

WYCHAVON DISTRICT COUNCIL

POLLUTION PREVENTION AND CONTROL ACT 1999

POLLUTION PREVENTION AND CONTROL (ENGLAND AND WALES) REGULATIONS 2000 (AS AMENDED)

APPLICATION RECEIVED 3 October 2006

PERMIT REFERENCE WYC/PPC/87/1/06

Wychavon District Council hereby permit Executive Cleaners, 49 High Street, Droitwich, Worcestershire, WR9 8EP in accordance with the following conditions, numbered 1 to 25 inclusive, appendix 1 and the attached Figures 1 and 2, to carry out dry cleaning and associated processes, as prescribed by section 7 of Schedule 1 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (as amended), and as described below at:

Executive Cleaners
49 High Street
Droitwich
Worcestershire
WR9 8EP

and as outlined in red on the attached Figure 1.

DESCRIPTION OF PERMITTED ACTIVITY

The above named company is permitted to operate a dry cleaning installation using the dry cleaning machines listed below,

Make	Model	Serial Number	Load Capacity	Date of Installation	Dry Cleaning Solvent
Firbimatic	335	8956	(15kg) 33lbs	August 1995	Perchloroethelene

subject to compliance with the following conditions:

Permit Conditions

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. 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.
3. The report required in condition 1 shall be sent to the Council no later than four weeks from the 31st October each year. Appendix 1 contains forms that can be used for the weekly record, although you are free to use any form providing it provides the same information.
4. The operator shall implement the schedule of procedures, checks and maintenance requirements to each dry cleaning machine as described above in this permit
5. 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.
6. All operating staff must know where the operating manual for each dry cleaning machine can be found and have ready access to it.
7. 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.
8. 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.
9. In the case of abnormal emissions, malfunction or breakdown leading to abnormal emissions the operator must:
 - investigate immediately and undertake corrective action; adjust the process or activity to minimise those emissions
 - 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.
10. 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.
11. 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).
12. Where cleaning solvents containing VOC are not received in bulk they shall be stored:
- in the containers they were supplied in 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 and bright light;
 - with access restricted to only appropriately trained staff.
13. 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 that 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.
14. 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.
15. The loading door of the dry cleaning machine shall be kept closed when not in use.
16. The loading door of the dry cleaning machine shall be closed before the start-up of the machine, and kept closed at all times through the drying and cleaning cycle.
- All machines installed after 19 May 2005 shall have interlocks to prevent start-up of the machine until the loading door is closed and to

prevent opening of the loading door until the machine cycle has finished and the cage has stopped rotating.

- All machines installed after 19 May 2005 shall have interlocks to automatically shut down the machine under any of the following conditions: cooling water shortage, failure of the cooling ability of the still condenser, failure of the cooling ability of the refrigeration system or failure in the machine heating system resulting in the inability to dry the load.
17. 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.
- All machines installed after 19 May 2005 shall have interlocks to automatically shut down the machine if the still, button trap and lint filter doors are not properly closed.
18. 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.
19. The heat source shall automatically switch off at the end of the distillation process.
20. The machine shall have a spillage tray with a volume greater than 110% of the volume of the largest single tank within the machine.
21. All machines installed after 19 May 2005 shall have a secondary water separator to minimise potential solvent losses.
22. Prior to disposal, containers contaminated with solvent shall be stored 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.
23. 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
 - on a suitable impervious floor
 - away from any drains which may become contaminated with residues as a result of spillage,
 - away from sources of heat and bright light

- with access restricted to only appropriately trained staff.

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

24. Equipment to clean up spillages must be quickly accessible in all solvent handling and storage areas.
25. The operator shall maintain a records 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 7. The records shall be available within 7 days upon request by the regulator
26. 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.

End of Permit Conditions

Keith Handy Environmental Health Officer
Authorised by Wychavon District Council to sign on their behalf

Appendix 1:

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).....

Solvent Input (I1)

Serial Number of machines	Weight of products cleaned (kg)	Initial stock of solvent in machine at start date (litres)	Solvent added to machine over week (litres)	Final stock of solvent in machine at end of week (litres)
Totals	kg(A)	litres(B)	litres(B)	litres(D)

Still residues raked 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)

$$\begin{array}{rclclcl}
 \text{Solvent input for week (I1)} & = & \text{Solvent input for week (I1)} & + & \text{Solvent purchased during the accounting period (C)} & - & \text{Final solvent Stock at the end of the accounting Period (D)} & - & \text{Solvent in waste sent for recovery or disposal (E+F)} \\
 (I1\text{week}) & = & B & + & C & - & D & - & (E+F)
 \end{array}$$

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)	Solvent Input for week (1week) (litres)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
Totals	A_{total} kg	litres(G)

Week number (1-52)	Weight of products cleaned for week (kg) (A)	Solvent Input for week (11week) (litres)
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
Totals	A_{total} 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 the Appendix should be used to calculate the correction factor to replace 6.25 in the table below.

Corrected solvent Input for year including solvent borne spot cleaners (I1) (litres)	Corrected solvent Input X Compliance Factor for PER 80kg/litre	Weight of product 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

WEEKLY INVENTORY SHEET

Site	Machine	Week ending															
		1	2	3	4	5	6	7									
Load no	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Daily Total Kg	Solvent Added litres
Monday		kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		
Tuesday																	
Wednesday																	
Thursday																	
Friday																	
Saturday																	
Sunday																	
																Total for week	

Indicate as appropriate	Method of still cleaning	Date still cleaned
	Manual rake out	
	Pumped out	

Activity	Date
Water separator cleaned	

Maintenance and or service carried out date
Details

Signed _____ Dated _____

EXECUTIVE CLEANERS 49 HIGH STREET DROITWICH WR9 8EP

FIGURE 1

Title: Figure 1



WYCHAVON DISTRICT COUNCIL
 good services, good value

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Scale 1/500
 Centre = 390070 E 263367 N

Date 7/6/2007
 Produced by

EXECUTIVE CLEANERS 49 HIGH STREET DROITWICH WR9 8EP

FIGURE 2

Front door

Counter

DRY CLEANER

Press Room

HOY POOL LTD T/A
EXECUTIVE CLEANERS

129 High St
Dorchester Sp

