

**Pollution Prevention and Control Act 1999  
Pollution Prevention and Control (England and Wales) Regulations 2000  
(as amended) Schedule 1**

<b>Permit Holder:</b>		<b>Grange Fencing Ltd</b>	
Home address of installation		Site 2 Halesfield 21 Telford TF7 4PA	
Registered Address of Company:		Halesfield 21 Telford TF7 4PA	

Grange Fencing Ltd is hereby permitted by the Borough of Telford & Wrekin to carry on a timber manufacturing installation under section 6.6 Part B of the Pollution Prevention and Control (England and Wales) Regulations 2000 (as amended) Schedule 1 (as amended) as described below and within the installation boundary as marked red on the attached plan reference PPC 005/2 and in accordance with the following conditions.

<b>Provenance</b>	<b>Date</b>
Permit 'deemed' application	1 April 2003
Permit issued	31 March 2004
Variation of Permit issued	None

Ref. No. PPC005

This permit consists of 15 numbered pages

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**Description of Activities**

**Definitions**

Authorised officer	means an officer authorised to carry out duties under the Pollution Prevention Control Act 1999 and subordinate regulations
Dust	means material less than 3mm in aerodynamic diameter
Installation	Any reference to an installation shall be taken to include mobile plant'.
Logbook	shall include any means of storage of the required information as agreed by the regulator
Operator	in relation to mobile plant is the person who has control over its operation and the mobile plant need not be in operation for there to be an operator. The operator must demonstrably have the authority and ability to ensure compliance with the permit.
Regulator	means the Borough of Telford & Wrekin and specifically the unit of this council having responsibility for pollution control regulation is the pollution Control Section whose address is Social Care, Darby House, PO Box 214, Telford, TF3 4LE.
Wood particles	includes wood powder, wood chips, sawdust, and composites such as chipboard and MDF.

## Description of Activities

**Activity 1. Manufacture of Timber Products**( The Permitted Activity prescribed under section 6.6 of Schedule 1, Pollution Prevention Control (England and Wales) Regulations 2000(as amended) as a Part B activity.

### Scope of the Activity –

- a) In this context the activity comprises the whole process from receipt of raw materials, production of intermediates to dispatch of finished products, including the treating, handling and storage of all materials and wastes relating to the process.
- b) The Installation is that contained within the Installation Boundary shown in Appendix 2, Plan PPC005/2

### Description of Activity 1.

Components are manufactured or repaired using raw material delivered to the Installation. The raw material is shaped using saws, sanders, milling machinery and other mechanical aids.

Sawdust produced by wood working operations is captured by local ventilation at work stations and the entrained dust ducted by local exhaust ventilation either to an external cyclone or to an internal bag filter unit. A capability remains of releases of fugitive emissions of wood dust not captured by the LEV system or escaping during handling of the stored wastes.

Dust collected by the cyclone drops into a sheeted container and this is collected, normally at two week intervals, by an external contractor.

The site of the installation is within an Industrial Estate though across its boundary on three sides is open woodland to which there is informal public access. At a distance of approximately 300 metres there is a high risk receptor consisting of a nursery school.

### Raw Materials used in Activity 1:

The following table lists the quantities of timber used on an annual basis within the permitted installation

**Table 1.1 – Raw material usage**

Raw Material	Volume (M <sup>3</sup> per annum)	Storage Type	Abatement
Machined timber	2600	Stockpile	LEV system & containment

Any sustained increase in the annual usage of these materials that in the opinion of the regulator results in detrimental consequences for the environment will require the operator to apply for a variation to the permit.

**Table 2.1 – Machinery used by Activity 1**

Row Number	Machinery	Machinery reference	Emission Point(s)	Pollutants	Abatement
1	A ducted LEV(001) exhaust system	Unknown	A	Particulate	Cyclone
2	Wadkin Crosscut Saw(No.1)	68832	A	Particulate	LEV(001)
3	Felder Thicknessor	D7-51	A	Particulate	LEV(001)
3	Wadkin Crosscut Saw(N0.2)	CD 1957	A	Particulate	LEV(001)
4	JKO Hauncher	2872	A	Particulate	LEV(001)
	JJ Smith Gang Mortiser	B 122	A	Particulate	LEV(001)
	Wadkin Crosscut Saw(No.3)	Unknown	A	Particulate	LEV(001)
	Wadkin Rip Saw(large)	671-111	A	Particulate	LEV(001)
	Wadkin Crosscut Saw((No.5)	BRA 538	A	Particulate	LEV(001)
	Wadkin Crosscut Saw((No.4)	L 821050	A	Particulate	LEV(001)
	De Crosscut Saw(N06)	002795	A	Particulate	LEV(001)
	Wadkin Band Saw	DR 259	A	Particulate	LEV(001)



	Bag filter	Unknown	N/A	Particulate	LEV(002)
	Stenner Re-saw	8625	N/A	Particulate	LEV(002)
	Wadkin 5 Cutter Moulder	0011089	N/A	Particulate	LEV(002)
	Fan	D9891	N/A	Particulate	LEV(002)
	Single mortisor	3116947	N/A	Particulate	Local
	Wadkin Bursgreen Spindle	BER3 73095	N/A	Particulate	Local

**Activity 2. The assembly of Timber Products** (an unscheduled non-polluting activity technically connected and directly associated with the Permitted Activity).

**Description of Activity 2.**

Most timber arrives as pre-machined components that are delivered to the Installation and stored before being assembled into fencing products using nail guns or nailing machines. Any release of wood particulate from this activity is considered insignificant.

The machinery used in this activity is described in table 2.1 following.

**Table 2.1. Machinery used in Activity 2,**

Machinery	Manufacturer	Number
Nail Guns	Duo-fast Ltd	80(approx)
Staplers	Duo-fast Ltd	20

## Permit Conditions

### Authorised Plant

- 1.0 The permissible plant or equipment to be used within the installation shall be that mentioned in Table 2 (above). No other plant or equipment shall be utilised without the written consent of the regulator.
- 1.1 Plant or equipment concerned with the prevention of emissions to atmosphere shall consist of that mentioned in Table 2 (above). No other abatement plant shall be used except where a formal application, in writing, has been submitted to, and approved by, the regulator.

### Emission Limits

- 2.0 There shall be no emission of visible dust as perceived by the Regulator beyond the boundary of the activity, marked on Appendix 2.
- 2.1 Emissions from the activity, other than steam or condensed water vapour, shall be free from persistent mist and free from persistent fume.
- 2.3 Emissions from any combustion process associated with the activity, including vehicle emissions, shall not in normal operation exceed the equivalent of Ringleman shade 1 as described in British Standard BS2742

### Emission Control

- 3.0. The installation shall be observed for the emission of visible dust across the Installation Boundary that is downwind of the Activity at least once on every day that the activity operates and timber is being sawn. A record of these observations shall be entered into the logbook.
- 3.1 In the event of a visible emission of dust seen crossing the installation boundary the activity responsible for the emission shall be immediately stopped, the cause investigated and remedial action taken. A record of the event shall be recorded in the log book and the Regulator promptly notified of the occurrence and the steps taken or being



taken to secure abatement. The process shall not restart until corrective action has been taken.

- 3.2 The surfaces of the ground and structures in close proximity to the cyclone of LEV system 1 shall be inspected weekly for deposits of wood dust and the results of the inspection recorded in the Logbook. Where accumulations of dusts are noted these shall be removed in accordance with a cleaning schedule supplied to the Regulator as required by condition 4.2.
- 3.3 A Logbook shall be established and maintained in which there shall be a record of all operations and actions taken in accordance with conditions (3.0), (3.1), (3.2), and (7.2). The record shall include the date, time, and name of the person making the entry and, where relevant, the weather conditions, source of emission, the point of observation and any detail required by a specific condition. These records shall be retained on site for a period of at least 2 years and be made available for inspection by the regulator when requested.
- 3.4 Wood dust likely to become entrained in the prevailing wind shall normally be moved by pneumatic or enclosed handling systems. Storage of the material collected by these systems shall be within a totally enclosed vehicle trailer.
- 3.5 The fabric of buildings used by the prescribed activity, the associated activity and dust arrestment plant shall be kept in a dust tight condition and all openings, gaps and holes caused by damage to the building shall be repaired as soon as practical.
- 3.6 Spillages of wood dust shall be promptly removed by vacuum cleaning and the collected materials stored in an enclosed container until removed from site.

3.7 All woodworking machines shall be connected to an operational LEV that effectively captures and carries wood dust to abatement equipment described in Table 2. Woodworking machines not being used shall be disconnected from their LEV system.

3.11 An audible/visual alarm shall be connected to the internal bag filter of LEV System 2 to give warning of the failure of this unit.

**Cleaning**

4.0 Spillages of wood dusts shall be removed promptly using an industrial grade vacuum cleaner.

4.1 Materials arising from activities carried on within the Installation that cannot be recycled shall be considered waste and shall be placed in covered containers.

4.2 The Operator shall prepare a schedule giving details of the cleaning of exterior surfaces including those of yards and gantries likely to be contaminated by wood particulates and this shall be forwarded to the Regulator within 28 days of issue of this permit.

**Maintenance**

5.1 Spares and consumables used by the activity shall be held on site or shall be available at short notice not to exceed 24 hours.

5.2 The Operator shall prepare a written plan for dealing with failure of plant listed in table 2. The plan shall deal with the emergency procedures to be undertaken in order to prevent emissions to atmosphere, spillage, containment and any remedial activities likely to be required. The plan shall be submitted to the Regulator within 3 months of issue of this permit and shall be updated from time to time as required by changes in procedure. A copy of the plan shall be kept with the logbook in accordance with the requirements of condition (3.3).

**Training**

6.1 Personnel operating all plant and equipment used in the activity shall receive the necessary formal training and instruction in their duties relating to control of the process and emissions to air. This shall be recorded and the record made available for inspection by an authorised officer from the enforcing authority. Records of training shall be retained until the trained person ceases to perform the relevant duties.

**Information**

7.0 If at any time the Operator proposes to change any aspect of the prescribed process described in Page 4 of this permit, or make any change likely to effect the type of substances or concentration of substances emitted to air, the Operator shall notify the Regulator of the intention at least 4 weeks before the changes are intended to take place.

7.1 The operator shall supply the regulator with the annual quantity of timber manufactured within 4 weeks of the end of an agreed 12 month accounting period.

7.2 At the written request from the regulator the operator shall arrange for deposition monitoring to be carried out at locations to be agreed with the regulator. The duration, methodology and extent of such monitoring shall be agreed with the regulator before the work starts. Results of this monitoring shall be submitted to the regulator within 14 days of completion and recorded in the log book kept in accordance with condition 3.3.

7.3 The Operator shall nominate a person authorised to receive and respond to all informal correspondence with the Regulator. He regulator shall be informed whenever there is a change in this position.

**Air Quality**

8.0 The Operator shall prepare a list of all emission points and related pollutant emissions to atmosphere based on Table

2(above). The Operator shall provide details(where known) of the emissions of those pollutants to atmosphere as a result of any sampling that may be carried out. Where sampling is not carried out, the Operator shall prepare an estimate of the emissions to atmosphere using data collected in accordance with this condition and based on the following criteria:

- ◆ Bag filters or cyclones are emitting particulate at a rate of 10mgm<sup>3</sup> during hours of operation.
- ◆ No correction for water content or atmospheric pressure need be made

The operator shall also supply details of the height of emission, efflux velocity, volume flow rate, the height of surrounding buildings and position of the emission on site. The results shall be tabulated and submitted in Microsoft Excel format and be sent to the following email address(or another to be specified by the regulator).

In relation to this permit, any reference to the 'Local Authority' or 'the regulator' shall mean the Borough of Telford Wrekin. Any information required by this authorisation to be sent to the Local Authority shall be sent to:

Environmental Health  
Borough of Telford and Wrekin  
Darby House  
P.O. Box 214  
Telford, TF3 4LE

Signed.....  
Pollution Control Officer

Date.....

Authorised by the Borough of Telford and Wrekin

To sign in that behalf

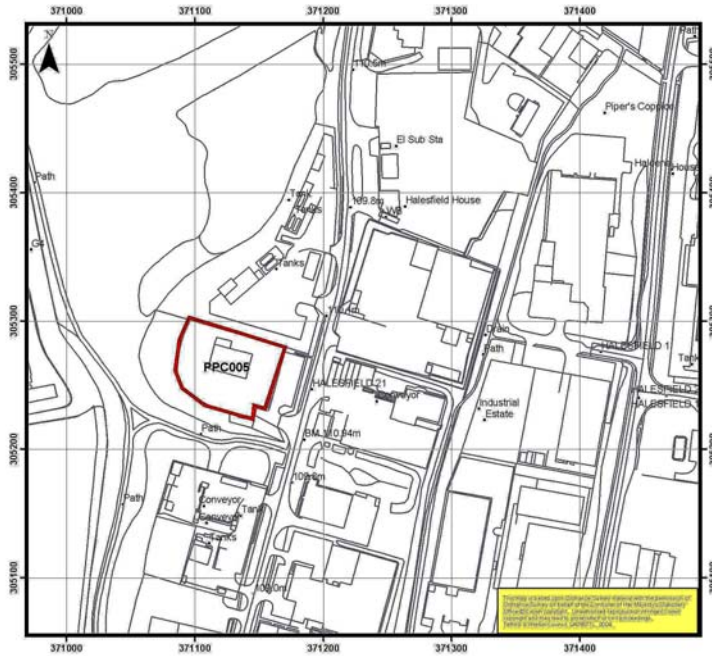
Borough of Telford and Wrekin  
P.O. Box 214  
Civic Offices  
Telford

TF3 4LE



Borough of  
**TELFORD**  
& WREKIN

**Appendix 1.**  
Location of Installation. Plan PPC005/1



Appendix 1



**Grange Fencing Ltd**  
**Site 2**  
**Halesfield 21**

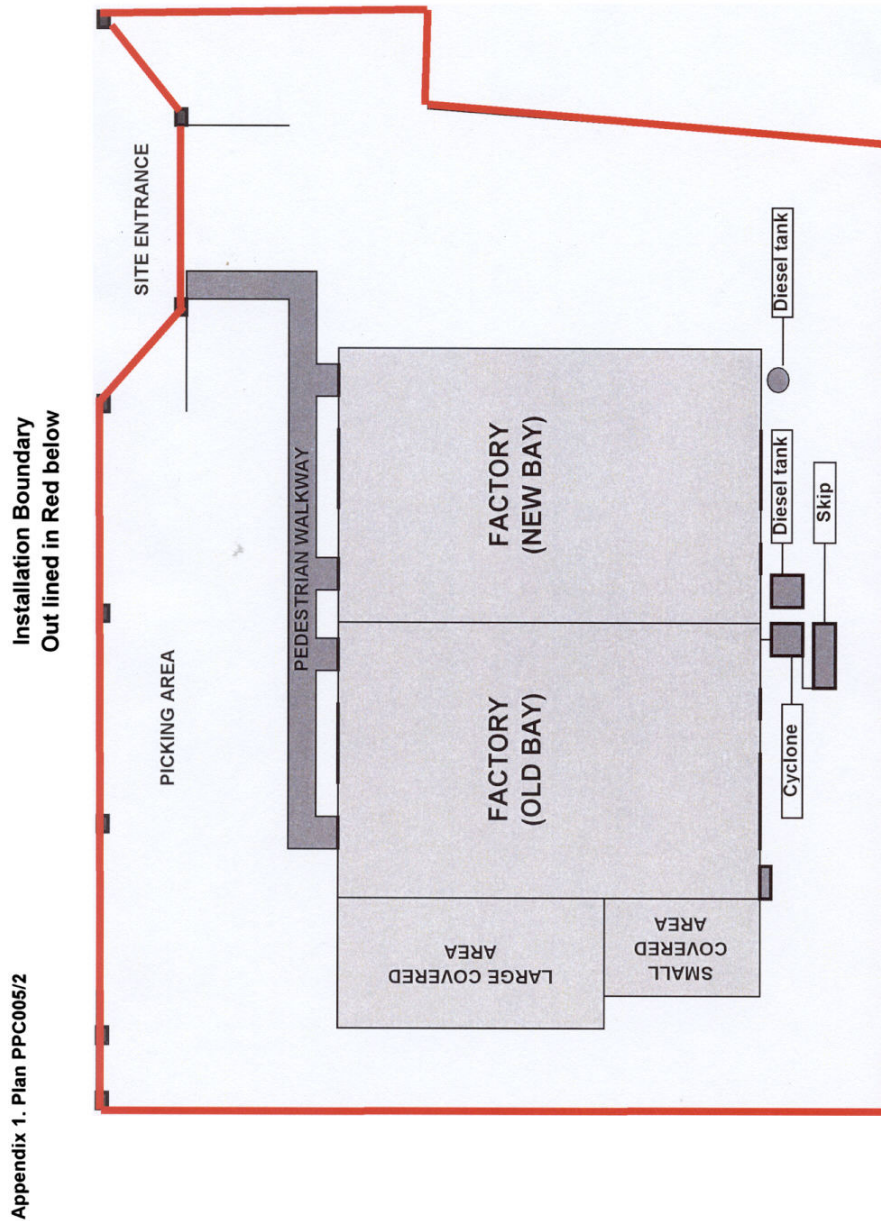
**Location Plan**  
**PPC 005/1**



Date: 23 February 2004 Drawn by: CLW

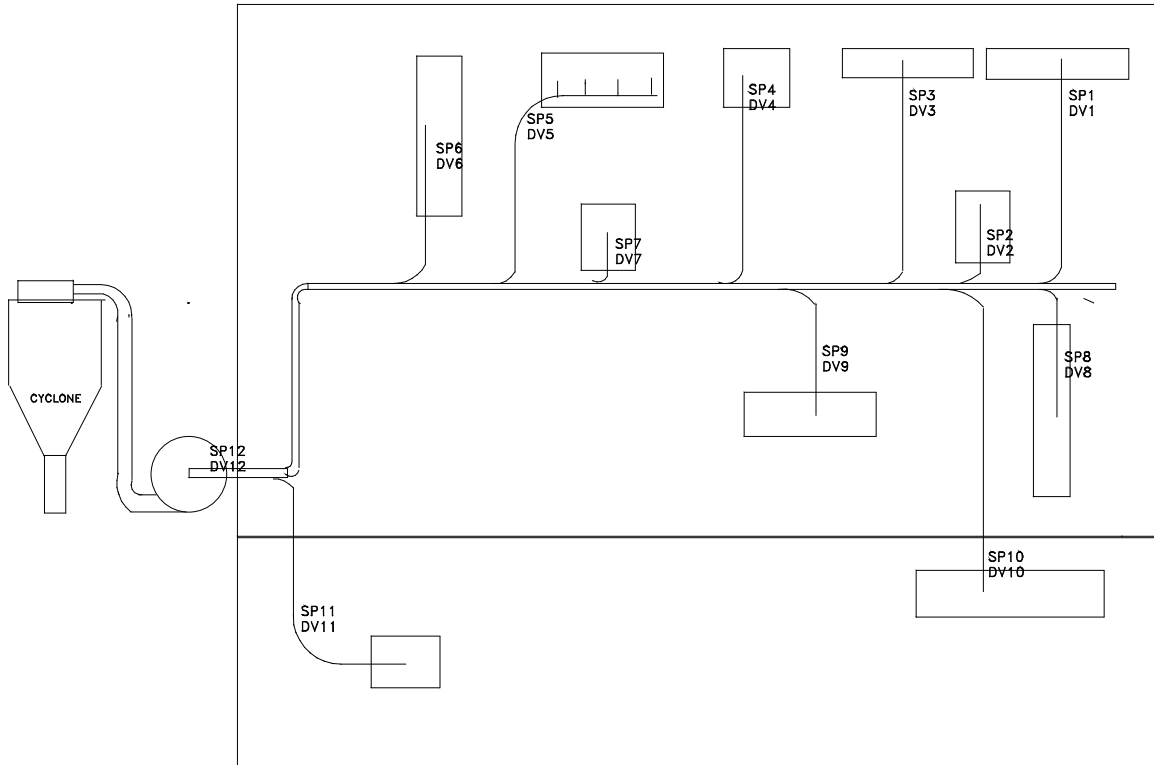
**Appendix 2.**  
Plan PPC005/2 Installation Boundary.

march 2004.

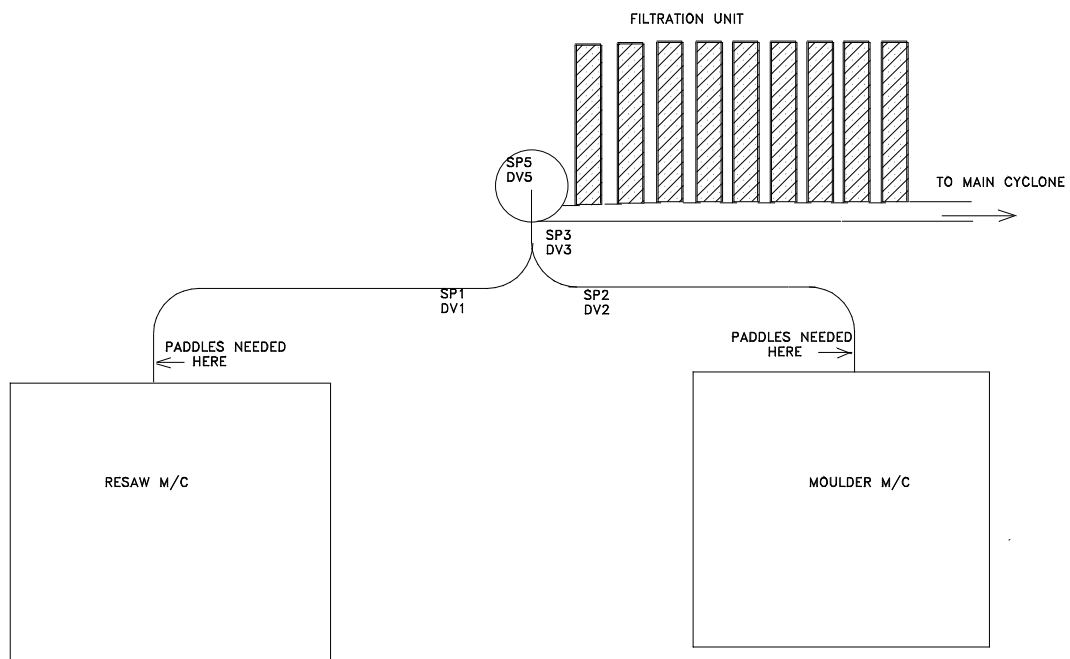




**Appendix 3. Plan PPC005/3 Local ventilation systems**  
a.LEV1



b)LEV 2





## **Appendix 5 EXPLANATORY NOTES**

### **These notes do not form part of the Permit**

1. You should note that section 12(10) of the Act provides that, relation to any aspect of the process not regulated by specific conditions within the permit the best available techniques shall be used such that:
  - a. All the appropriate preventative measures are taken against pollution, in particular through application of the best available techniques; and,
  - b. No significant pollution is caused.
2. Section 3(1) of the Regulations defines “BAT” as follows:
  - a. ‘available techniques’ means those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to the operator;
  - b. ‘best’ means , in relation to techniques, the most effective way of achieving a general high level of protection of the environment as a whole;
  - c. ‘techniques’ includes both technology used and the way in which the installation is designed, managed, operated and decommissioned.
3. The ready availability of essential spares and a written maintenance programme is covered by the specific condition 6.1.
4. This permit is given in relation to the requirements of Pollution Prevention and Control Act 1999 and subordinate regulations. It must not be taken to replace any responsibilities you may have under workplace health and safety legislation.
5. This permit, in that it regulated only air pollution matters, does not absolve you of the responsibility of any other statutory requirement, such as any need to obtain planning permission, hazardous substances consent or Building Regulations approval from the Council. Discharge consents from the local sewerage undertaker or a waste disposal licence from the Environment Agency may still be required.
6. This permit is covered by Secretary of State’s Guidance:  

PG6/2(95) “Manufacture of Timber and Wood-based products”	ISBN 0-11-753198-7
PG 6/2(003) Timber and wood based	Draft document

products”  
General Guidance Manual on Policy  
and Procedures for A2 and B  
Installations

ISBN – 0-85521-028-1

7. The operator will be liable to enforcement action where;
  - (a) a change is made (without approval of the regulator) to the activities as outlined in the ‘description of activities’ at the start of this permit,
  - (b) any of the activities are carried on outside the boundary of the installation,
  - (c) a new activity (as defined within the Pollution Prevention and Control (England and Wales) Regulations 2000 (as amended) is carried on without a proper permit, and
  - (d) any of the conditions of the permit are breached.
  
8. An annual fee due on 1<sup>st</sup> April each year (currently chargeable per activity per annum but subject to change by statutory instrument) is payable to the Borough of Telford and Wrekin. An invoice will be submitted by 1<sup>st</sup> March and payment should be made by 1<sup>st</sup> April. If the fee is not paid by the due date, a reminder letter will be sent stipulating a final deadline, if the fee remains unpaid after that deadline, then the permit will be revoked.
  
9. It is an offence to operate the a prescribed activity without a current permit.
  
10. If you are required to contact the Borough of Telford and Wrekin with emission problems please telephone 202509 between 9.00am and 5.15pm.