



**POLLUTION PREVENTION AND CONTROL ACT 1999
ENVIRONMENTAL PERMITTING (ENGLAND AND WALES) REGULATIONS 2010
PERMIT OF PROCESS**

THIS IS TO CERTIFY THAT the respraying of road vehicles

at: **VOLVO BUS AND COACH CENTRE
BYRON STREET EXTENSION, LOUGHBOROUGH LE11 5HE**

(National Grid Ref: SK 524204 and shown in Appendix I which forms part of the permit)

has been duly permitted in accordance with Regulation 13(1) of the Environmental Permitting (England and Wales) Regulations 2010 subject to the conditions outlined in this document.

**Name of Operator: VOLVO GROUP UK LTD
Registered Office WEDGNOCK LANE, WARWICK, CV34 5YA**

This Permit shall apply only to the premises occupied by the applicant, as specified and described in the Application for Permit submitted to Charnwood Borough Council. This Permit, consisting of thirteen pages, shall be subject to replacement, variation or amendment, as may be considered appropriate by Charnwood Borough Council at any time, according to provisions of Regulations, 18, 20, and 34 of the Environmental Permitting (England and Wales) Regulations 2010.

The conditions contained herein shall apply from the date of the Permit unless otherwise stated.

Signed on behalf of Charnwood borough Council

.....
Beverley Green, Specialist Environmental Health Officer
(the delegated officer for the purpose)

Dated 31 January 2011

Counter-signed.....

Directorate of Strategic Housing and Health, Environmental Protection, Southfields, Southfield Road
Loughborough 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 tonne of organic solvents in any period of 12 months”.

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 Regulation 60(1) 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 Requirement 46(1) EP Regulations. Certain information may be withheld from public registers where it is commercially confidential or contrary to national security.

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

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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 Regulation 24 or Regulation 25 and Part 1 of Schedule 5 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, 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.

Talking to us

Please quote the Permit Number if you contact Charnwood Borough Council about this Permit. To give a Notification under Condition 13 the Operator should use the telephone number 01509 634636 or any other number notified in writing to the Operator by Charnwood Borough Council for that purpose.

Status Log

<u>Detail</u>	<u>Date</u>	<u>Comment</u>
Permit determined	22 February 1994	
Variation notice	23 March 1995	consolidated permit issued
Variation notice	4 January 2001	consolidated permit issued
Variation notice	27 February 2004	consolidated permit issued
Variation notice	27 January 2006	consolidated permit issued
Variation notice	11 December 2006	consolidated permit issued
Variation notice	17 December 2008	consolidated permit issued
Variation notice	31 January 2011	consolidated permit issued

End of Introductory Note

Description of Process

Plant Details

Preparation and final coating materials are stored in one of two purpose-built paint stores as shown on Appendix 2. As and when required, paint plus thinners, accelerators and other materials are removed to the mixing area shown on Appendix 2. The 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.

The paint is applied with HVLP sprayguns operating at a maximum atomisation pressure of 67.5kPa (10psi). 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.

Plant Operation

Paint materials are supplied to the site by one of two main suppliers in 1, 2.5 and 5 litre sizes and are placed in the appropriate paint store dependent upon flash point. The materials are removed from the stores when required and taken to the mixing room. There they are mixed with other materials to form the appropriate coatings to be used. The Operator then takes the prepared mixture to one of the spray booths where they are applied to the vehicle using an HVLP spray gun. The booths are fed with heated filtered air via a gas fired warm air heater through the roof of the booth and air is then extracted through paper filters located along the sides 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 (Appendix 3).

Spraying in the open workshop shall not occur. All paint spraying operations are carried out in totally enclosed booths under negative pressure so as to prevent fugitive emissions of odour and particulate matter. There is a written plan for the maintenance, inspection and replacement of extract air filters and a logbook is kept detailing all filter changes.

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. In order to maintain cleaning performance and permit separate disposal, these various cleaning agents must not be mixed. Separate cleaning systems are employed for the various coating materials (organic solvent and water-borne).

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

Permit Conditions

Standard Conditions

1. Charnwood Borough Council shall be notified in writing at least 14 days before any changes to the installation which may have an impact on emissions to atmosphere.
2. The best available techniques shall be used to prevent or, where that is not practicable, reduce emissions from the installation which is not regulated by any other condition of this permit

Non-VOC emissions

3. The following non-VOC emission limits shall apply:

Row	Pollutant	Source	Emission limits	Type of Monitoring	Monitoring frequency
1	Particulate matter	From spray booths	10 mg /Nm ³	Extractive monitoring	Already completed. None required

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

4. The introduction of dilution air to achieve emission concentration limits shall not be permitted. Dilution air may be added for waste gas cooling or improved dispersion where justified, but this must not be considered when determining the mass concentration of the pollutant in the waste gases.
5. The operator shall implement a maintenance schedule a copy of which shall be made available to Charnwood Borough Council upon request. This shall include all plant, buildings and the equipment concerned with the control of emissions to air.
6. Dusty wastes shall be stored in closed containers.

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7. Any spillage of particulate materials shall be cleaned up immediately by a wet method or vacuum cleaning in order to minimise particulate matter emissions to air. Dry sweeping is not permitted where it may result in the generation of airborne particulate matter to air outside any building.
8. All dust generated by power tools, such as those used to prepare vehicle surfaces prior to spraying, shall be extracted via a fume extraction system.
9. Waste dust collected by all extraction systems shall be contained in bags which are sealed prior to disposal in the enclosed waste skip, to prevent any emissions of dust to the external air.
10. Waste filters shall be sealed in bags prior to being deposited in the enclosed waste skip to prevent emissions of dust to the external air.
11. The operator shall keep records of inspections, tests and monitoring in relation to the provisions of conditions 29 to 31 of this permit and the requirements of the maintenance schedule. In such cases:
 - current records shall be kept on site and made available for Charnwood Borough Council to examine on request
 - records shall be kept by the operator for at least two years.
12. In the event of any adverse results from any monitoring activity 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 Charnwood Borough Council
13. In the case of 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

14. 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 "). For information, the individual bodyshop products that are covered by this permit are listed in Appendix 4 of Process Guidance Note 6/34b (06), extract provided in Appendix 3 of this permit.
 15. 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 Appendix 5 of Process Guidance Note 6/34b (06), extract provided in Appendix 4 of this permit.
 16. A detailed inventory shall be maintained of all paint, hardener, organic solvent and substrate and equipment cleaning materials used. The record shall be kept in such a way that the total organic solvent usage can be determined and this determination shall be made every twelve months. A copy of this inventory shall be forwarded to Charnwood Borough Council within four weeks of the end of the twelve month period to which the inventory relates.
 17. All paint spraying operations shall be carried out in a totally enclosed booth under negative pressure, to prevent fugitive emissions of VOCs.
 18. Spray applied coatings shall be applied to commercial vehicles using high volume low pressure (HVLP) (maximum atomisation pressure 67.5kPa) spraying equipment.
 19. All spray guns and equipment cleaning shall be carried out in an automatic, totally-enclosed equipment cleaning machine, vented to atmosphere. 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.
 20. All spray gun testing and spray-out following cleaning shall be carried out in one of the spray-booths, whilst the extraction system is running.
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21. Cleaning solvents shall be dispensed by a piston type dispenser or similar contained device, when used on wipes.
22. Solvent contaminated wipes and other wastes shall be handled in accordance with a written procedure a copy of which shall be made available to Charnwood Borough Council upon request.
23. Organic solvent containment and spillage equipment shall be readily available in all organic solvent handling areas.
24. All solvent containing coatings, thinners and related materials and equipment cleaning materials shall be stored:
 - I. in the containers in which they were supplied, with the lid securely fastened at all times other than when in use
 - II. within spillage collectors, of suitable impervious and corrosion-proof materials and capable of containing 110% of the largest container
 - III. away from sources of heat

(For information, these conditions should not conflict with the requirements of occupational health and safety regulations)

25. All solvent containing wastes shall be stored:
 - I. in suitable sealed containers with a securely fastened lid, and labelled so that all that handle them are aware of their contents.
 - II. within spillage collectors, of suitable impervious and corrosion-proof materials and capable of containing 110% of the largest container
 - III. away from sources of heat
26. Cleaning operations involving organic solvents shall be reviewed every two years, to identify opportunities for reducing VOC emissions. This will include identification of cleaning steps that can be eliminated or alternative cleaning methods. Charnwood Borough Council shall be provided with a report on the conclusions of the review, within eight weeks of it being completed.

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27. 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.
28. 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

29. All releases to air, other than condensed water vapour, shall be free from persistent visible emissions and free from droplets.
30. There shall be no offensive odour beyond the site boundary as perceived by a duly authorised officer of Charnwood Borough Council.
31. 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 I, as described in British Standard BS 2742:1969.

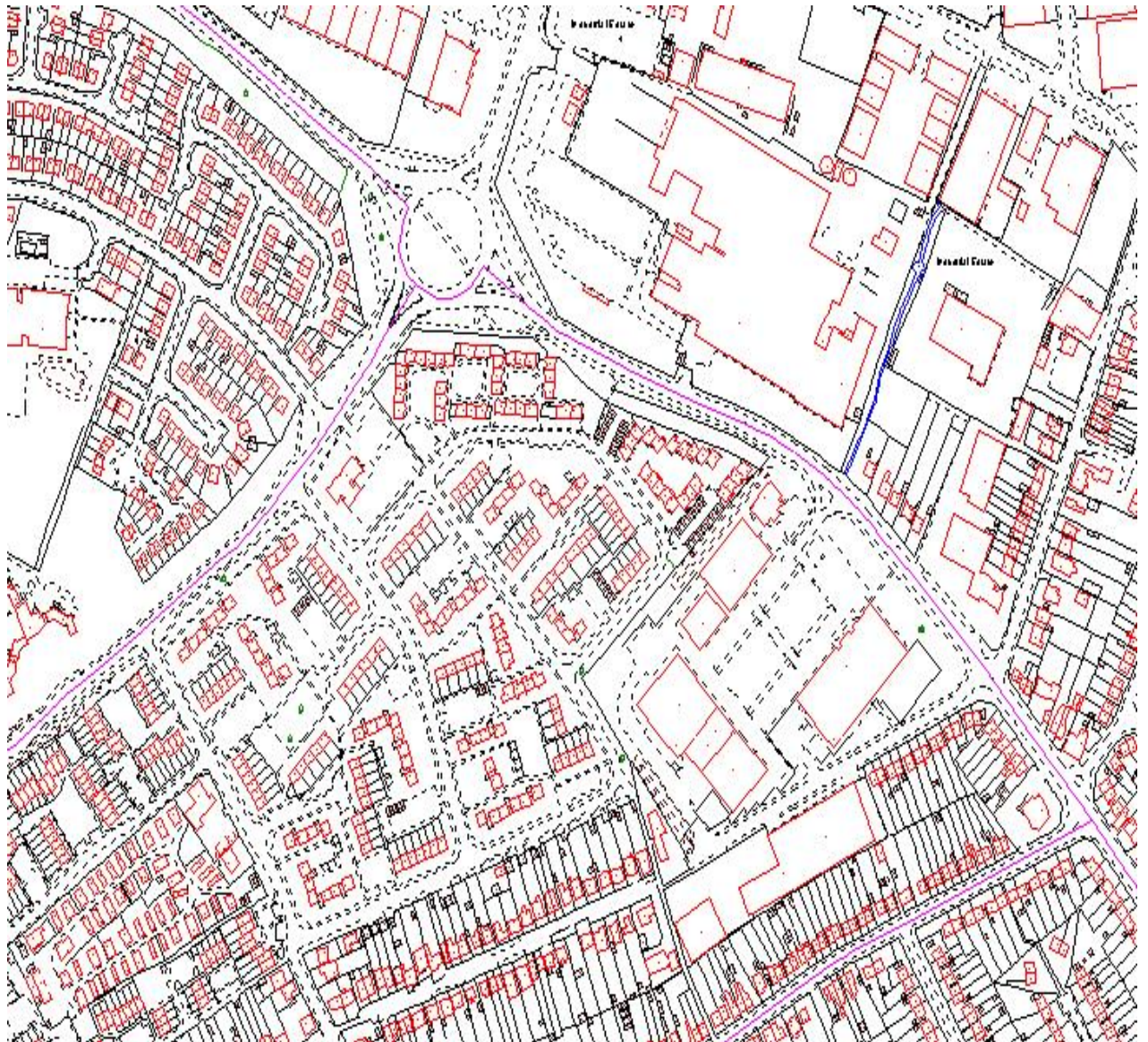
General Conditions

32. All emissions of particulates, isocyanates and VOCs shall be emitted from 8 stacks. The stacks shall be 8.5 m above ground level and extend 1 m above roof height.
33. Staff at all levels shall receive the necessary training and instruction in their duties relating to control of the process and emissions to air. Particular emphasis shall be given to:
 - I. awareness of their responsibilities under this permit in dealing with conditions likely to give rise to VOC emissions, such as in the event of spillage;
 - II. minimising emission on start up and shut down;
 - III. action to minimise emissions during abnormal conditions.
34. A record of staff training and instruction shall be maintained by the operator and shall be available to a duly authorised officer of Charnwood Borough Council on request.

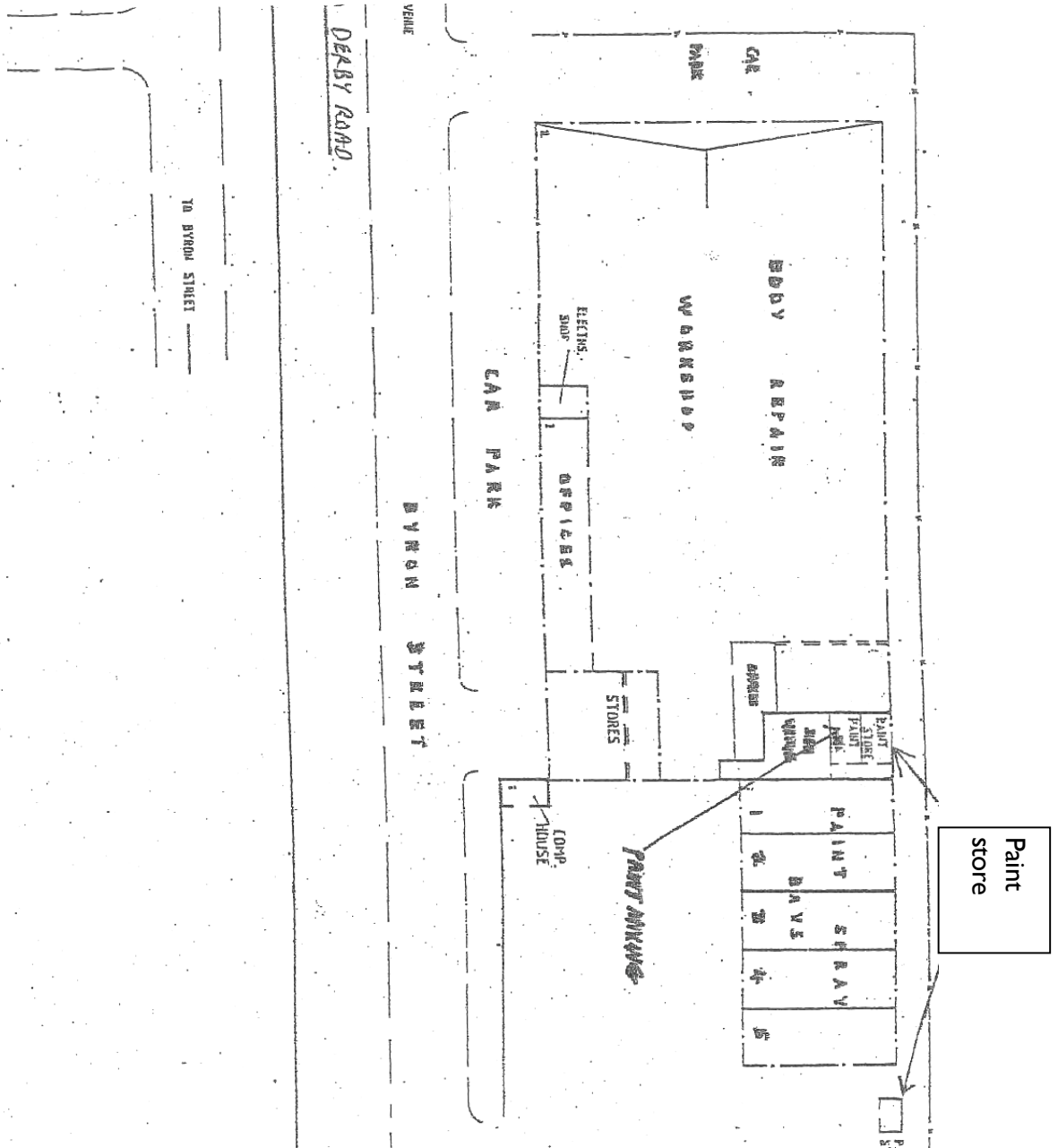
End of Conditions

Appendix I- Site Location

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Appendix 2 -Layout



Appendix 3**Extract from Appendix 4 PG 6/34 b (06) :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 singlelayer or as a multiple-layer base to provide gloss and durability. It includes all products involved such as base coatings and clear coatings:
- (i) '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;
 - (ii) 'clear coating' means a transparent coating designed to provide the final gloss and resistance properties of the coating system;
- e) '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 Appendix 5 PG 6/34 b (06) : 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			

Appeals in relational to Environmental Permits

1. Anyone who is aggrieved by the conditions attached to a Permit can appeal to the Secretary of State for the Environment, Food and Rural Affairs within 6 months from the date of the permit issue.
2. Appeals must be made in accordance with the requirements of Regulation 31 and Schedule 6 of the EP Regulations and should be addressed as follows:

The Planning Inspectorate
Environment Team, Major and Specialist Casework
Room 4/04 Kite Wing
Temple Quay House,
2 The Square,
Temple Quay,
Bristol, BS1 6PN

3. An appeal brought under Regulation 31(b) in relation to the conditions in a permit will not suspend the effect of the conditions appealed against: the conditions must still be complied with.
4. There are no forms or charges for appealing. However for an appeal to be valid, appellants are legally required to provide information as detailed in paragraphs 2(1) and (2) of Schedule 6 of the EP Regulations., namely:
 - 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.
5. In determining an appeal against one or more conditions, the Act allows the Secretary of State in addition to quash any of the other conditions not subject to the appeal, to direct the local authority either to vary any of these other conditions or to add new conditions.