

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

# ENVIRONMENTAL PERMIT

Environmental Permitting Regulations 2016

Installation Address

GEFCO UK Ltd  
2 Geddington Road  
CORBY  
Northamptonshire  
NN18 8ET

GEFCO UK Ltd 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 as described below and within the installation boundary outlined on the attached plan and in accordance with the conditions detailed in this Permit.

Signed.....

Date.....

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

Contact Details: Environmental Services, Corby Borough Council, Deene House, New Post Office Square, Corby, Northants, NN17 1GD  
Tel: 01536 464052 Fax: 01536 464644

<b>Permit Holder:</b>	<b>GEFCO UK Ltd</b>
Installation Address:	2 Geddington Road Corby Northamptonshire NN18 8ET
Registered Address of Company:	Gefco UK Ltd 2 Belmont Road Chiswick London W4 5BQ

Provenance	Date
Application for Authorisation (EPA 90)	25 <sup>th</sup> July 1998
Authorisation issued	8 <sup>th</sup> December 1998
Permit 'deemed' application	1 <sup>st</sup> April 2004
Permit Issued (P10)	1 <sup>st</sup> April 2004
Revised Permit issued (P10/2)	3 <sup>rd</sup> July 2006
Revised Permit issued (P10/3)	8 <sup>th</sup> November 2007
Permit Revised (P10/4)	5 <sup>th</sup> July 2011
Permit Revised (P10/5)	15 <sup>th</sup> October 2012
Permit revised to model IAW PGN 6/34(11)	3 <sup>rd</sup> May 2017

### Activity Description

Vehicles are brought to the installation for minor repair and re-spraying.

The preparation of the vehicle may include cleaning, surface preparation and panel rectification. Any dust or particulate produced is collected in local extraction units.

The products used at GEFCO UK Ltd in Corby are Glazurit water based coatings.

The materials are received in sealed containers and are 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 to the exhaust from the spraybooths.

All paint spraying takes place in the six dedicated enclosed Dalby spray booths. The booths use a dry particulate filter linked to the booth local exhaust ventilation system. The booths 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 booth heating is achieved by the combustion of natural gas.

One booth is a dedicated panel booth, and one booth is dedicated to the application of primer. The other four booths are used for the application of base colour coats and laquers and baking.

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 sealed containers in the paint mixing room.

Spray guns are cleaned after use in one fully enclosed gun-cleaning machine located in the mixing room.

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.

**Non-Voc Emissions**

<b>Table 1 – The Following Non-Voc Emission Limits Shall Apply:</b>					
	<b>Substance</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 defines in the Sulphur Content of Certain Liquid Fuels Directive (1992/32/EC)	0.1% wt/wt sulphur in fuel		

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

**Conditions:**

1. The introduction of dilution air to achieve emission concentration limits shall not 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 body shops (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 body shop 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 high volume low pressure (HVLP) (maximum atomisation pressure 67.5kPa) spraying equipment.
14. All spray gun 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 spray out 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 & 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 three years.

#### **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.
28. 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.

#### **General Conditions**

29. All emissions of particulates shall be emitted from 4 stacks. The stacks shall be a minimum of 3m above roof level.
30. The activity shall operate in accordance with the GEFCO UK Ltd Environmental Management System
31. Staff at all levels shall receive the necessary training and instruction on the safe use of VOC compliant products.
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 sent annually to the Regulator by the 1st April.
33. A written record of all maintenance carried out in accordance with Condition 2 shall be made available for inspection by the Regulator.

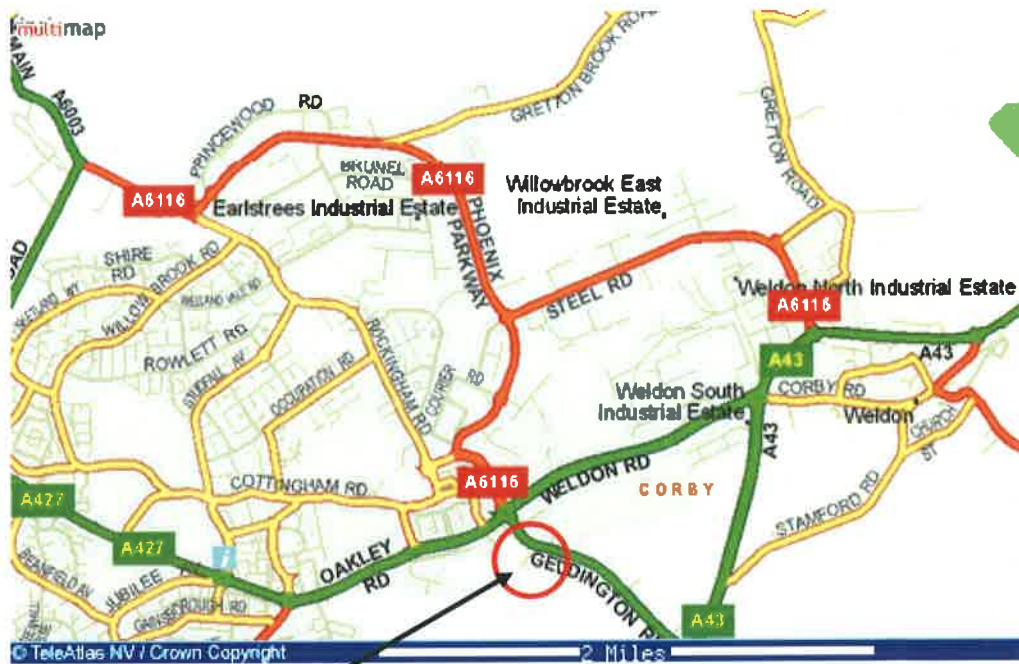


### Site plan

Location of extract ducts



### Site Location Map



**Gefco UK Ltd**  
**2 Geddington Road**  
**Corby**  
**Northants**  
**NN18 8ET**

