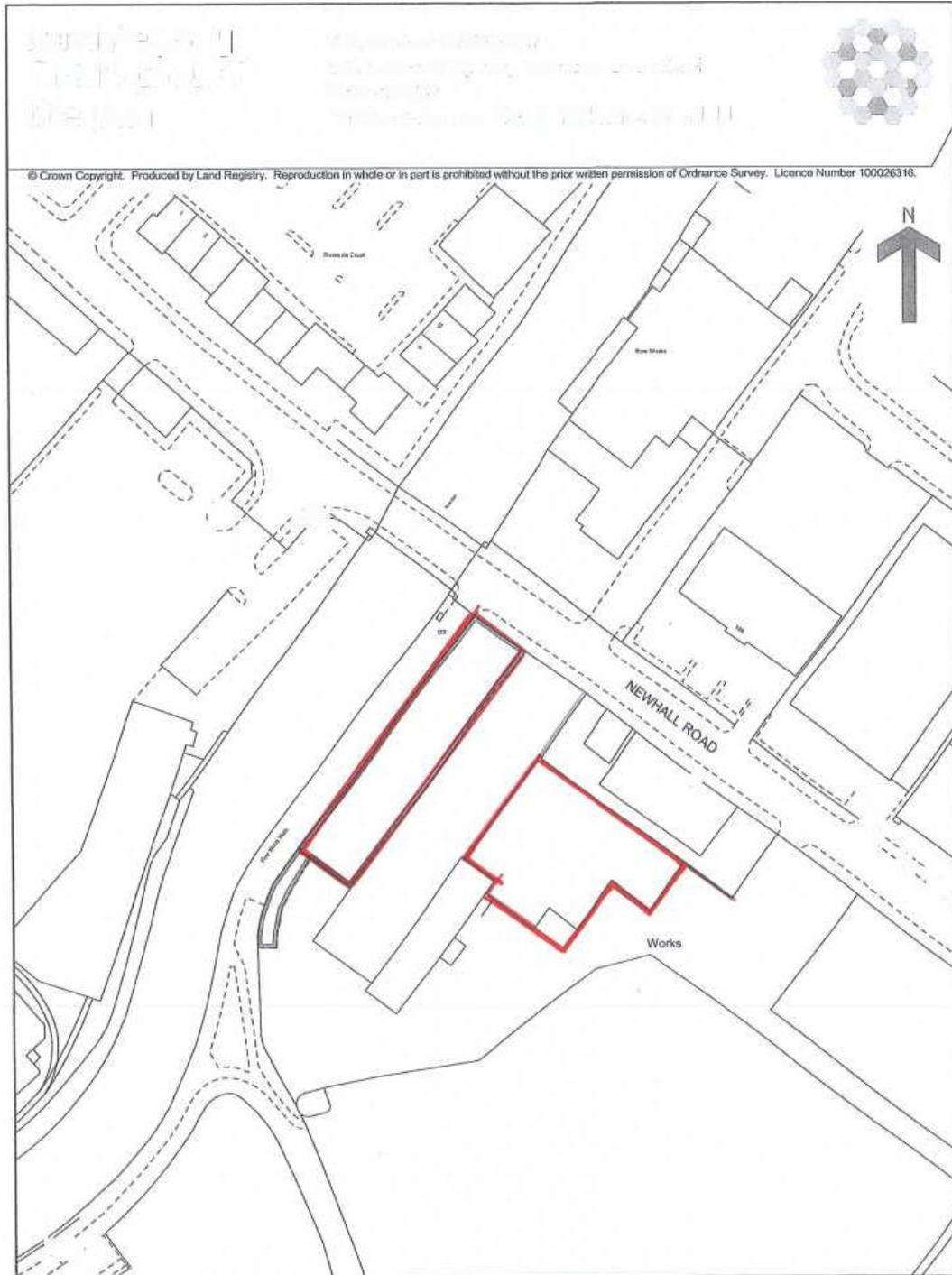
An annual subsistence fee as prescribed by the Secretary of State for the Environment shall be payable, for this Permit, by the process Operator, to this Authority within 2 weeks of the 1st April of each year.

In the event that the Permit has been issued after the 1st April in the initial year then the subsistence fee shall be pro rata for the complete months remaining and shall be due within 2 weeks of the Permit issue date.

If the relevant payment is not received by Sheffield City Council's Environmental Protection Service then Permit revocation procedures shall be initiated in accordance with Section 22 of the Environmental Permitting (England & Wales) Regulations 2010 or any statutory re-enactment of the same.

The requirements of this Permit are not to be taken as planning permission. Where any structural alterations are necessary to ensure compliance with this Permit then the normal planning channels should be followed.

Schedule 1. Installation Location & Boundary.

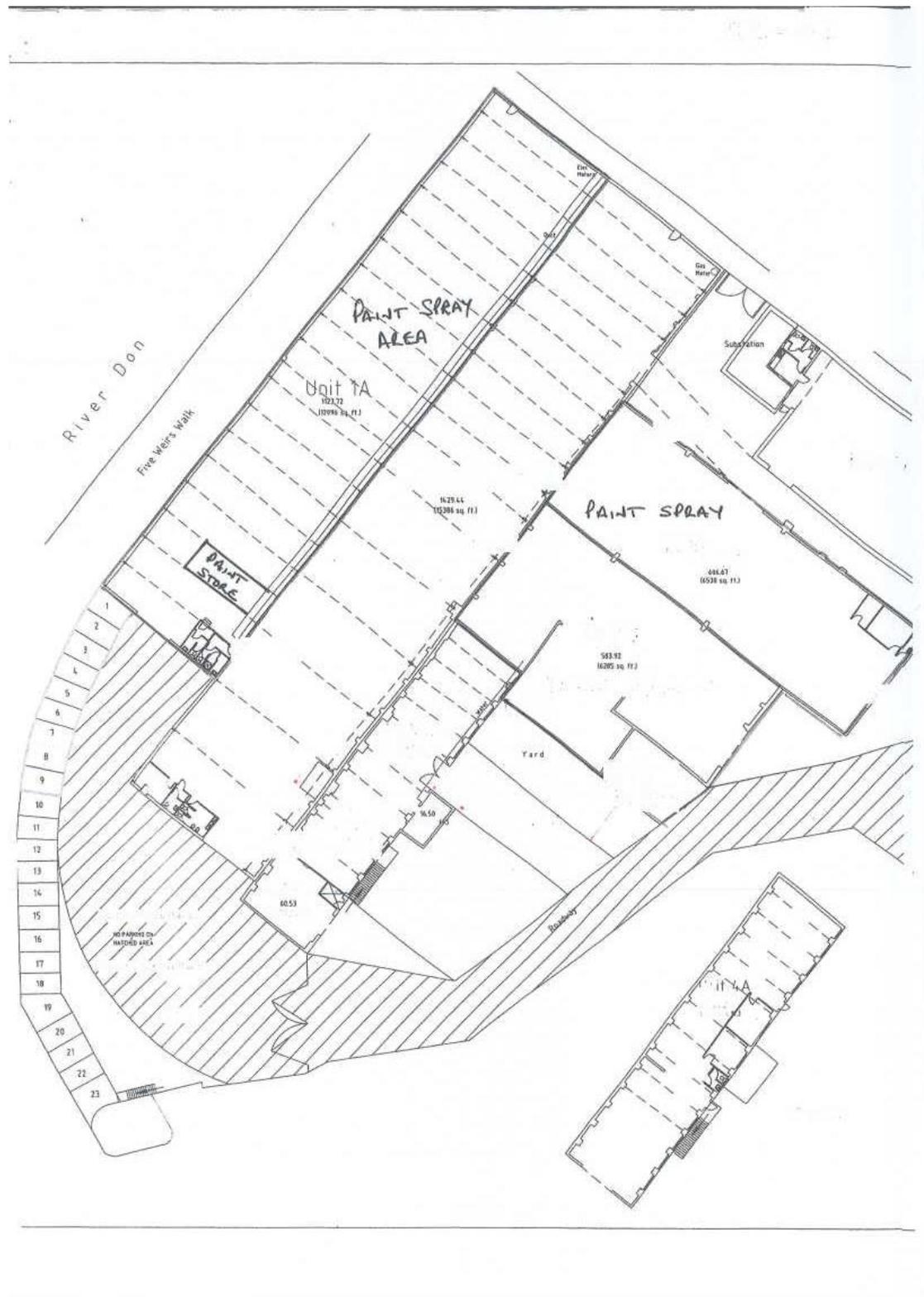


This official copy issued on 20 October 2010 shows the state of this title plan on 20 October 2010 at 08:45:52. It is

+

+

Schedule 2. Installation Layout.



Appendix 1.
Coatings and Suppliers as at January 2014.

Coatings:

De-aromatised white spirit
Xylene
1-methoxy-2-propanol
Solvent naphtha
Polyaminoamide
Toluene
Propan-2-ol
Benzyl alcohol
2,4,6,-tris (dimethylaminomethyl) phenol
Epoxy resins
Trizinc bis(orthophosphate)

Suppliers:

Ozchem
Sherwin Williams
Newguard Coatings
Finishline
Firwood Coatings
Cromadex