



**POLLUTION PREVENTION AND CONTROL ACT 1999  
POLLUTION PREVENTION AND CONTROL (ENGLAND AND WALES)  
REGULATIONS 2000  
PERMIT OF PROCESS**

**THIS IS TO CERTIFY THAT DRY CLEANING**

at: **BRADGATE CLEANERS, 4 BRADGATE ROAD ANSTEY  
LEICESTERSHIRE, LE7 7AA**

**National Grid Ref: SK 549 085**

(The site location is shown in appendix I, which forms part of this permit).

Has been duly permitted in accordance with Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 subject to the conditions outlined in this document.

**Name of Operator: BRADGATE CLEANERS**

**Registered Office. BRADGATE ROAD  
ANSTEY  
LEICESTERSHIRE LE7 7AA**

This Permit shall apply only to the premises occupied by the applicant, as specified and described in the Application for Permit submitted to the Borough of Charnwood. This Permit, consisting of eleven pages, shall be subject to replacement, variation or amendment, as may be considered appropriate by the Borough of Charnwood at any time, according to provisions of Regulations 12, 15, and 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000

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

Signed on behalf of Charnwood Borough Council

.....  
Ann Green. Specialist Environmental Health Officer  
(Delegated officer for the purpose)

Dated 8 October 2007

Counter-signed.....

Directorate of Housing and Health, Charnwood Borough Council  
Southfield Road, Loughborough LE11 2TX

**Process Description**

The above named company is permitted to operate a dry cleaning installation containing the dry cleaning machine(s) as detailed in part B.1.4 of the application. Namely: -

<b>Make</b>	<b>Model</b>	<b>Serial Number</b>	<b>Load Capacity</b>	<b>Date of Installation</b>	<b>Dry cleaning solvent</b>
BOWIE	P417	207/87/2/1	17 Lb	21/12/04	PER

Subject to compliance with the following conditions.

**Permit Conditions****Emission limits, monitoring and other provisions**

- (1) Operations must be carried out in such a manner that no more than 20 grams of solvent per kilogram of product cleaned and dried shall be emitted as measured and reported annually to Charnwood Borough council by the 31<sup>st</sup> October each year. The 20 grams includes all organic solvents used within the installation e.g. dry cleaning solvent, water-proofing solutions and spot cleaning solutions.
- (2) A weekly inventory of solvent usage, product cleaned and solvent waste sent for recovery or disposal shall be maintained and held on site for inspection by the regulator for at least 12 months
  - *Note: The solvent management balance sheet for dry cleaning installations in Appendix 4 of the process guidance Note PG6/45(04), extract provided in appendix 3 of this permit, can be used to demonstrate compliance with conditions (1) and (2) above.*
- (3) The operator shall implement the schedule of procedures, checks and maintenance requirements to each dry cleaning machine as detailed in section B1.5 of the permit application dated 16 October 2006.

**General conditions**

- (4) The regulator shall be advised in writing 14 days prior to any proposed significant alteration to the operation, or modification of the installation which may have an effect on emissions of VOC from the installation, in particular changes to the matters listed in condition (3) above.
- (5) All operating staff must know where the operating manual for each dry cleaning machine can be found and have ready access to it.

- (6) All operating staff must be trained in the operation of each dry cleaning machine and the control and use of dry cleaning solvents. The training received must be recorded.
- (7) The machine shall be installed and operated in accordance with supplier recommendations, so as to minimise the release of VOC to air, land and water.
- (8) In the case of abnormal emissions, malfunction or breakdown leading to abnormal emissions the operator must:
- investigate immediately and undertake corrective action; adjust the processor activity to minimise those emissions; and
  - adjust the process or activity to minimise those emissions; and
  - promptly record the events and actions taken.

**In this condition abnormal emission will include any detectable solvent smell other than in the area of the dry cleaning machine.**

- (9) In cases of non-compliance causing immediate danger to human health, operation of the activity must be suspended; and the regulator informed within 24 hours by telephone.
- (10) Dry cleaning machines shall be operated as full as the type of materials to be cleaned will allow e.g. Full loads for light non delicates materials such as suits. Delicates and heavy materials, such as, wedding dresses and blankets may need to be cleaned in part loads).
- (11) Where cleaning solvents containing VOC are not received in bulk and no spillage trays are fitted they shall be stored:
- in the containers they were supplied in with the lid securely fastened at all times other than when in use; and
  - away from any drain which may become contaminated as a result of the spillage; and
  - away from sources of heat and bright light; and
  - with access restricted to only appropriately trained staff.

*Note: from a health and safety point of view: a well ventilated area should be used*

- (12) Where cleaning solvents containing VOC are not received in bulk, the lids of the containers shall only be removed when the container is next to the cleaning machine readily for filling. Cleaning solvents shall be obtained in containers of a size which allows the entire container to be emptied into the machine at each topping up. Once emptied the lid of the container shall be replaced securely.
- (13) Spot cleaning with organic solvents or organic solvent borne preparations shall not be carried unless they are the only method of treating a particular stain on the material to be cleaned.
- (14) The dry cleaning machine loading door shall be kept closed when not in use.
- (15) The dry cleaning machine loading door shall be closed before the start-up of the machine, and kept closed at all times through the drying and cleaning cycle.
- (16) The still, button trap and lint filter doors shall be closed before the start-up of the machine and kept closed at all times through the drying and cleaning cycle.
- (17) The still shall have a thermostatic control device or equivalent with which to set a maximum temperature, in accordance with manufacturers' recommendations for the solvent used.
- (18) The heat source shall automatically switch off at the end of the distillation process.
- (19) The machine shall have a spillage tray with a volume greater than 110% of the volume of the largest single tank within the machine. This condition applies to new and most refurbished machines only.
- (20) Prior to disposal, containers contaminated with solvent shall be store with the lids securely fastened to minimise emissions from residues during storage prior to disposal, and labelled so that all that handle them are aware of their contents.
- (21) Solvent contaminated waste, for example still residues, shall be stored:
  - in suitable sealed containers with the lid securely fastened at all times other than when in use; and
  - on a suitable impervious floor; and
  - away from any drains which may become contaminated with residues as a result of spillage,
  - away from sources of heat and bright light; and

- with access restricted to only appropriately trained staff.

*Note: from a health and safety point of view: a well ventilated area should be used.*

- (22) Equipment to clean up spillages must be quickly accessible in all solvent handling and storage areas.
- (23) The operator shall maintain a record incorporating details of all maintenance, testing, repair work carried out on each dry cleaning machine and the scales used to weigh the loads, along with details of training required under condition 6 above. The records shall be available within 7 days upon request by the regulator
- (24) Spares and consumables in particular, those subject to continual wear shall be held on site, or should be available at short notice from guaranteed suppliers, so that plant breakdowns can be rectified rapidly.

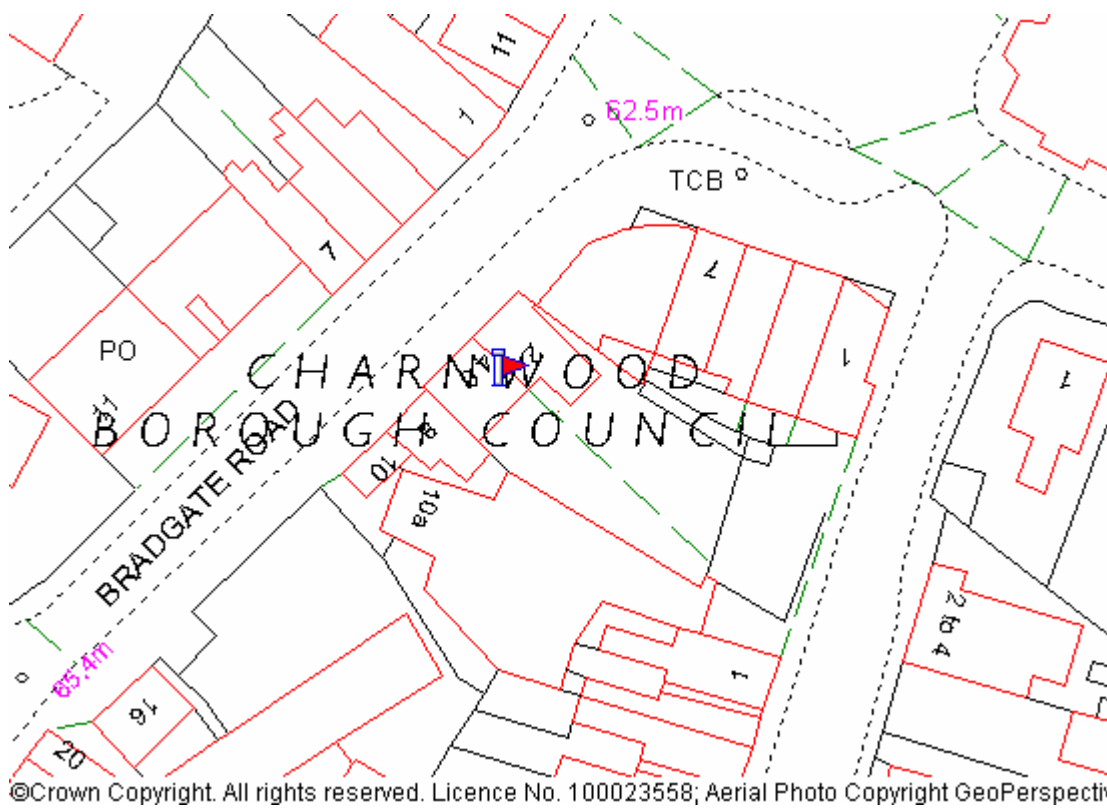
**Dry cleaning installations using risk phrase materials.**

- (25) No designated risk phrase materials with risk phrases R45, R46, R49, R60 and R61 shall be introduced into this process/ activity without the prior notification and permission of an Authorised Officer from Charnwood Borough Council.

Appendix I

Site Location

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**Appendix 3: Solvent and Product Cleaned Inventory**

**Weekly Inventory Sheet: installations using PER machines only.**

**Name of the premises**

.....

**Permit ref number**.....

**Start date of week**.....

**Week Number (1-52)**.....

Serial Number of Machines	Weight of Products cleaned (KG)	Initial stock of solvent in machines at start date (Litres)	Solvent added to machine over week (Litres)	Final stock of solvent in machine at end of week (Litres)
<b>Totals</b>	<b>Kg(A)</b>	<b>Litres(B)</b>	<b>Litres( C )</b>	<b>Litres(D)</b>

Still residue rake out (litres) and sent for recovery or disposal during week	Still residues pumped out (litres) and sent for recovery or disposal during week
Litres X 0.15	Litres X 0.6
Litres (E)	Litres (F)

**Solvent Input (I<sub>1</sub>)**

Solvent input for week	Initial solvent stock at start of accounting period (B)	Solvent purchased during the accounting period (C)	Final solvent stock at the end of the accounting period (D)	Solvent in waste sent for recovery or disposal (E+F)				
	=	+	-	-				
(I <sub>1 week</sub> ) litres	=	B	+	C	-	D	-	(E+F)

**Annual Inventory Sheet: Installations using PER machines only.**

Name of the premises

.....

Permit ref number.....

Date.....

Week number (1 – 52)	Weight of products cleaned for week (Kg) (A)	Total solvent Input for week (I <sub>week</sub> ) (Litres)
1		
2		
3 etc		
52		
Totals	A <sub>total</sub> Kg	Litres(G)

**Spot Cleaning Correction Factor**

**Where 10 litres or less per annum are used of:**

- proprietary solvent borne purchased spot cleaning solutions, and/or
- solvent borne spot cleaning solutions made up from solvent other than the main dry cleaning fluid (PER).

The spot cleaning correction factor is 6.25 (litres) and is already entered into the table below.

**\*Where more than 10 litres per annum are used of:**

- proprietary solvent borne purchased spot cleaning solutions, and/or
- solvent borne spot cleaning solutions made up from solvent other than the main dry cleaning fluid (PER).

Then the method at the end of this Appendix on page 11 should be used to calculate the correction factor to replace 6.25 in the table below.

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Total correction solvent input for year including solvent borne spot cleaners ( $I_1$ ) (Litres)	Corrected solvent Input x compliance Factor for PER 80Kg/litre	Weight of produce cleaned for compliance (J) (Kg)	Actual weight of product cleaned and dried ( $A_{total}$ ) (Kg)
$6.25^* + G$ litres	$(6.25^* + G) \times 80$	= J Kg	$A_{total}$ Kg

**For PER compliance the weight of products cleaned and dried in Kgs should be at least; J (Kg)**

## **Calculation of Spot Cleaning Correction Factor**

Where more than 10 litres of proprietary solvent borne spot cleaning solutions and/or solvent borne spot cleaning solutions made up from solvent other than the main dry cleaning fluid are used, the actual solvent content of each solvent borne spot cleaning solution has to be determined. For purchased spot solvent borne spot cleaners this information can be obtained from the supplier. For spot cleaners made up within the dry cleaning installation the recipe used should be used to determine the actual solvent content.

<b>Spot cleaner</b>	<b>Amount used (Litres) (P)</b>	<b>Solvent content % (Q)</b>	<b>Specific Gravity of solvent within spot cleaner (grams/litre) ( R)</b>	<b>Mass of solvent in spot cleaner used <math>S=(P \times Q / 100) \times R</math></b>
<b>Totals</b>	<b>(P<sub>total</sub>) Litres</b>			<b>(S<sub>total</sub>) grams</b>

**Installations using PER machines only solvent borne spot cleaning  
correction factor = (S<sub>total</sub>) grams × 0.000625**

**Installations using all other solvents and mixed solvents only solvent borne  
spot cleaning correction factor = (S<sub>total</sub>) grams**

## EXPLANATORY NOTES

These notes do not comprise part of Permit Serial No.121 but contain guidance relevant to the Permit.

1. You should note that Regulation 12(10) of the Regulations provides that in relation to any aspect of the process not regulated by conditions 1 to 25 the best available techniques ('BAT') shall be used for the purpose of preventing or, where that is not practicable, reducing emissions into the air.

Section 3(7) of the Regulations describes 'BAT' as meaning 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 basis for emission limit values designed to prevent and, where that is not practicable, generally to reduce emissions and the impact on the environment as a whole.

2. This Permit is issued under the Pollution Prevention and Control (England and Wales) Regulations 2000. 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 a Waste Disposal Licence.
3. Any proposed 'change in operation' in the process (within the meaning of Regulation 2(1)) shall be notified to Charnwood Borough Council as required by Section 16(1) of the Regulations.
4. 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. Appeals must be made in accordance with the requirements of Regulation 27 and Schedule 8 of the PPC regulations. The address is as follows:

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

**Please note:** an appeal brought under paragraph (1) (c) or (d) 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.

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 and to direct the local authority either to vary any of these other conditions or to add new conditions.