Hereby Permit

Grange Park Dry Cleaners, Unit 2 Wilks Walk, Grange Park, Northampton, NN4 5DL

To operate a Part B installation at

Grange Park Dry Cleaners, Unit 2 Wilks Walk, Grange Park, Northampton, NN4 5DL

Under the Provisions of

POLLUTION PREVENTION AND CONTROL ACT 1999
ENVIRONMENTAL PERMITTING (ENGLAND AND WALES) REGULATIONS 2010
(as amended)

Permit Reference Number

DC/02

Date Permit Issued

31st January 2014

Trevor Dixon
Team Leader - Environmental Protection
(Authorised to sign in behalf of South Northamptonshire Council)
INTRODUCTORY NOTE TO PERMIT

This introductory note does not form part of the permit

This Environmental Permit (The Permit) is issued by South Northamptonshire Council (the Council) under Regulation 13(1) of the Environmental Permitting (England and Wales) Regulations 2010 (the EP Regulations) (S.I. 2010 No.675) (as amended), to operate an installation prescribed in those Regulations, to the extent specified in the conditions of this permit.

The requirements of this Permit shall be effective from the date of service unless otherwise specified within the Permit. Where a Variation Notice has been served the conditions contained within that Variation Notice shall be effective from the date that the Notice is served, unless a specific implementation date is allocated to specific conditions.

For the purpose of this permit the legal operator of the installation is Grange Park Dry Cleaners, Unit 2, Wilks Walk, Grange Park, Northampton, NN4 5DL

STATUS LOG

<table>
<thead>
<tr>
<th>Detail</th>
<th>Reference Number</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Received</td>
<td>78/6.4/02</td>
<td>09/07/2012</td>
</tr>
<tr>
<td>Application Duly Made</td>
<td>78/6.4/02</td>
<td>18/07/2012</td>
</tr>
<tr>
<td>Permit</td>
<td>78/6.4/02</td>
<td>04/09/2012</td>
</tr>
<tr>
<td>Variation Notice and DC/02</td>
<td>DC/02</td>
<td>31/01/2014</td>
</tr>
</tbody>
</table>

DESCRIPTION OF INSTALLATION

The above named company is permitted to operate a dry cleaning installation within the installation boundary, being the area shown outlined in yellow on the site plan DC/02 in Appendix 1 to this permit containing the dry cleaning machine detailed below; and a site layout plan of the installation as reproduced in Appendix 2 to this permit.

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Serial number</th>
<th>Load capacity</th>
<th>Date of installation</th>
<th>Dry cleaning solvent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renzacci</td>
<td>Planet 35</td>
<td>19807-2005</td>
<td>17kg</td>
<td>13/03/05</td>
<td>Perchloroethylene D++</td>
</tr>
</tbody>
</table>

The machine is a refrigerated closed circuit type.

Items to be cleaned are received at the installation ticketed, checked for foreign bodies, loose items and sorted by colour and material. Sorting of the materials and colours permits the optimum loads to made up to minimise solvent consumption.
The items are then spot cleaned as necessary using solutions supplied by a specialist company. Prior to loading into the machine each load is weighed and a record of the weights is maintained. Weighing of the materials prevents overloading or underloading of the machine that will increase solvent consumption. Appropriate pre-set programmes for different materials are used to reduce solvent consumption. Care is taken during the loading and unloading of the machine to ensure that the door seal is not damaged.

Upon completion of the cleaning and drying cycle the items are removed from the machine. The primary and secondary dust slides and the button trap basket are checked and cleaned. The water separator is emptied and residues that have collected on the sill are removed and disposed of by a licensed waste contractor.

The prescribed substances are organic solvents.

This installation falls within the Environmental Permitting (England and Wales) Regulations 2010 (as amended) and refers to Industrial Emissions Directive. Table 1.1 identifies the specified activity permitted.

<table>
<thead>
<tr>
<th>Activity listed within Industrial Emissions Directive</th>
<th>Description of specified activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annex VII Part 1 (5) and Part 2 (11)</td>
<td>Any industrial or commercial activity using volatile organic compounds in an installation to clean garments, furnishings and similar consumer goods with the exception of the manual removal of stains and spots in the textile and clothing industry.</td>
</tr>
</tbody>
</table>
CONDITIONS

Emission Limits and Control

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 in accordance with condition 2 below. The 20 grams includes all organic solvents used within the installation e.g. dry cleaning solvent, water-proofing solutions and spot cleaning solutions.

Monitoring, Sampling and Measurement of Emissions

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. The solvent management balance sheet for dry cleaning Installations in Appendix 3 can be used to demonstrate compliance with this condition and condition 1 above.

Process Controls

3. The operator (or a suitably qualified engineer), shall implement the schedule of procedure, checks and maintenance requirements to the Renzacci Planet 35 series number 19807-2005 as detailed at Appendix 4 of this Permit.

4. If the operator proposes to make a change in operation of the installation, he must, at least 14 days before making the change, notify South Northamptonshire Council 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 an effect on emissions of VOC from the installation, in particular to the matters listed in condition 3 above.

5. All operating staff must be aware of the location of the operating manual for each dry cleaning machine and have ready access to it.

6. All operating staff must be trained in the operation of the dry cleaning machine and the control and use of dry cleaning solvents. The training received must be recorded in accordance with condition 26.

7. The Renzacci Planet 5 series number 19807-2005, shall be installed and operated in accordance with the manufacturer’s instructions so as to minimise the release of organic solvents to air, land or 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; and
   b. adjust the process or activity so as to minimise those emissions; and
   c. promptly record the events and actions taken in a log book as reproduced in Appendix 5 of this permit.
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, or threatens to cause an immediate significant adverse effect upon the environment, operation of the activity shall be suspended and South Northamptonshire Council Environment Division informed within 24 hours.

10. The Renzacci Planet 5 series number 19807-2005, shall only be operated as full as the type of materials to be cleaned will allow.

11. Where cleaning solvents containing VOC are not received in bulk they shall be stored:
   a. in the containers they were supplied in with the lid securely fastened at all times other than when in use; and
   b. within spillage collectors, of suitable size, made of impervious and corrosion-proof materials; and
   c. away from any drains which may be contaminated as a result of spillage; and
   d. away from sources of heat and bright light; and
   e. 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 ready 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 only be carried out if no other method of treating a particular stain on the material to be cleaned is available.

14. The loading door of the dry cleaning machine Renzacci Planet 5 series number 19807-2005, shall be kept closed when not in use.

15. The loading door of the dry cleaning machine Renzacci Planet 5 series number 19807-2005, shall be closed prior to the start-up of the machine and kept closed at all times during the drying and cleaning cycles.

16. The still, button trap and lint filter doors of the dry cleaning machine Renzacci Planet 5 series number 19807-2005, shall be closed prior to the start-up of the machine and kept closed at all times during the drying and cleaning cycles.

17. The still shall have a thermostatic control device or equivalent with which the operator can set a maximum temperature in accordance with the manufacturer’s written instructions for the solvent used.

18. The heat source shall automatically switch off at the end of the distillation process.
19. The dry cleaning machine Renzacci Planet 5 series number 19807-2005 shall have a spillage tray with a volume greater than 110% of the volume of the largest single tank within the machine.

20. 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 those handle 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 that may become contaminated with residues in the event of a spillage; and
   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 must be held on site and be quickly accessible in all solvent handling and storage areas.

23. Spares and consumables, in particular, those subject to continual wear shall be held on site or be available at short notice from guaranteed suppliers so that plant breakdowns can be rectified rapidly.

General Conditions

24. 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.

Records

25. The operator shall maintain records as reproduced in Appendix 6, incorporating details all maintenance, testing and repair work carried out on both the dry cleaning machine and the scales used to weigh the loads, along with details of training required under condition 6. The records shall be kept for a period of not less than 12 months and be made available for examination by any duly authorised officer of South Northamptonshire Council within 7 days of such a request.

End of Permit Conditions
ADDITIONAL INFORMATION

This note does not comprise part of permit DC/02 but contains guidance relevant to the said permit.

DEFRA guidance on the Local Authority Pollution Control regime consists of:

- a statutory General Guidance Manual which sets out the procedures and policy
- statutory process guidance (PG) notes which set out the Secretary of State’s view on what constitutes Best Available Techniques for each of the main sectors regulated to control their air emissions (so-called “Part B” activities)
- a set of additional guidance (AQ) notes covering various other issues

The General Guidance Manual is the principal guidance issued by the Secretary of State for Environment, Food and Rural Affairs and Welsh Ministers on the operation of the following pollution control regimes regulated by local authorities:

- Local Authority Integrated Pollution Prevention and Control (LAIPPC), which covers what are known as A2 installations
- Local Authority Pollution Prevention and Control (LAPPC), which covers what are known as Part B installations.

The detailed legal requirements for installations covered by LA-IPPC and LAPPC are contained in the Environmental Permitting Regulations 2010

The General Guidance Manual, PG notes, AQ notes and the Environmental Permitting Regulations 2010 are available on the DEFRA website: www.defra.gov.uk or by telephoning DEFRA publication on 0870 600 5522.

Inspections

Regular inspections will be made by officers of South Northamptonshire Council (without prior notice), in order to check and ensure full compliance with this permit.

Health and Safety at Work and Other Statutory Requirements

Compliance with this permit does not necessarily infer compliance with any other legislation.

Notification of Operation Changes

The operator will be liable to prosecution if they operate otherwise than in accordance with the conditions and plant described in this permit.

The operator shall contact the regulator to discuss any proposed changes.
**BAT (Best Available Techniques)**

The IPPC Directive defines "best available techniques" as follows:

"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:

- "best" shall mean most effective in achieving a high general level of protection if the environment as a whole.
- "available" techniques shall mean those developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the costs and advantages, whether or not the techniques are used or produced inside the Member State in question, as long as they are reasonably accessible to the operator.
- "techniques" shall include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

In determining the best available techniques, special consideration should be given to the items listed in Annex IV of the Directive.

**Enforcement**

You will be liable for prosecution if you fail to comply with the conditions of this permit. If found guilty, the maximum penalty for each offence if prosecuted in a Magistrates Court is £50,000 and/or 6 months imprisonment. In a Crown Court it is an unlimited fine and/or 5 years imprisonment.

Our enforcement of your permit will be in accordance with the Regulator's compliance Code.

**Annual Subsistence Charge**

A subsistence charge is payable on the 1st April each year. An invoice will be issued by the regulator providing further details of how to pay. The charges are based on a risk based system. Details of the risk assessment can be found on the DEFRA Web Site.
Right to appeal

You have the right of appeal against this permit within 6 months of the date of the decision to the Secretary of State for Environment, Food & Rural Affairs. Appeals must be sent 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
Tel: 0117 372 8726
Fax: 0117 372 8139

Guidance on the appeal procedure is available at: www.planningportal.gov.uk

You will normally be expected to pay your own expenses during an appeal.

Enforcing Authority

The enforcing authority for the purposes of this permit is South Northamptonshire Council. The address of that authority is as follows:

South Northamptonshire Council
Springfields
Towcester
Northants NN12 6AE

All correspondence should be marked for the attention of the Environmental Protection Team.

Telephone: 01327 322323
Email: environmental.protection@southnorthants.gov.uk
APPENDIX 2
SITE PLAN

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APPENDIX 3
WEEKLY, MONTHLY AND YEARLY INVENTORY SHEETS

Weekly Inventory Sheet

Shop Name: Grange Park Dry Cleaners Week Ending: 

Machine Number: 

Machine Capacity: 

<table>
<thead>
<tr>
<th>Load Number</th>
<th>Monday Kg</th>
<th>Tuesday Kg</th>
<th>Wednesday Kg</th>
<th>Thursday Kg</th>
<th>Friday Kg</th>
<th>Saturday Kg</th>
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<tr>
<td><strong>Total Kg</strong></td>
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</tbody>
</table>

Total kg cleaned this week: 

At the end of each week complete the following:

<table>
<thead>
<tr>
<th></th>
<th>Solvent in machine at the beginning of the week</th>
<th>Litres</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Solvent additions during the week</td>
<td>Litres</td>
</tr>
<tr>
<td>C</td>
<td>Solvent in the machine at the end of the week</td>
<td>Litres</td>
</tr>
<tr>
<td>D</td>
<td>Solvent used = A + B - C</td>
<td>Litres</td>
</tr>
<tr>
<td>E</td>
<td>Total Kg cleaned this week</td>
<td>Kg</td>
</tr>
<tr>
<td>F</td>
<td>Kilos per litre = E / D</td>
<td>Kg/Litre</td>
</tr>
</tbody>
</table>

SED Target for work processed per litre of solvent:
60kg for Perkline – 50kg for Hydrocarbon
## Monthly Solvent Usage Log

**Shop Name:** Grange Park Dry Cleaners  
**Month:** 

**Machine Number:**  
**Machine Capacity:** 

### Weight of work

<table>
<thead>
<tr>
<th>Week ending</th>
<th>Weight for week (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**Total weight for month** [Kg]

### Waste

Note: You receive an allowance for solvent that is recovered from still residues. Auto pump out machines have an allowance of 60% and manually raked out machines 15%. For an auto pump out machine you are allowed 60 litres of solvent for every 100 litres of waste. For a manually raked out machine you would be allowed 15 litres. Enter the relevant factor for your machine i.e. 0.6 or 0.15 in the "Waste Allowance Factor" box below.

### Solvent usage

Note: "Monthly Solvent Usage" is calculated by subtracting the "Solvent in Waste Allowance" from the amount of solvent used during the month. During some months the amount of waste allowance may exceed the solvent used. If this is the case enter the "Monthly Solvent Usage" as the figure you have calculated, even though this may give a negative amount. Over the year this anomaly will correct itself.

<table>
<thead>
<tr>
<th>New solvent stock (litres)</th>
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<tbody>
<tr>
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</table>

Note: Take this figure from last months sheet

<table>
<thead>
<tr>
<th>Solvent in waste allowance (litres)</th>
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<td></td>
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</table>

Note: Audit stock to obtain this figure

<table>
<thead>
<tr>
<th>Solvent stock at end of month (litres)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Solvent used during month (litres)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

Note: Obtain this figure from "Waste" section above

<table>
<thead>
<tr>
<th>Solvent in waste allowance (litres)</th>
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<tbody>
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<td></td>
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</table>

<table>
<thead>
<tr>
<th>Nominal monthly solvent usage (litres)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
Annual Solvent Usage Log

Shop Name: Grange Park Dry Cleaners Year:_______

Machine Number: ________________________________

Machine Capacity: _______________________________

<table>
<thead>
<tr>
<th>Month and year</th>
<th>Monthly weight of work processed</th>
<th>Nominal monthly solvent usage</th>
<th>Weight (Kg) of work per litre of solvent</th>
<th>Solvent emitted per Kg of work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A (Kg)</td>
<td>B (litres)</td>
<td>C = A / B</td>
<td>D = “factor” / C</td>
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Annual spot cleaning correction factor (see note 2)

Solvent emission conversion “factor” (see note 3)

<table>
<thead>
<tr>
<th>Total weight of work processed during year</th>
<th>Total solvent used during year</th>
<th>Weight (Kg) of work per litre of solvent</th>
<th>Solvent emitted per Kg of work</th>
</tr>
</thead>
<tbody>
<tr>
<td>E (Kg)</td>
<td>F (litres)</td>
<td>G = E / F</td>
<td>H = “factor” / G</td>
</tr>
</tbody>
</table>

Annual result

1. Refer to Regulations for more details.
2. If solvent borne spot cleaners are used, add 6.25 litres or actual solvent contact, as advised by Supplier.
3. The convert Kg/l of solvent emitted to g/Kg divide the “factor” by the “Weight of work per litre of solvent.”
4. The “factor” for the type of solvent needs to be entered in the box (Perc = 1600)
5. The right hand column provides the weight of solvent in grams emitted per Kg of work processed (g/Kg), this is needed to satisfy the legal requirement.
APPENDIX 4
SCHEDULE OF PROCEDURES – CHECKS AND MAINTENANCE

Daily leak tests:

- Cage door gasket;
- Button trap lid;
- Air duct inspection hatch;
- Filter seals;
- Lint filter;
- Main bearing seal;
- Vapour line;
- Filter dump valve;
- Fan housing inspection hatch;
- Heating coil battery;
- Still doors;
- Solvent tank site glasses; and
- Solvent pipe flanges.

Note: vapour leaks are best detected during the early stages of the drying cycle.

Weekly checks of common components:

- Drying and still thermostats;
- Level controls in the cage and still;
- The still pressure relief device;
- Draining line on the drum;
- By-passing of the lint filter, which may lead to blocking of the drying circuit; and
- Button trap functioning correctly and debris cannot pass the trap.

Common parts that may need replacement or cleaning:

- Door seals: wipe clean daily and replace annually;
- Button trap: clean sieve twice daily and after lint loads;
- Lint filter: clean twice daily;
- Water separator: drain and clean every two weeks; drain excess water daily;
- Solvent pump: check for leaks after repair or maintenance;
- Filters: drain spent cartridges in the machine overnight; check for leaks after replacement;
- Still: empty at least once per week; and
- Recovery condensers: clean condenser fins monthly.
## LOG BOOK

Grange Park Dry Cleaners, Unit 2 Wilks Walk, Grange Park, Northampton, NN4 5DW

<table>
<thead>
<tr>
<th>Date</th>
<th>Problem</th>
<th>Date reported</th>
<th>Action taken</th>
<th>Date</th>
<th>Signature</th>
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<tbody>
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REMEMBER FIRST AND LAST AIR FILTERS ARE VITAL TO PROPER FUNCTIONING OF YOUR MECHANICAL VENTILATION SYSTEM.

1. **Check all air filters (primary and secondary) for damage and replace if required**
2. **Remove and clean all air filters**
3. **Check air filter assembly and replace if necessary**
4. **Check all ducts for tightness and replace if necessary**
5. **Check and clean all air ducts**
6. **Check and clean all air intake vents**
7. **Check all air intakes for proper functioning**
8. **Check all air intakes for proper functioning**
9. **Check all air intakes for proper functioning**
10. **Check all air intakes for proper functioning**
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20. **Check all air intakes for proper functioning**
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22. **Check all air intakes for proper functioning**
23. **Check all air intakes for proper functioning**
24. **Check all air intakes for proper functioning**
25. **Check all air intakes for proper functioning**
26. **Check all air intakes for proper functioning**
27. **Check all air intakes for proper functioning**

**FOR COMPLETION BY ENGINEER**

**Additional Comments:**

**Machine Model:**

**Commissioning:**

**Inspection:**

**Date:**

**Signed:**

**Print:**

**For a copy of this sheet, please contact:**

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