



CHARNWOOD BOROUGH COUNCIL

POLLUTION PREVENTION AND CONTROL ACT 1999

**ENVIRONMENTAL PERMITTING (ENGLAND AND WALES)
REGULATIONS 2010 (As Amended)**

PERMIT REF. NO. 041

Charnwood Borough Council hereby permits, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010 (as amended)

Volvo Group UK Ltd

whose registered office is:

Wedgnoek Lane, Warwick, CV34 5YA

To operate a vehicle refinishing activity at:

Volvo Truck And Bus East Anglia,

Byron Street Extension, Loughborough Leicestershire LE11 5HE
(National Grid Ref: SK 524204 and shown in Appendix 1)

subject to the conditions outlined in this document. The conditions contained herein shall apply from the date of the Permit unless otherwise stated.

Name	Date
Beverley Green	25/02/16

Authorised on behalf of Charnwood Borough Council

Permit issued by:
Regulatory Services, Environmental Protection Southfields, Southfields Road, Loughborough,
Leicestershire LE11 2TX

Introductory note

This introductory 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, (SI 2010/675) as amended, (“the EP Regulations”) to operate an installation carrying out one or more of the activities listed in Part 2 of Schedule 1 of the EP Regulations, to the extent authorised by the Permit:

Section 6.4, Part B

"Any activity of repainting or re-spraying road vehicles or parts of them if the activity may result in the release into the air of particulate matter or of any volatile organic compound and the carrying on of the activity is likely to involve the use of 1 or more tonnes of organic solvents in any period of 12 months”.

Status Log

The status log of the permit sets out the permitting history, including any variations issued.

Detail	Date	Comment
Permit determined	22 February 1994	
Variation notice	23 March 1995	Varied permit issued
Variation notice	4 January 2001	Varied permit issued
Variation notice	27 February 2004	Varied permit issued
Variation notice	27 January 2006	Varied permit issued
Variation notice	11 December 2006	Varied permit issued
Variation notice	17 December 2008	Varied permit issued
Variation notice	31 January 2011	Varied permit issued
Variation notice	27 February 2014	Varied permit issued
Variation notice	25 February 2016	To include new EasySmart spray booth

Origins of the conditions contained in the permit

The Secretary of State has issued various guidance notes to local authorities to assist with determining those conditions which represent ‘best available technique’ in the different circumstances which apply to each installation. The conditions within this permit have been derived from the following guidance note;

PG 6/34 (11) Respraying of Road Vehicles

Description of Process

Full vehicles are sprayed in one of five spray booths, four of these having low interior roof profiles, the fifth being designed to cope with double deck vehicles.

Smaller components are sprayed in a Dalby ‘EasySmart’ Spraybooth located within the bodyshop. This booth is smaller than a standard refinishing booth with air

extracted from the rear of the booth through a two stage dry filtration system. This booth can also be used for abrasive blasting activities.

Substrates must be cleaned before painting. Any surface unevenness is remedied before painting. Major depressions are filled with a stopper. The stopper is ground to the desired profile after curing. Mechanical sanders are fitted with a suction device to remove the sanding dust from the workspace.

Preparation and final coating materials are stored in one of two purpose-built paint stores. Paint plus thinners, accelerators and other materials are mixed in the mixing area prior to application.

Paint is applied with hand-held spray guns in one of the 5 spray booths. Each booth receives filtered heated air through ceiling vents; this air is then drawn out of the booths through disposable paper filters, located down each side of the booth. The fans that draw the air out of the booths are located in the roof spaces; there are 16 fans in total serving the spray booths.

The tools used in the application of coatings, such as spray guns, mixing vessels, measuring beakers etc are cleaned after use. The cleaning agents vary according to the type of paint employed. Products containing organic solvents, for instance, are cleaned with organic solvents, water-borne materials are cleaned with water or water-alcohol mixtures and cavity waxes with special spirits.

The permitted activity includes all ancillary operations such as:

- Receipt, handling and storage of raw materials and treatments, handling and storage of wastes relating to the process.
- Preparation of vehicles for spraying, including degreasing activities, dust generating processes such as grinding, sanding and welding:
- Paint mixing and gun cleaning processes.

Principle Emissions

The key emissions from the process consist of VOC and particulate matter from spraying and coating activities.

End of Introductory Note

The above named company is permitted to operate a vehicle refinishing installation subject to compliance with the following conditions:

Permit Conditions

Non-VOC emissions

- The following non-VOC emission limit shall apply:

Table 1 – non-VOC emission limits

Row	Substance	Source	Emission limits	Type of Monitoring	Monitoring frequency
1	Particulate matter	From 5 external spray booths	10 mg /Nm ³	Extractive monitoring	Already completed. None required
		Dalby 'EasySmart' Spraybooth	10 mg /Nm ³	By guarantee supplied by the spray booth constructor	None required
		Abrasive blasting equipment	50 mg /Nm ³ as 15-minute mean	By guarantee supplied or Manual extractive testing in accordance with BS6069:Section 4.3 1992	Annual

All emissions shall be determined at the standard reference conditions of 273.15K and 101.3kPa, without correction for water vapour content.

- The introduction of dilution air to achieve emission concentration limits shall not be permitted.
- The operator shall implement a maintenance schedule a copy of which shall be made available to a duly authorised officer of Charnwood Borough Council upon request. The spray booths, including the Dalby EasySmart Booth shall be serviced and maintained in accordance with manufacturers' recommendations so as to maintain the validity of the guarantee of emission concentration limit.
- Dusty wastes shall be stored in closed containers.
- The operator shall keep records of inspections, tests and monitoring in relation to the provisions specified in Table 1 above. In such cases:
 - current records shall be kept on site and made available to a duly authorised officer of Charnwood Borough Council to examine,
 - records shall be kept by the operator for at least two years.

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6. The operator shall notify Charnwood Borough Council at least 7 days before any periodic monitoring exercise to determine compliance with the abrasive blasting particulate emission limit values. The operator shall state the provisional time and date of monitoring, pollutants to be tested and the methods to be used.
 7. Within 8 weeks of the completion of monitoring activities, the results of non-continuous emission testing shall be forwarded to the regulator.
 8. In the event of any adverse results from any monitoring activity in relation to the provisions of the above table, the operator shall investigate as soon as the results are obtained/received. The operator shall:
 - identify the cause and take corrective action;
 - record as much detail as possible regarding the cause and extent of the problem;
 - record the action taken by the operator to rectify the situation;
 - re-test to demonstrate compliance as soon as possible; and
 - notify the regulator.
 9. In the case of abnormal emissions, or malfunction or breakdown leading to abnormal emissions the operator shall:
 - investigate immediately and undertake corrective action,
 - adjust the process or activity to minimise those emissions, **and**
 - promptly record the events and actions taken,
 - notify Charnwood Borough Council without delay, if the emission is likely to have an effect on the local community.

VOC emissions

10. Surface preparation and painting operations shall be carried out using only coating materials, which are placed on the market for use in vehicle refinishing bodyshops (as identified by a label on the container containing the following information -a description of the product by identification of the contents as a subcategory of Directive 2004/42/CE, the relevant VOC limit values in g/l as referred to in Annex II of Directive 2004/42/CE and the maximum content of VOC in g/l of the product in a ready to use condition"). This shall include products used in the Dalby EasySmart Booth.

For information, the individual bodyshop products that are covered by this permit are listed in Appendix 3 of Process Guidance Note 6/34 (11), extract provided in Appendix 3 of this permit.

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11. The products used in coating shall be prepared and applied in accordance with the suppliers' instructions. Under no circumstances shall the product be thinned with more than the supplier's stated quantity or percentage of thinner.

For information, the maximum, application-ready VOC contents for individual categories of products are listed in Table 4.2 of Process Guidance Note 6/34 (11), extract provided in Appendix 4 of this permit.

12. All paint spraying operations shall be carried out in a totally enclosed booth under negative pressure, to prevent fugitive emissions of VOCs.
13. Spraying in the Dalby EasySmart booth shall be undertaken with the door closed and the filtration unit operating within the manufacturers' guidelines. This range shall be visible to the operator through the use of a dial on the outside of the booth.
14. Spray applied coatings shall be applied to commercial vehicles using one of the following method:
 - high volume low pressure (HVLP) spraying;
 - airless spraying equipment;
 - air-assisted airless spraying equipment;
15. All spray guns and equipment cleaning shall be carried out in an automatic, totally-enclosed equipment cleaning machine. The cleaning machine shall be provided with the minimum of exhaust ventilation that is necessary to prevent the fugitive emission of solvent vapour when the machine is opened for introduction or removal of equipment, or for the changing of cleaning solvent.
16. All spray gun testing and sprayout following cleaning shall be carried out in the gun cleaning machine with the extraction running in accordance with a written procedure a copy of which shall be made available to a duly authorised officer of Charnwood Borough Council upon request. The operator shall inform the Council in writing of any significant changes to the written procedure.
17. Cleaning solvents shall be dispensed by a piston type dispenser or similar contained device, when used on wipes.
18. Solvent contaminated wipes and other wastes shall be handled in accordance with a written procedure a copy of which shall be made available to a duly authorised officer of Charnwood Borough Council upon request. The operator shall inform the Council in writing of any significant changes to the written procedure.
19. Organic solvent containment and spillage equipment shall be readily available in all organic solvent handling areas.

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20. All solvent containing coatings, thinners and related materials and equipment cleaning materials shall be stored:
- in the containers in which they were supplied, with the lid securely fastened at all times other than when in use;
 - within spillage collectors, of suitable impervious and corrosion-proof materials and capable of containing 110% of the largest container;
 - away from sources of heat.
21. All solvent containing wastes shall be stored:
- in suitable sealed containers with a securely fastened lid, and labelled so that all that handle them are aware of their contents;
 - within spillage collectors, of suitable impervious and corrosion-proof materials and capable of containing 110% of the largest container;
 - away from sources of heat.
22. Spares and consumables, particularly those subject to continual wear shall be held on site, or shall be available at short notice from guaranteed suppliers, so that spraybooth breakdowns can be rectified rapidly.
23. Waste solvents and waste coatings shall be recycled off-site. Copies of receipts of waste materials sold for recycling shall be kept for three years.

Visible and odorous emissions

24. All releases to air, other than condensed water vapour, shall be free from persistent visible emissions.
25. All emissions to air shall be free from droplets.
26. There shall be no offensive odour beyond the site boundary as perceived by a duly authorised officer of Charnwood Borough Council.
27. Emissions from combustion processes shall in normal operation be free from visible smoke and in any case shall not exceed the equivalent of Ringelmann Shade 1, as described in British Standard BS 2742:1969.

General Conditions

28. All emissions of particulates, isocyanates and VOCs from the external spray booths shall be emitted from 8 stacks. The stacks shall be 8.5 m above ground level and extend 1m above roof height.

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29. All emissions of particulates and VOCs from the EasySmart spray booth shall be emitted from 1 stack. The stack shall be 10.4m above ground level and extend 3m above the adjacent roof verge.
 30. Staff at all levels that operate or are likely to operate the spray booths, gun cleaner or carry out paint mixing shall receive the necessary training and instruction in their duties relating to control of the process and emissions to air. This shall include procedures for start-up, shut down and abnormal conditions, awareness of responsibilities under the Permit; in particular, how to deal with conditions likely to give rise to VOC emissions, such as in the event of a spillage.
 31. A record of staff training and instruction, comprising the name of the trainee and the subject-matter of the training, shall be maintained by the operator and shall be available to a duly authorised officer of Charnwood Borough Council on request.
 32. A written record of all maintenance carried out in accordance with Condition 3 shall be made available for inspection by a duly authorised officer of Charnwood Borough Council on request

End of Conditions

Appendix 1

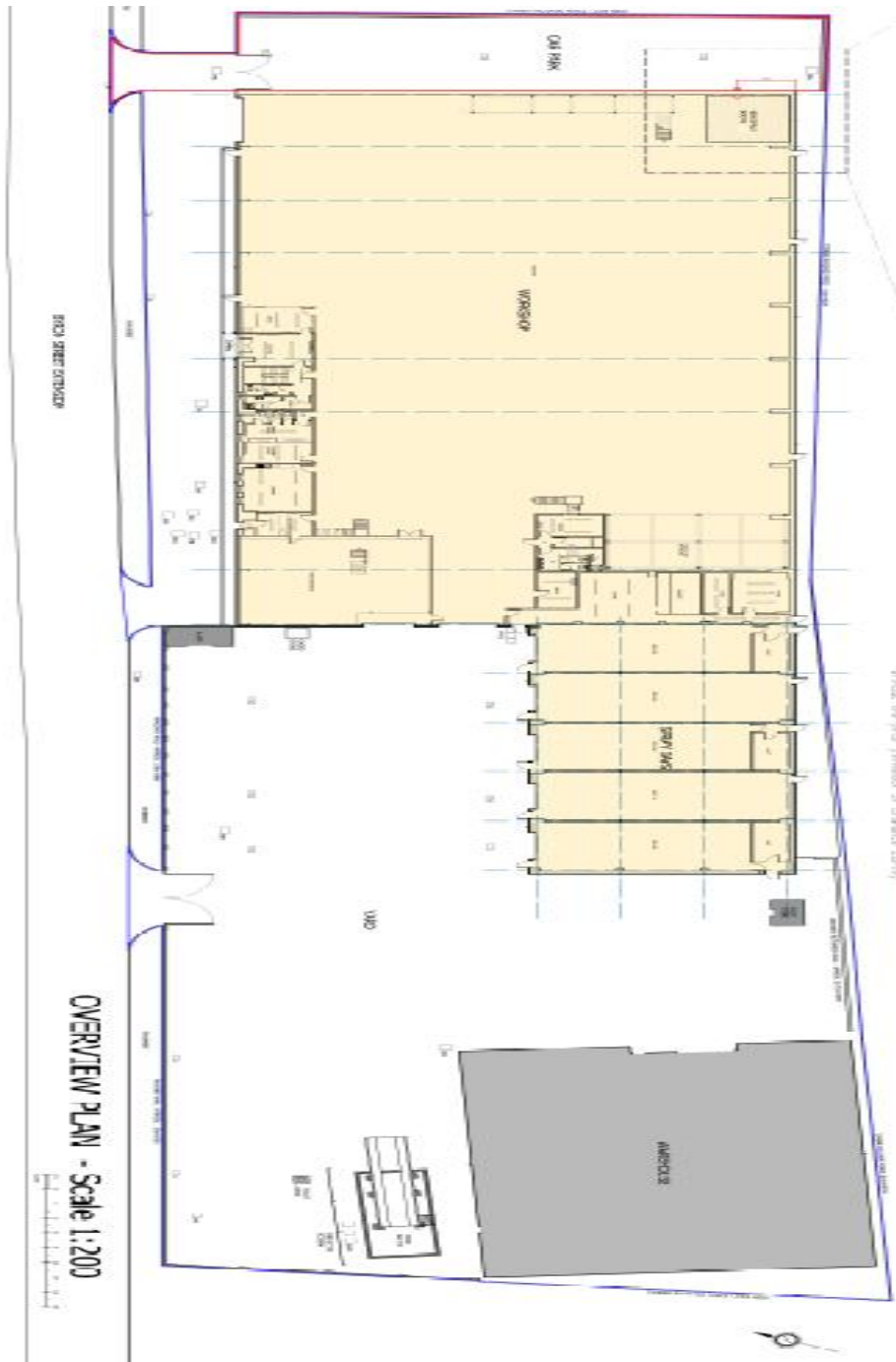
Site Location

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Appendix 2

Layout



Appendix 3**Extract from Appendix 3 PG 6/34 (11) :Individual bodyshop products covered by this permit**

- a) 'preparatory and cleaning' means products designed to remove old coatings and rust, either mechanically or chemically, or to provide a key for new coatings:
- (i) preparatory products include gunwash (a product designed for cleaning spray-guns and other equipment), paint strippers, degreasers (including anti-static types for plastic) and silicone removers;
 - (ii) 'precleaner' means a cleaning product designed for the removal of surface contamination during preparation for and prior to the application of coating materials;
- b) 'Bodyfiller/stopper' means heavy-bodied compounds designed to be applied to fill deep surface imperfections prior to the application of the surfacer/filler;
- c) 'primer' means any coating that is designed for application to bare metal or existing finishes to provide corrosion protection prior to application of a primer surfacer:
- (i) surfacer/filler' means a coating designed for application immediately prior to the application of topcoat for the purpose of corrosion resistance, to ensure adhesion of the topcoat, and to promote the formation of a uniform surface finish by filling in minor surface imperfections;
 - (ii) 'general metal primer' means a coating designed for application as primers, such as adhesion promoters, sealers, surfacers, undercoats, plastic primers, wet-on-wet, non-sand fillers and spray fillers;
 - (iii) 'wash primer' means coatings containing at least 0,5 % by weight of phosphoric acid designed to be applied directly to bare metal surfaces to provide corrosion resistance and adhesion; coatings used as weldable primers; and mordant solutions for galvanised and zinc surfaces;
- d) 'topcoat' means any pigmented coating that is designed to be applied either as a single-layer or as a multiple-layer base to provide gloss and durability. It includes all products involved such as base coatings and clear coatings:
- e) 'base coatings' means pigmented coatings designed to provide colour and any desired optical effects, but not the gloss or surface resistance of the coating system;
- f) 'clear coating' means a transparent coating designed to provide the final gloss and resistance properties of the coating system;
- g) 'special finishes' means coatings designed for application as topcoats requiring special properties, such as metallic or pearl effect, in a single layer, high-performance solid-colour and clear coats, (e.g. anti-scratch and fluorinated clear- coat), reflective base coat, texture finishes (e.g. hammer), anti-slip, under-body sealers, anti-chip coatings, interior finishes; and aerosols.

Appendix 4**Extract of Table 4.2 PG 6/34 (11) : Product categories and maximum application ready VOC contents**

	Product Subcategory	coatings	VOC g/l(*)
a	Preparatory and cleaning	Preparatory	850
		Pre-cleaner	200
b	Bodyfiller/stopper	All types	250
c	Primer	Surface/filler and general (metal) primer	540
		Wash primer	780
d	Topcoat	All types	420
e	Special finishes	All types	840
(*) g/l of ready for use product. Except for subcategory (a) any water content of the product ready for use should be discounted			

Explanatory Notes

These notes do not comprise part of the permit but contain guidance relevant to it.

Inspections

Regular inspections will be made by officers of Charnwood Borough Council (without prior notice), in order to check and ensure full compliance with this permit.

BAT (Best Available Techniques)

The Permit includes conditions that have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by conditions of the Permit are subject to the implied condition that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Change in Operation of the Installation

If you, the operator proposes to make a change in operation of the installation you must at least 14 days before making the change, notify Charnwood Borough Council in writing. The notification must contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. A 'change in operation' means a change in the nature or functioning, or an extension, of the installation, which may have consequences for the environment.

Health and Safety at Work and Other Statutory Requirements

The responsibility you have under legislation for Health, Safety and Welfare in the workplace remains in force. In addition, the Permit does not relieve you of your obligations to obtain planning permission, hazardous substances consent, discharge consent from the Environment Agency, Building Regulations approval, or some Waste Disposal Licences.

Submission of Information

Note that the Permit requires the submission of certain information to the Local Authority (LA). In addition, the LA has the power to seek further information at any time under the EP Regulations provided that it acts reasonably.

Public Registers

Considerable information relating to Permits including the Application is available on public registers in accordance with the EP Regulations. Certain information may be withheld from public registers where it is commercially confidential or contrary to national security. The onus is on the Operator to provide a clear justification for each item to be kept from the register. Applications for information to be excluded from the Public Register on grounds of National Security should be made to the Secretary of State.

Variations to the Permit

This Permit may be varied in the future (by the LA serving a Variation Notice on the Operator). If the Operator itself wants any of the Conditions of the Permit to be changed, it must submit a formal Application. The Status Log within the Introduction will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Where the Operator intends to cease the operation of an installation (in whole or in part) The LA should be informed in writing, such notification must include the information specified in the EP Regulations.

Transfer of the Permit or part of the Permit

Before the Permit can be wholly or partially transferred to another person, an Application to transfer the Permit has to be made jointly by the existing and proposed holders. A transfer will be allowed unless the LA considers that the proposed holder will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit.

Annual Subsistence Fee

Under 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 the EP Regulations, if you fail to pay the fee due promptly, Charnwood Borough Council may revoke the permit. You will be contacted separately each year in respect to this payment.

Talking to us

Please quote the Permit Number if you contact Charnwood Borough Council about this Permit. To contact Charnwood Borough Council please use the telephone number 01509 634636 or any other number notified in writing to the Operator by Charnwood Borough Council for that purpose.

Right To Appeal

Anyone who is aggrieved by the conditions attached to a Permit can appeal to the Secretary of State. Appeals must be sent within 6 months from the date of the permit (normally the date on the bottom of the permit).

Appeals should be addressed as follows:-

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

An appeal will not suspend the effect of the conditions appealed against; the conditions must still be complied with.

There are no forms or charges for appealing. However for an appeal to be valid, appellants are legally required to provide information detailed below:

- i. A statement of the grounds of appeal
- ii. A copy of any relevant permit
- iii. A copy of any relevant correspondence between the appellant and the regulator
- iv. A statement indicating whether the appellant wishes the appeal to be in the form of a hearing or dealt with by way of written representations.

At the same time, the notice of appeal and documents (i) and (iv) must be sent to the Council.

In determining an appeal against one or more conditions, the Regulations allow the Inspector or Secretary of State to affirm or quash conditions or to add new conditions

You will be liable for prosecution if you fail to comply with the conditions of this permit. If found guilty, the maximum penalty for each offence if prosecuted in a magistrates Court is £50,000 and/or 6 months imprisonment. In a Crown Court it is an unlimited fine and/or a 5 years imprisonment.

Our enforcement of your permit will be in accordance with the Regulator's Compliance Code.

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