

**Corby Borough Council**  
Environmental Services  
Working towards a Cleaner Environment

# ENVIRONMENTAL PERMIT

Environmental Permitting (England and Wales) Regulations 2016

**Installation address**

BCA Marketplace PLC  
T/A BCA Fleet Solutions  
Geddington Road  
Corby  
NN18 8AA

**BCA Marketplace PLC T/A BCA Fleet Solutions is hereby Permitted by Corby Borough Council to carry on a Vehicle Respraying Process as prescribed in Section 6.4(B), of the Environmental Permitting (England and Wales) Regulations 2016 described below and within the installation boundary as marked red on the attached plan and subject to compliance with the following conditions**

Signed.....



Date.....

23<sup>rd</sup> March 2017

**Environmental Protection and Private Sector Housing Manager  
Authorised Officer of the Council**

<b>Permit Holder:</b>	<b>BCA Marketplace PLC T/A BCA Fleet Solutions</b>
Installation Address:	Geddington Road Corby NN18 8AA
Registered Address of Company:	Bedford Coronation Business Park Kempston Hardwick BEDFORD MK43 9PR

<b>Provenance</b>	<b>Date</b>
Application for Authorisation (EPA 90)	11 <sup>th</sup> October 2005
Authorisation issued	10 <sup>th</sup> January 2006
Permit 'deemed' application	12 <sup>th</sup> April 2006
Permit Issued (P20)	12 <sup>th</sup> April 2006
Revised Permit issued (P20/3)	22 <sup>nd</sup> April 2008
Permit Revised (P20/3)	5 <sup>th</sup> July 2011
Amended Permit (P20/4)	19 <sup>th</sup> September 2011
Amended Permit (P20/5)	16 <sup>th</sup> October 2012
Permit Transfer	7 <sup>th</sup> March 2017
Permit Simplified	22 <sup>nd</sup> March 2017

### **Process Description**

The process operated is the re-spraying of road vehicles using more than one tonne of volatile organic compounds in any 12 month period.

The products used at BCA Fleet Solutions are water and solvent based coatings supplied by LKQ Paint Coatings.

Products are received in sealed containers and stored in the paint store until required for use. Paint, clear lacquer and primers are activated in the mixing room. Local exhaust ventilation is provided in the mixing room which discharges to atmosphere via the main extraction.

All paint spraying takes place in the dedicated enclosed spray booths. The booths use a dry under floor particulate filter linked to the booth extraction systems. The booth will only operate under a negative pressure. The extracted air is discharged to atmosphere at a height of at least 3m above the roof ridge height of the building housing the booths. The booths heating is achieved by the combustion of natural gas. The vehicle is baked for approximately 30 minutes at 80°C.

The type and make of the booths at the site are as below:

Junair	428 series	X 7
STL	Wheel only	X 1

Spray applications are carried out by the use of a high volume low pressure (HVLP) spray gun. Any surplus material from the spraying operation not required for further use is stored in a lidded drum together with any dirty thinners.

Spray guns are cleaned after use in a fully enclosed gun wash machine in the mixing room. The gun wash machine is connected to the local exhaust ventilation.

The principal sources of releases to air from the process are:-

- (i) particulates from preparation of vehicles
- (ii) VOC emissions from storage of paint and preparation of paint
- (iii) VOC emissions from paint spraying booths
- (iv) VOC emissions from cleaning of spray guns.

The conditions contained within this Permit are based upon Process Guidance Note 6/34 (11) 'Statutory guidance for re-spraying of road vehicles' revised July 2013.

The requirements of the conditions attached to this Permit shall come into effect on the date indicated in the individual condition or if no date is indicated shall take effect forthwith.

**Non – VOC emissions**

<b>Table 1 – the following non VOC emission limits shall apply:</b>					
<b>Row</b>		<b>Source</b>	<b>Emission Limits/ Provisions</b>	<b>Type of Monitoring</b>	<b>Monitoring Frequency</b>
1	Particulate Matter	From spray booths	10mg/Nm <sup>3</sup>	By guarantee supplied by the spray booth constructor	None required
		[Abrasive blasting equipment and other sources (except spray booths)]	[50mg/Nm <sup>3</sup> for contained sources]	Manual extractive Testing in accordance with BS6069: Section 4.3 1992	[in accordance with the written plan]
2	Sulphur Dioxide	All processes/activities	1% wt/wt sulphur in fuel	Certification by supplier on first delivery.	None required
		All processes/activities using gas oil as defined in the Sulphur Content of Certain Liquid Fuels Directive (1999/32/EC).	0.2% wt/wt sulphur in fuel (before 1/01/2008) 0.1% wt/wt sulphur in fuel (from 1/01/2008)		
All emissions shall be determined at the standard reference conditions of 273.15k and 101.3kPa, without correction for water vapour content.					

1. 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.

2. The Operator shall implement a maintenance schedule a copy of which shall be made available to the Regulator upon request. The Operator shall inform the Council in writing of any significant changes to the schedule.
3. Dusty wastes shall be stored in closed containers.
4. Dry sweeping of dusts and dusty wastes shall not be used.
5. The Operator shall keep records of inspections, tests and monitoring in relation to the provisions of the table above. In such cases:
  - current records shall be kept on site and made available for the Regulator to examine;
  - records shall be kept by the Operator for at least two years.
6. The Operator shall notify the Regulator 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 the Regulator 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 "). For information, the individual bodyshop products that are covered by this Permit are listed in Appendix 3 of Process Guidance Note 6/34 (11).
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 suppliers 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).
12. All paint spraying operations shall be carried out in a totally enclosed booth under negative pressure, to prevent fugitive emissions of VOCs.
13. Spray applied coatings shall be applied to passenger cars using the following: high volume low pressure (HVLP) (maximum atomisation pressure 67.5kPa) spraying equipment.
14. All spray guns and equipment cleaning shall be carried out in an automatic, totally-enclosed equipment cleaning machine or any other equipment cleaning machine which can achieve comparable or lower emissions. The cleaning machine shall be provided with the minimum of exhaust ventilation that is necessary to prevent the fugitive emission of organic solvent vapour when the machine is opened for introduction or removal of equipment, or for the changing of cleaning solvent.
15. All spray gun testing and sprayout following cleaning shall be carried out in either an equipment cleaning machine with the extraction running or into a chamber which is provided with extraction which is running in accordance with a written procedure a copy of which shall be made available to the Regulator upon request . The Operator shall inform the Council in writing of any significant changes to the written procedure.
16. Cleaning solvents shall be dispensed by a piston type dispenser or similar contained device, when used on wipes.
17. Pre-impregnated solvent wipes shall be held within an enclosed container prior to use.
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 the Regulator 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.

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.

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

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. 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. The Regulator shall be provided with a report on the conclusions of the review, within eight weeks of it being completed.
23. 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 spray booth and abrasive blasting plant breakdowns can be rectified rapidly.
24. Waste solvents and waste coatings shall be recycled off-site. Copies of receipts of waste materials sold for recycling shall be kept for four years and made available to the Regulator in request.

**Visible and odorous emissions**

25. All releases to air, other than condensed water vapour, shall be free from persistent visible emissions.
26. All emissions to air shall be free from droplets.
27. There shall be no offensive odour beyond the site boundary, as perceived by the Regulator.
29. 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 2742:2009.

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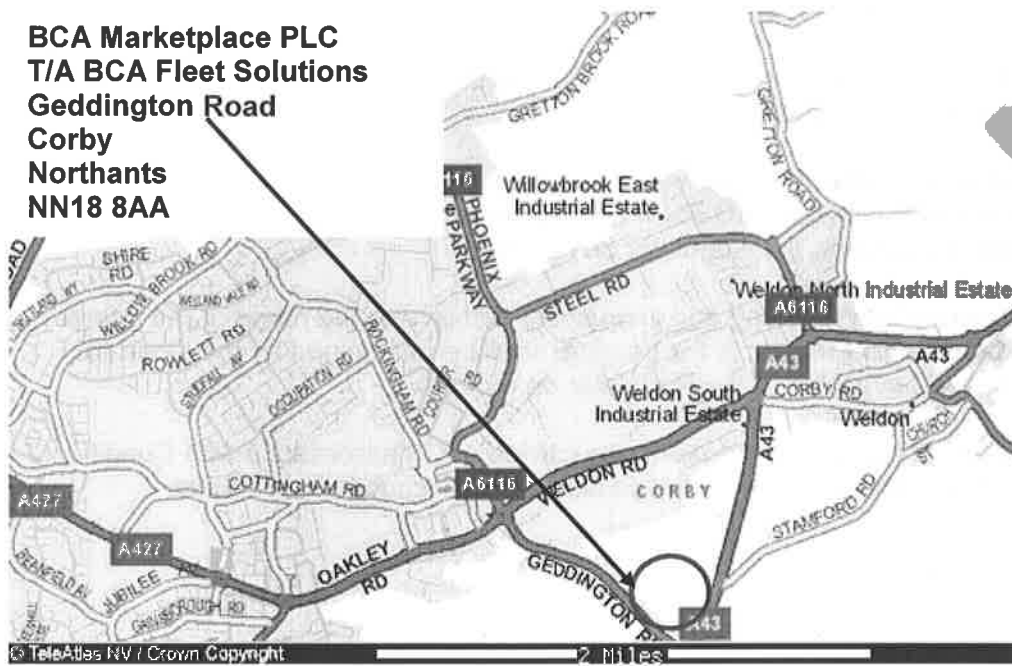
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## **General Conditions**

29. All emissions of volatile organic compounds shall be emitted from 4 stacks that are at least 3m above ridge height.
30. The activity shall operate in accordance with the ISO 14001 Environmental Management System.
31. Staff at all levels shall receive the necessary training and instruction in accordance with the LKQ Paint Coatings training programme which shall be made available to the Regulator on request.
32. 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 made available to the Regulator on request.
33. A written record of all maintenance carried out in accordance with Condition 2 shall be made available for inspection by the Regulator on request.

# Site Location Map

**BCA Marketplace PLC  
T/A BCA Fleet Solutions  
Geddington Road  
Corby  
Northants  
NN18 8AA**



# Site Plan

Site boundary in red

