



**ENVIRONMENTAL PROTECTION ACT 1990
PART 1**

AUTHORISATION OF PROCESS

THIS IS TO CERTIFY THAT THE WASTE OIL BURNER

**at: R M SERVICES, JET PETROL STATION, DERBY ROAD
HATHERN, LOUGHBOROUGH**

National Grid Reference: SK499224

has been duly authorised in accordance with Section 6 of the Environmental Protection Act 1990 subject to the conditions outlined in this document.

Name of Operator: R M SERVICES

**Registered Office JET PETROL STATION, DERBY ROAD, HATHERN
LOUGHBOROUGH, LEICESTERSHIRE**

This Authorisation shall apply only to the premises occupied by the applicant, as specified and described in the Application for Authorisation submitted to the Borough of Charnwood. This Authorisation, consisting of nine pages, shall be subject to replacement, variation or amendment, as may be considered appropriate by the Borough of Charnwood, at any time, according to provisions of sections 6(6), 7 and 10 of the Environmental Protection Act 1990.

The conditions contained herein shall apply from the date of Authorisation unless otherwise stated.

Refer to Variation Notice No 008/99

Dated:.....

Director of Corporate & Environmental Services

*Corporate & Environmental Services
Macaulay House 5 Cattle Market
Loughborough, LE12 3DH*

AUTHORISATION

R M SERVICES, JET PETROL STATION, DERBY ROAD, HATHERN,, LEICESTERSHIRE

1.0 Description of Authorised Process

1.1 Purpose

The purpose of the plant is to provide space heating by the combustion of waste hydrocarbon-based oils which have arisen from the draining of engine sumps, gear boxes, or other lubrication systems.

The net rated thermal input of the appliance is less than 0.4MW.

1.2 Plant Detail

The appliance is located to the rear of the Jet Petrol Station, Derby Road, Hathern, Loughborough, Leicestershire.

The appliance is manufactured by Powermatic and is the AT 350(1) model which has a net rated thermal input of 0.13MW.

The principal emissions of the appliance are flue gases which are emitted from a 7.1m high stack.

1.3 Plant Operation

The waste oil is collected from local garages and stored in 45 gallon containers outside the unit.. Waste oil is then pumped to the burner which is situated inside the workshop.

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AUTHORISATION

2.0 Fuels and Appliance

2.1 Only hydrocarbon based oils arising from the draining of engines, gearboxes and other lubrication systems at the premises' address to which this Authorisation applies shall be burned on the appliance.

The following shall at no time be burned on the appliance:-

- i) any halogenated materials
- ii) polycyclic or polyaromatic compounds arising other than by use as a lubricating oil
- iii) low temperature flashpoint fuels, oils, or solvents (less than 40°C determined by the Pensky-Marten closed cup method).
- iv) surface coating materials, e.g. paint.

2.2 Where it is proposed to burn waste oil which has not arisen at the above named premises to which this Authorisation applies, Charnwood Borough Council shall be notified, and no such oils shall be delivered to the premises until this Authorisation has been varied (as necessary).

2.3 Where any modification to the combustion appliance is intended, with the exception of the fitting of standard replacement parts, details of the modification shall be notified to Charnwood Borough Council and approval obtained prior to the modification being undertaken.

AUTHORISATION

3.0 Emissions Limits and Controls

- 3.1 All emissions to air shall be free from visible smoke and in any event shall not exceed the equivalent of Ringelmann Shade 1 as described in British Standard BS.2742:1969. In the case of lighting from cold, emissions of smoke shall not exceed Ringelmann Shade 1 for more than 10 minutes.
- [3.1a Where waste oil which has not arisen at the above premises is burned, the concentration of PCBs in the fuel shall not exceed 10ppm.]

AUTHORISATION

4.0 Emission Monitoring

4.1 Where the operator observes smoke emissions which contravene the requirements of condition 3.1 above, the operator shall record the date and time that the emission occurred in a log book. Records of such emissions shall be retained for a minimum of two years.

[4.1a No waste oil which has not arisen at the above premises shall be burned unless a certificate of analysis has been submitted to the local enforcing authority giving details of the concentration of PCB's in the oil. Such a certificate shall be submitted at least every three months where the oil supplier remains constant, and as soon as possible (within no more than two weeks) following a change in oil supplier.]

AUTHORISATION

5.0 Process Controls

- 5.1 Where smoke emissions occur, with the exception of the allowance for lighting from cold in condition 3.1 above, the appliance shall be switched off and the cause identified and rectified before the appliance is re-lit.
- 5.2 The appliance, including the fuel feed system and chimney, shall be thoroughly inspected once a week to ensure that there are no defects which could lead to excessive smoke emissions. The weekly examination shall include an assessment of the smoke emission from the appliance during lighting from cold and in normal operation.
- [5..2a If the appliance is only operated during the winter months, it need only be inspected during periods of operation and prior to lighting after a period of disuse longer than one week]
- 5.3 The handling and storage of waste oil shall be carried out to minimise the emission of odorous vapours to the air. Storage tank vents shall be sited to minimise the risk of odour nuisance to occupiers of the vicinity.
- 5.4 The appliance shall only be refuelled when cold. (Unless specifically designed for feeding or re-fuelling while burning).
- 5.5 The appliance shall be cleaned and ash shall be removed in accordance with the manufacturer's instructions for that appliance.
- 5.6 Clear instructions shall be available at all times on or near the appliance detailing the correct operation and maintenance of the equipment.
- 5.7 The appliance shall be serviced regularly in accordance with the manufacturer's instructions. Suitable precautions shall be taken in the handling and disposal of ash, dust or other residues to minimise any emission to atmosphere.

The materials shall be collected, contained and transported in sealed bags or other dust-tight containers.

AUTHORISATION

6.0 Chimney

- 6.1 The appliance shall be permanently ducted to a chimney which shall terminate at 7.1 metres above ground level.

Note: The minimum chimney height shall normally be 3m above any adjacent area to which there is general access or any opening windows within 20m.

The chimney height shall be at least 1m above the height of the roof ridge of any building within 20m.

In no circumstances should the chimney height be less than 6m above ground level.

- 6.2 The chimney shall discharge vertically upwards and shall not be fitted with any restriction at the final opening, such as a plate, cap or cowl.

AUTHORISATION

7.0 General Operations

- 7.1 All staff who are nominated to operate the appliance shall be trained in and fully conversant with its operation, especially in the correct procedure for lighting the appliance from cold. Only nominated persons shall operate the appliance.
- 7.2 A supply of a suitable oil-absorbent material shall be maintained on the site, and any liquid spillages shall be cleaned up immediately.

EXPLANATORY NOTES

These notes do not comprise part of Authorisation Serial No.007 but contain guidance relevant to the Authorisation.

1. You should note that Section 7(4) of the Act provides that, in relation to any aspect of the process not regulated by Conditions 2.1 to 7.2 the best available techniques not entailing excessive cost shall be used.
 - (a) For preventing the release of substances prescribed for air into the air or, where that is not practicable by such means, for reducing the release into the air of such substances to a minimum and for rendering harmless any such substances which are so released, and
 - (b) For rendering harmless any other substances which might cause harm if released into the air.

Section 7(10) of the Act describes 'BATNEEC' as including in addition to technical means and technology, the number, qualification, training and supervision of persons employed in the process and the design, construction, layout and maintenance of the buildings in which the process is carried on.

2. This Authorisation is issued under Part I of The Environmental Protection Act 1990. The responsibility you have under legislation for Health, Safety and Welfare in the workplace remain in force. In addition, the Authorisation does not relieve you of your obligations to obtain planning permission, hazardous substances consent, discharge consent from the National Rivers Authority, Building Regulations approval, or a Waste Disposal licence.
3. Any proposed 'relevant change' in the process (within the meaning of Section 11(11) of the Act) shall be notified to the Charnwood Borough Council as required by Section 7(8)(b) of the Act.