Huntingdonshire
DISTRICT COUNCIL

PERMIT

Pollution Prevention and Control Act 1999

Environmental Permitting (England and Wales) Regulations 2007

Permit Reference No: B06/09

Huntingdonshire District Council (the regulator) hereby permits TW Garment Care Unit L Sawtry Business Park Sawtry Huntingdon PE28 5SR to operate a dry cleaning process as defined in Part 2 of Schedule 1 to the EP Regulations Section 7, and as described below in accordance with the following conditions which shall apply forthwith.

Address of permitted activity: TW Garment Care
Unit L
Sawtry Business Park
Sawtry
Huntingdon
PE28 5GQ

Description of Activity

Products to be cleaned within two dry cleaning machines using the dry cleaning solvent PERC. The location of the installation can be seen in the attachment BX/09(a) Location plant. Permit conditions include the use of the machine, monitoring solvent usage, the storage of new and waste solvents and the maintenance of the dry cleaning machine.

Conditions

1. Operations shall 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, for PERC 1 litre/ 80 kilograms of product cleaned and dried. 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, quarterly and annually 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 24 months as seen in B06/09(b) solvent usage sheets.

3. The operator shall implement the schedule of procedures, checks and maintenance requirements to each dry cleaning machine as listed in B06/09(c) maintenance schedules.

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.

5. All operating staff shall know where the operating manual for each dry cleaning machine can be found and have ready access to it.

6. All operating staff shall have been trained in the operation of each dry cleaning machine and the control and use of dry cleaning solvents. The training received shall 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 shall:
   (a) investigate immediately and undertake corrective action; adjust the process or activity to minimise those emissions; and
   (b) adjust the process or activity to minimise those emissions; and
   (c) promptly record the events and actions taken.
   (d) 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 shall be suspended; and the regulator informed within 24 hours.

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 they shall be stored:
   (a) in the containers they where supplied in with the lid securely fastened at all times other than when in use; and
   (b) within spillage collectors, of suitable impervious and corrosion-proof materials and capable of containing 110% of the largest container; and
   (c) away from sources of heat and bright light; and
   (d) with access restricted to only appropriately trained staff.

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 closed when not in use and before the start-up of the machine, and kept closed at all times through the drying and cleaning cycle.
    (a) All machines 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.
    (b) All machines 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.

15. 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.
    (a) All machines shall have interlocks to automatically shut down the machine if the still, button trap and lint filter doors are not properly closed

16. 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.

17. The heat source shall automatically switch off at the end of the distillation process.

18. The machine shall have a spillage tray with a volume greater than 110% of the volume of the largest single tank within the machine.

19. All machines shall have a secondary water separator to minimise potential solvent losses followed by an activated carbon adsorption bed to minimise potential solvent losses.

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 anyone who handles them are aware of their contents.

21. Solvent contaminated waste, for example still residues, shall be stored:
    (a) in suitable sealed containers with the lid securely fastened at all times other than when in use; and
    (b) on a suitable impervious floor; and
    (c) away from any drains which may become contaminated with residues as a result of spillage,
    (d) away from sources of heat and bright light; and
    (e) with access restricted to only appropriately trained staff.

22. Equipment to clean up spillages shall be quickly accessible in all solvent handling and storage areas.

23. The operator shall maintain 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 6. 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.

25. Where PERC is used within the installation a suitable continuous monitoring device for PERC shall be installed within the operating area of dry cleaning machine to monitor for leaks and any other malfunctions which may lead to the release of PERC. The continuous PERC monitoring device shall be maintained and calibrated in accordance with the manufacturer's recommendations. 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 installation which is not regulated by any other condition of this permit.

26. If the operator proposes to make a change in operation of the installation, they must, at least 14 days before making the change, notify the regulator in writing. The notification must contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. In this condition 'change in operation' means a change in the nature or functioning, or an extension, of the installation, which may have consequences for the environment

Signed: .....

Head of Environmental and Community Health Services

Date: 14 July 2009

GENERAL NOTES

1 Variation

The regulator will ensure that the permit remains up to date in line with the requirements set out in Regulation 20(1) This may involve issuing a Variation Notice following amendment to the Secretary of State's Guidance Notes or following receipt of any direction from the Secretary of State.

2 Review of Conditions

The regulator may at any time undertake a review of the conditions in this permit under Regulation 34(1). Where significant pollution is encountered or where there are changes in BAT or where the operational safety of the activity requires other techniques to be used an immediate review shall be undertaken.

3 Appeal

The permitted operator can appeal in writing to the Secretary of State against the items listed in Regulation 31.

Appeals shall be addressed to:

The Planning Inspectorate
Environment Team, Major & Specialist Casework
Room 4/04 Kite Wing
Temple Quay House
2 The Square
Temple Quay
Bristol
BS1 6PN

4 Transfer of Permit

The permitted operator who wishes to transfer the whole or part of the permit to a person who proposes to carry out the activity in the holder's place may do so in accordance with Regulation 21. Both the operator and the proposed transferee shall jointly make an application to the regulator to effect the transfer. An application shall include the permit and any fee prescribed in respect of the transfer under Regulation 19 and shall contain the operator's and the proposed transferee's contact details.

5 Notification of Proposed Change of Operation

If the operator proposes to make a change in operation of the installation, they must, at least 14 days before making the change notify the regulator in writing. The notification must contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. Change of operation means a change in the nature of functioning, or an extension, of the installation, which may have consequences for the environment.

6 Variation of Conditions of Permits

Under Regulation 20, the operator may apply to the regulator to vary the conditions contained within the permit. Such application shall be made in accordance with Part 1 of Schedule 5 and shall be accompanied by any fee prescribed in respect of the application under Regulation 19; and paragraphs 8 of Part 1 of Schedule 5 and paragraphs 5(3) and (4) of schedule 5 shall have effect with respect to such applications.

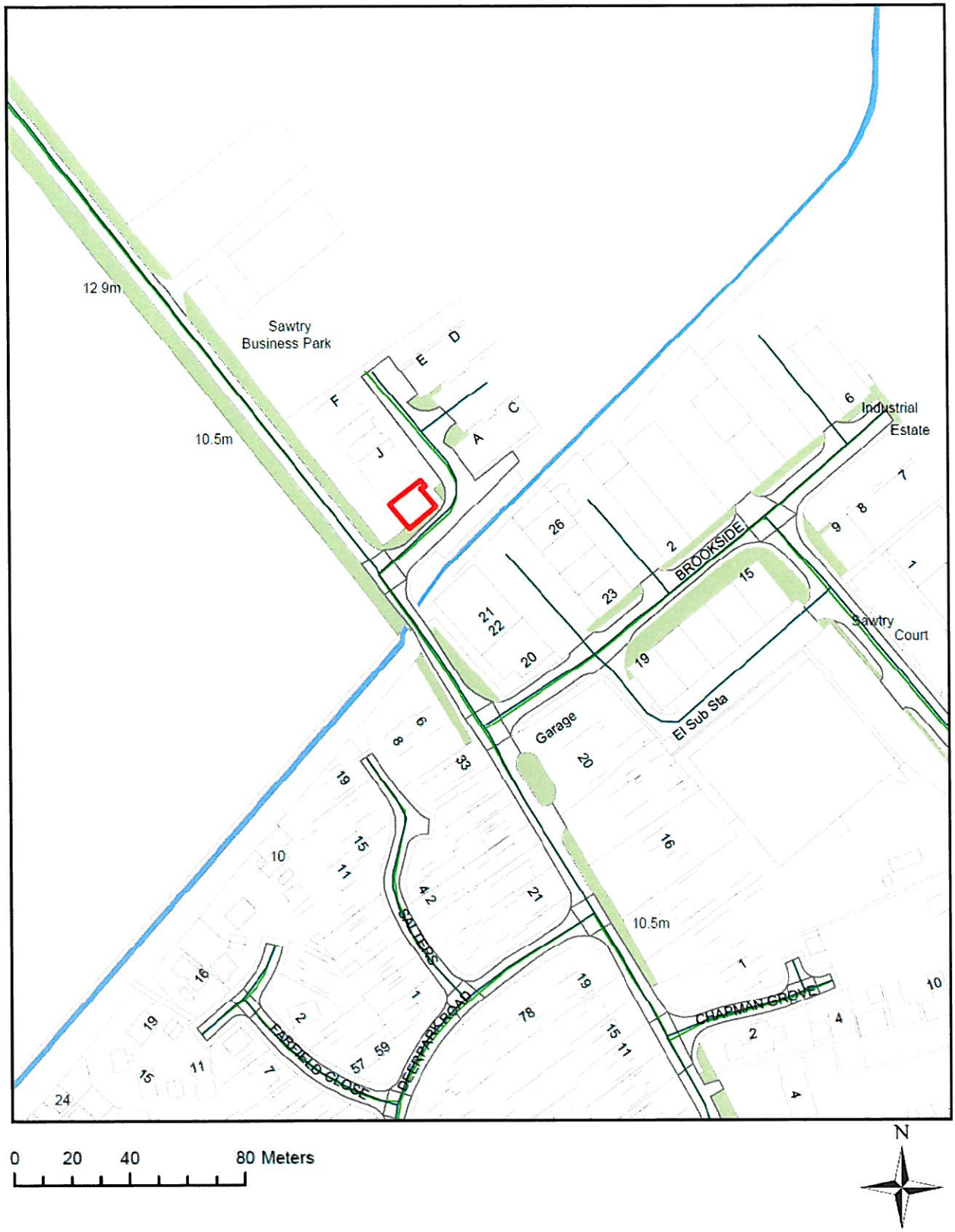
7 Other Legal Requirements

This permit is issued solely for the purpose of the Pollution Prevention and Control Act and its associated Regulations and the operator must ensure that he complies with all other statutory requirements.

8 Annual Subsistence Charge

The Secretary of State has drawn up a charging scheme under Regulation 19. Under this scheme Local Authorities are required to levy an annual subsistence charge related to the permit. The Local Authority will invoice for the amount due which is subject to annual review by the Department of the Environment Food and Rural Affairs.

BX/09(a) Location plan



T. W. GARMENT CARE

WEEKLY PERC CONSUMPTION RECORD

WEEK ENDING :

TARGET : PERC = 80 KG PER LITRE

LOADS	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY		SUNDAY	
	KG	PRGM	KG	PRGM	KG	PRGM	KG	PRGM	KG	PRGM	KG	PRGM	KG	PRGM
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
TOTALS		+		+		+		+		+		+		

THIS WEEK	T1= LTRS	(F)	LAST WEEK (E) = LTRS		WEEKLY TOTAL weight cleaned =		KG (C)
	T2= LTRS		ADDED = LTRS		THIS WEEK USED =		Ltrs (D)
(E) THIS WEEK = LTRS			TOTAL = LTRS (A)		DIVIDE (C) by (D) =		KG per Litre
			LESS = LTRS (B)				
		THIS WEEK USED = LTRS (D)					

T. W. GARMENT CARE

MONTHLY INVENTORY SHEET

DATE :

WEEK ENDING / WEEK NO.

WEIGHT OF WORK PROCESSED (kg)

MONTHLY TOTAL WEIGHT kg
a

SOLVENT USED (litres)

MONTHLY TOTAL litres
c

ESTIMATED STILL RESIDUE FOR MONTH (litres)

d	

STILL TYPE / ALLOWANCE FACTOR

METHOD OF STILL CLEANING		WASTE ALLOWANCE FACTOR	TOTAL	ALLOWANCE
		e	d	f = e x d
MANUAL RAKE OUT		0.15		

NOMINAL MONTHLY SOLVENT USE	LITRES	g = c - f	

SOLVENT EMISSION CALCULATION

TYPE OF SOLVENT		FACTOR : SPE-CIFIC GRAVITY OF SOLVENT	WEIGHT OF WORK / LITRE OF SOLVENT	SOLVENT EMITTED SHOULD BE 20g/kg OR LESS	WEIGHT OF SOLVENT USED
		(g/l)	(kg / l)	g/ kg	(kg)
		h	j = a / g	k =a / g	b =g x (h/1000
PERC		1600			

SOLVENT USAGE CHECK

ANNUAL INVENTORY SHEET SOLVENT MANAGEMENT PLAN
SINGLE MACHINE

SITE UNIT L SAWTRY BUSINESS PARK SAWTRY CAMBRIDGESHIRE PE28 5GQ

MONTH AND YEAR	MONTHLY WEIGHT OF WORK PROC-ESSED	MONTHLY WEIGHT OF SOLVENT USED	MONTHLY SOL-VENT EMITTED PER KG OF WORK PROC-ESSED	ESTIMATED STILL RESIDUE
	a	b	l = b x 1000/a	
	(kg)	(kg)	(g / kg)	LITRES
ANNUAL TOTALS				
	n	= TOTAL b		

ANNUAL SPOT CLEANING CORREC-TION FACTOR
m
kg

TOTAL ANNUAL WEIGHT OF SOLVENT USED
p
=TOTAL b ÷ m
kg

ANNUAL RESULT

ANNUAL TOTAL OF SOL-VENT EMITTED PER KGOF WORK PROCESSED
q
= p x 1000 / n
g / kg

AMOUNT OF WORK RE-QUIRED TO COMPLY WITH REGULATIONS (kg)	

COMPLIES WITH REGULATIONS ?	

B06/09(c) maintenance schedules

MACHINE MAINTENANCE CHECKLIST
INITIAL TO CONFIRM WORK CARRIED OUT

MONTH DEC REF. 003

	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	27	28	29	30	31
DAILY																															
DETERGENT LEVEL																															
DRAIN 2nd SEPARATOR																															
WEEKLY																															
STILL CLEAN																															
WASH LINT SCREEN FOAM																															
CHECK AIR LUB OIL																															
CLEAN LINT STRAINER																															
WIPE DOOR GASKETS LOAD LINT STILL BUTTON																															
FILTER MAINTENANCE 20 LOADS																															
MONTHLY																															
CLEAN WATER SEPARATOR																															
DECO FILTER																															
WATER STRAINER																															
LEAK TEST MACHINE																															
6 MONTHLY																															
STILL SAFETY VALVE																															
YEARLY																															
FULL SERVICE																															

PPC DOC. CENTRE
12 JUN 2009
RECEIVED

MACHINE MAINTENANCE CHECKLIST

TICK TO CONFIRM LINT SCREEN / BUTTON TRAP AND SOLVENT CONDITION AND BALANCE HAVE BEEN CHECKED / CLEANED EACH LOAD

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
01												
02												
03												
04												
05												
06												
07												
08												
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