

## Wyre Forest District Council

### Pollution Prevention and Control Act 1999

### Environmental Permitting (England & Wales) Regulations 2016, (as amended)

**Permit Reference number: 18/00152/B**

**(i) Name and Address of Operator:**

Mr. Malcolm Teeling  
46 Load Street  
Bewdley  
Worcestershire  
DY12 2AP

**(ii) Address of Permitted Installation:**

The Dry Cleaning Room  
46 Load Street  
Bewdley  
Worcestershire  
DY12 2AP

A site layout plan is attached.

The above named individual is permitted to operate a dry cleaning installation containing the dry cleaning machine(s) below,

Make	Model	Serial No.	Date of Installation	Dry Cleaning Solvent
UNISEC	ECOPLUSJM161HCC	01712617	2018	Hydrocarbon

subject to compliance with the following conditions:

#### **Residual BAT condition**

The best available techniques shall be used to prevent, or where that is not practicable, reduce emissions from the installation in relation to any aspect of the operation of the activity which is not specifically regulated by any condition of this permit.

## 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. Further, the operator should retain records of solvent purchased for at least 12 months.

Note: The solvent management balance sheet for dry cleaning installations in Appendix 3 can be used to demonstrate compliance with conditions (1) and (2) (above).

- (3) A copy of the following shall be sent to Worcestershire Regulatory Services once a year on or before 31<sup>st</sup> January:

<b>Information to be sent to Worcestershire Regulatory Services</b>	<b>Frequency at which information should be sent</b>
the monthly and annual inventory sheets for the previous 12 months	Once a year

- (4) In the case of abnormal emissions, malfunction or breakdown leading to abnormal emissions the operator shall:
  - investigate immediately and undertake corrective action; adjust the activity to minimise those emissions; **and**
  - adjust the 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.
- (5) In cases of non-compliance causing immediate danger to human health, or threatens to cause an immediate significant adverse effect upon the environment operation of the activity shall be suspended; and the regulator informed within 24 hours.
- (6) 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.
  - 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.



Signed .....  
Mr S R Williams  
An Authorised Officer of the Council

Date 10 July 2018

**References:**

1. The Secretary of State's Guidance PG 6/46(11) Revised June 2014 for Dry Cleaning.
2. The Secretary of State's General Guidance Manual on Policy and Procedures for A2 and B installations.

More information and help, including these documents can be obtained from the Defra web site:

<http://www.defra.gov.uk/industrial-emissions/las-regulations/guidance/>

**Regulator Contact Details:**

Worcestershire Regulatory Services  
Wyre Forest House  
Finepoint Way  
Kidderminster  
DY11 7WF

Tel. 01905 822799  
Email: [wrsenquiries@worcsregservices.gov.uk](mailto:wrsenquiries@worcsregservices.gov.uk)

**Appendix 1 Solvent and Product Cleaned Inventory  
Weekly Inventory Sheet: All installations**

Premises name:		Machine name or reference number:						Solvent Used:			Week start date or week number				
Load Number		1	2	3	4	5	6	7	8	9	10	11	12	Daily total weight (kg)	Solvent added (litres)
Monday	Weight (kg)														
Tuesday	Weight (kg)														
Wednesday	Weight (kg)														
Thursday	Weight (kg)														
Friday	Weight (kg)														
Saturday	Weight (kg)														
Sunday	Weight (kg)														
<b>Make a note of the reason why any under-weight load was cleaned:</b> <b>B = Blankets D = Delicates L = Lights O = Other W = Wedding dress</b>													<b>Total for week:</b>		
<b>Maintenance or testing required this week</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	<b>Saturday</b>	<b>Sunday</b>								
Still maintenance															
Lint filter checked & cleaned															
Button trap checked & cleaned															
<b>Notes:</b>															
<b>List your planned preventative maintenance in the “maintenance or testing required this week” boxes. Record what you have done for each maintenance item with a tick. Make notes about Solvent tank levels, other maintenance, servicing or solvent leaks / spills in the space above.</b>													<b>Signed:</b>		

Note – where the weight of clothes added is recorded in units other than kilograms, then all other measurements must be made using units that are compatible with the unit used for the weight of clothes.

# Monthly Inventory Sheet: All installations

Site: \_\_\_\_\_ Solvent: \_\_\_\_\_

Machine: \_\_\_\_\_ Month and Year: \_\_\_\_\_

Week starting (date)

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Weight of work processed (kg)

					<b>Monthly Total (A)</b>

Solvent added (litres)

					<b>Monthly Total (B)</b>

Solvent sent for disposal

	<b>Monthly Total</b>
<b>Total waste drum volume (litres)</b>	<b>(C)</b>
<b>Still cleaning correction factor :</b> 0.15 for powder filter rake-out, or 0.35 for ecological filter rake out, or 0.5 for pump out	<b>(D)</b>

Compliance this month

Table A:

Weight cleaned (kg) (A)	Solvent added (litres) (B)	Solvent disposed (litres) (C x D = E)	Net solvent use (litres) (B - E = F)	Consumption (kg/litres) (A ÷ F = G)	On target? ** (Yes / No)

\*\* The monthly result should only be used to provide a guide as to the performance of the machine. Solvent input and waste recovered will vary each month, affecting the Consumption (G).

Where:

Perchloroethylene is used, if G >80 kg/l = on target

Siloxane is used, if G >48.5 kg/l = on target

Hydrocarbons are used, if G >48.5 kg/l = on target

Notes:

# Annual Inventory Sheet: All installations

Date Submitted \_\_\_\_\_

Site: \_\_\_\_\_

Year: \_\_\_\_\_

Machine: \_\_\_\_\_

Solvent: \_\_\_\_\_

## Monthly Compliance

(complete "Table 1" with results from "Table A" from monthly inventory sheet)

Table 1:

Month	Weight cleaned (kg)	Solvent added (litres)	Solvent disposed (litres)	Net solvent use (litres)	Consumption (kg/litres)
<b>Total</b>	<b>(A)</b>	<b>(B)</b>	<b>(C)</b>	<b>(D)</b>	

## Annual Compliance

Spot cleaning correction factor (litres)*	(E)	
Corrected solvent input (litres)	(D + E = F)	
Solvent efficiency (kgs/litre)	(A ÷ F = G)	
Specific Gravity of Solvent being used :	(H)	
Perchloroethylene : 1600g/l		
Siloxane : 970 g/l		
HCS : 970 g/l		
Solvent emission (g/kg)	(H ÷ G = I)	
Have you met the requirement of the regulations? ( Is "I" <20g/kg ? )		

\* **Spot Cleaning Correction Factor** - A figure of 6.25 litres per annum should be used as the spot cleaning factor, whichever solvent is used for cleaning purposes.

Site Layout Plan

