

STAFF COPY



MALDON DISTRICT
COUNCIL

PERMIT – MLD/PPC/52/08

**POLLUTION PREVENTION & CONTROL ACT 1999
THE POLLUTION PREVENTION & CONTROL (ENGLAND & WALES)
REGULATIONS 2000 (AS AMENDED)**

INSTALLATION ADDRESS

Maldon Demolition Limited
Station Road
Maldon
Essex
CM9 7LQ

CURRENT OPERATOR

Maldon Demolition Limited
Station Road
Maldon
Essex
CM9 7LQ

PREVIOUS OPERATOR

N/A

PPC PERMIT ISSUED

29th February 2008

This covering page does not form part of the permit

Pollution Prevention & Control Act 1999
The Pollution Prevention & Control (England and Wales) Regulations 2000 (as amended)

PERMIT TO OPERATE A MOBILE CRUSHING AND SCREENING PROCESS

Maldon Demolition Limited, Station Road, Maldon, Essex, CM9 7LQ

Permit Reference Number MLD/PPC/52/08

Maldon District Council ('The Council') in accordance with Section 2 Schedule 1 of the Pollution Prevention and Control Act 1999 ('the 1999 Act') and Section 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 ('the 2000 Regulations') has determined the deemed application dated 27th of February 2008 from *Maldon Demolition Limited*. ('The Operator'), whose principal place of business is

Maldon Demolition Limited, Station Road, Maldon, Essex, CM9 7LQ

and hereby permits the Operator to carry on the following activity, namely "**(c) The crushing, grinding or other size reduction, with machinery designed for that purpose, of bricks, tiles or concrete.**

(d) Screening the product of any activity described in paragraph (c)" which is ("the Permitted Installation") prescribed in paragraphs (c) and (d) of Part B of Section 3.5 of Schedule 1 to the 2000 Regulations, at the premises occupied by the Operator at

Maldon Demolition Limited, Station Road, Maldon, Essex, CM9 7LQ

using those process units and plant detailed in accordance with the description summarised on page 2, subject to the conditions on pages 4-8 and located within the installation boundary shown in red on page 10 (unless working off-site).

This permit consists of 10 pages.

Signed


.....

Dave Addy, Environmental Health Officer

A person permitted to sign on behalf of the Council

Dated the 29th February 2008

Address for correspondence:
**Environment Services,
Maldon District Council,
Princes Road,
Maldon,
Essex,
CM9 5DL**

Fax number for notifications:
01621 875899

Email address for notifications:
environment.servicesrequest@maldon.gov.uk

Installation Description

The permitted installation is an Extec C12+ mobile concrete crusher and any associated screening plant. The concrete crusher model identification marks are: "Serial Number: 11785".

The above installation is used for the crushing, grinding or other size reduction, with machinery designed for that purpose, of bricks, tiles or concrete, and other mineral products as designated by regulation. Also screening of demolition material prior to crushing and any other pretreatment activity and the screening of the product. (Note that screening of demolition material without any crushing is not regulated by this Permit).

The construction of stockpiles of crushed and screened demolition arisings by the operator at the same site as the mobile plant, will be regulated by this Permit. On the other hand, the loading of crushed material into vehicles at a demolition site when undertaken by another contractor, will not be regulated by this Permit.

Legislation

1. The Pollution Prevention and Control Act 1999.
2. The Pollution Prevention and Control (England and Wales) Regulations 2000, SI 1973 (as amended).

Definitions

1. 'day' means any period of 24 consecutive hours commencing at midnight.
2. 'week' means any calendar week.
3. 'Operator' is defined in Regulation 2 of the 2000 Regulations.
4. 'Installation' is defined in Regulation 2 of the 2000 Regulations.
5. 'm' means metre.
6. 'mm' means millimetre.
7. 'logbook' means a diary or book that is suitable for recording all daily information as required by this permit.
8. 'Ringelmann Shade 1' is (for the purposes of this permit) the equivalent colour of light wood smoke.

References to substances released to air are defined in the Pollution Prevention and Control (England and Wales) Regulations 2000 Schedule 1 Part 2.

The substances are as follows:

- Oxides of sulphur and other sulphur compounds.
- Oxides of nitrogen and other nitrogen compounds.
- Oxides of carbon.
- Organic compounds and partial oxidation products.
- Metals, metalloids and their compounds.
- Asbestos (suspended particulate matter and fibres) glass fibres and mineral fibres.
- Halogens and their compounds.
- Phosphorous and its compounds.
- Particulate matter.

Scope

The Permitted Installation comprises the whole process including the treating, handling and storage of any materials used in and products and wastes produced by the process.

The relevant process guidance note for the installation – **Process Guidance Note 3/16 (04) Secretary of State's Guidance for Mobile Crushing and Screening** – is available from the Defra website:

<http://www.defra.gov.uk/environment/ppc/localauth/pubs/guidance/notes/pgnotes/pdf/minpg3-16.pdf>

Permit Prepared by: Dave Addy, Environmental Health Officer.
Tel. 01621 875863.
Fax. 01621 875899
dave.addy@maldon.gov.uk

Conditions

All conditions shall have immediate effect unless stated otherwise.

Emission Limits and Controls

1. No emissions of particulate matter from the permitted activity shall be visible crossing the site boundary or shall be visible more than 10 metres from crusher plant, conveyors or stockpiles.
2. No emissions to air from the permitted activity, other than condensed water vapour, shall be persistently visible. All such emissions shall be free from droplets.
3. No smoke darker than Ringelmann Shade 1, as described in BS2742:1969, shall be emitted from the permitted activity. Any smoke that is emitted from the permitted activity shall be visually assessed in the manner described in BS2742:1969. The results of this assessment shall be recorded in the log book.
4. There shall be no burning of material in the open air in connection with the permitted activity.

Assessment of Emissions and Necessary Remedial Action

5. Visual assessments for emissions of particulate matter from the crusher plant, from any associated screening plant and from any associated conveyor shall be made frequently, at least two (2) times per day. Such visual assessments are to be made at times when concrete or other dry material is being processed by the crusher plant. The results of these assessments shall be recorded in the log book.
6. Visual assessments for emissions of particulate matter from all stockpiles of material, except for materials that have already been screened to remove material under 3mm size, shall be made frequently and at least two (2) times per day. The results of these assessments shall be recorded in the log book.
7. Visual assessments for emissions of particulate matter from all access roadways including loading areas and vehicular parking and turning areas shall be made frequently and at least two (2) times per day. The results of these assessments shall be recorded in the log book.
8. Any visible dust emission identified as a result of the above assessments shall be investigated immediately, and prompt corrective action taken. Any such incident shall be recorded in the log book.
9. Where, in the opinion of the regulator, there is evidence of airborne dust from the permitted process being deposited off site, the operator shall investigate immediately, and promptly take any necessary corrective action. Any such incident shall be recorded in the log book.

Monitoring of airborne dust

10. Where in the opinion of the regulator there is evidence of airborne dust from the permitted process being deposited off site, the operator shall when required in writing, undertake monitoring to identify the source. Dust monitoring shall be by British Standard BS1747 Part 1 and, if required, shall be carried out at the same time as monitoring of wind direction. Such

monitoring shall be completed and results provided to the regulator within any reasonable timescale specified by the regulator.

Log Book

11. A log book shall be kept with the plant and shall contain details of:
 - a. all visual assessments of dust emissions;
 - b. any incidents of visible dust emission;
 - c. any monitoring;
 - d. all routine maintenance or ad-hoc inspections or testing of the plant;
 - e. any plant malfunction or breakdown;
 - f. staff training;
 - g. staff approved to operate the plant;
 - h. any complaints about the permitted process along with the results of the investigation and any remedial action.

12. The log book shall be kept with the plant at all times. The current or completed log books shall be retained with the plant for a minimum of two years. The operator shall make it available for examination by the regulator at all reasonable times.

13. The log book shall contain the following minimum information when the results of visual assessments, incidents of visible dust emission or monitoring are logged:
 - a. Date;
 - b. Time;
 - c. Wind and weather conditions;
 - d. Position of observations;
 - e. Name of observer; and
 - f. Assessment or monitoring results

14. Where incidents of visible dust emission or plant malfunction or breakdown are recorded in the log book, the information required above shall be supplemented by additional notes of the identified cause and the corrective/mitigation action taken.

15. The log book shall be clearly laid out and well maintained.

Materials Handling

16. All water suppression and water conditioning systems shall be connected to a constant supply of water, at an adequate pressure, which is available in all climatic conditions.
17. The discharge from the crusher and any associated screens onto conveyors or into any other equipment shall be enclosed to minimise dust emissions.
18. The last metre of any final size discharge conveyor or stockpile discharge conveyor and the first 0.5 metre of the free fall of materials from the conveyor shall be fitted with a full hood. Such hood/hoods shall be provided with water suppression equipment, unless the material being handled by the conveyor has already been screened to remove material under 3mm size. Water suppression equipment shall be in use at all times when dust releases are observed from these sources, or when otherwise necessary to control dust emissions.
19. All conveyors used to transport material that has not been screened to remove material under 3mm in size shall be enclosed at least on one side and above. Enclosures or screens shall include any transfer points between conveyors.

20. Water suppression equipment shall be provided to the feeding area of the concrete crusher and to the concrete crusher discharge conveyor. Water suppression equipment shall be in use at all times when dust releases are observed from these sources, or when otherwise necessary to control dust emissions.

Stockpiles and Ground Storage

21. Stockpiles shall be constructed and managed to minimise wind borne dust. Stockpiles shall be suitably profiled and, wherever possible, should be situated in sheltered areas of the site.
22. An earth bund shall be formed to the north and east of the normal installation boundary (marked on page 10 of this permit) within one month from the issue of this permit. If this bund does not prevent emissions to air from stockpiles, the operator must inform the Regulator within 7 days in order to discuss alternatives.
23. Water suppression equipment shall be provided so that stockpiled material can be conditioned with water as necessary. Water conditioning shall take place at all times in conditions where dust releases are observed from stockpiles, or when otherwise necessary to control dust emissions.
24. Loading to and from the stockpiles shall be carried out to minimise wind borne dust. The drop heights of materials shall be minimised, water suppression equipment shall be provided at or before the point of discharge from the conveyor and, where possible, loading shall take place at sheltered points around the stockpile. Water suppression equipment shall be in use at all times in conditions where dust releases are observed from conveyor discharge points, or when otherwise necessary to control dust emissions.
25. No material shall be stored in the open other than:
- a. Material that has been screened to remove material 3mm and under;
 - b. Sand;
 - c. Scalpings;
 - d. Material used for road sub-bases (commonly know as 'MOT') that has been conditioned with water before deposition;
 - e. Crusher run material or blended material that has been conditioned with water before deposition.

Roadways and Access Roads

26. Water suppression equipment shall be provided to enable treatment of all access roadways including loading areas and vehicular parking and turning areas. Water suppression equipment shall be in use at all times when dust releases are observed from roadways, loading areas and vehicular parking and turning areas, or when otherwise necessary to control dust emissions.
27. Access roadways including loading areas and vehicular parking and turning areas shall be adequately drained, kept in good repair and free of dusty materials.

Transport and Loading of Vehicles

28. The loading of road vehicles shall be carried out so as to minimise the generation of airborne dust. Vehicles loaded with crushed or screened material other than material 75mm and above in size, shall be sheeted or otherwise totally enclosed as soon as possible after loading and before leaving the site. Bricks, tiles and concrete being delivered to the site of the permitted activity, whether prior to or during the operation of the crusher plant shall be sheeted or held in closed containers before being admitted to the site.

Maintenance and Mechanical Breakdown

29. Effective preventative maintenance shall be employed on all plant and equipment concerned with the control of emissions to air. Routine daily, weekly and monthly servicing and maintenance of the plant shall be undertaken by trained operators. A record of such maintenance shall be kept in the log book.
30. Essential spares and consumables shall be held with the plant at all times for immediate use when required.
31. Any plant malfunction or breakdown leading to a visible dust emission shall be investigated immediately, and prompt corrective action taken. Any such incident shall be recorded in the log book.
32. If any plant malfunction or breakdown causes visible dust emissions likely to have an effect on the local community, the regulator shall be informed without delay and at least within one working day.

Staffing and Staff Training

33. Both the operator with legal responsibility for the plant and the person having routine operational control of the plant shall be identified in writing to the regulator within one month of any change to the nominated persons.
34. Operations shall be properly managed to ensure effective control of emissions. The workforce shall be effectively supervised by the operator or his designated representative.
35. The operator shall maintain a statement of training requirements for each operational post. The operator shall keep a record of the training received by each person whose actions may have an impact on the environment. These documents shall be made available to the regulator on request.
36. Staff at all levels shall receive proper training and instructions in their duties relating to control of the process and emissions to air. Particular emphasis shall be given to training for start up and shut down of crusher and screening plant, preventative maintenance procedures, assessment of visible dust emissions and necessary corrective actions, action to be taken in the event of plant malfunction or breakdown and the control of dust from stockpiles and access routes.
37. A list shall be kept with the log book which identifies all staff who are authorised to operate the crushing plant. Such staff will have received the training and instruction detailed above. The list shall include the dates on which training was given and the identity of the instructor. No person other than those identified in this list, their instructors, or qualified representatives of the plant manufacturers may operate the plant.

Environmental Management System

38. With immediate effect from the issue of this permit, the operator shall have developed an environmental management system (EMS), to help them manage the air pollution impacts of the permitted activity. Such an EMS shall address the management of air pollution risks under both normal operating conditions and in accidents and emergencies. A copy should be provided to the Regulator upon request.

General Permit Conditions

39. A high standard of plant cleaning shall be maintained at all times. This shall include removal of accumulated dust from support structures, plant surfaces and roofs using a vacuum cleaner, vacuum system or alternative suitable wet system not less than once every three months. Dry sweeping shall not be permitted.

40. At all times when this permit is in force, one or more copies of the permit shall be kept with the plant and made available to the regulator, or when outside Maldon District, the local Regulator for that district.
41. When the concrete crusher is to be operated outside Maldon District, the operator should notify the Regulator of the operational work plan at least two working days before the operations commence. The notification shall be made by fax or email (using the details provided on page one of the permit) and include details of the intended new location and the anticipated length of time that the process will be operated.

Dealing with Complaints from the Public, etc

42. The Log Book shall be used to keep a record of the details of complaints from the public (or any other source) of visible particulate or other airborne emissions from the permitted activity.
43. Any such complaint of visible airborne emissions shall be investigated immediately and, if necessary, prompt remedial action taken. The results of the investigation and any remedial action taken shall be recorded in the Log Book. The record shall include (as relevant) details of observations or assessments, any identified cause and any corrective action taken to remedy the abnormal emission.

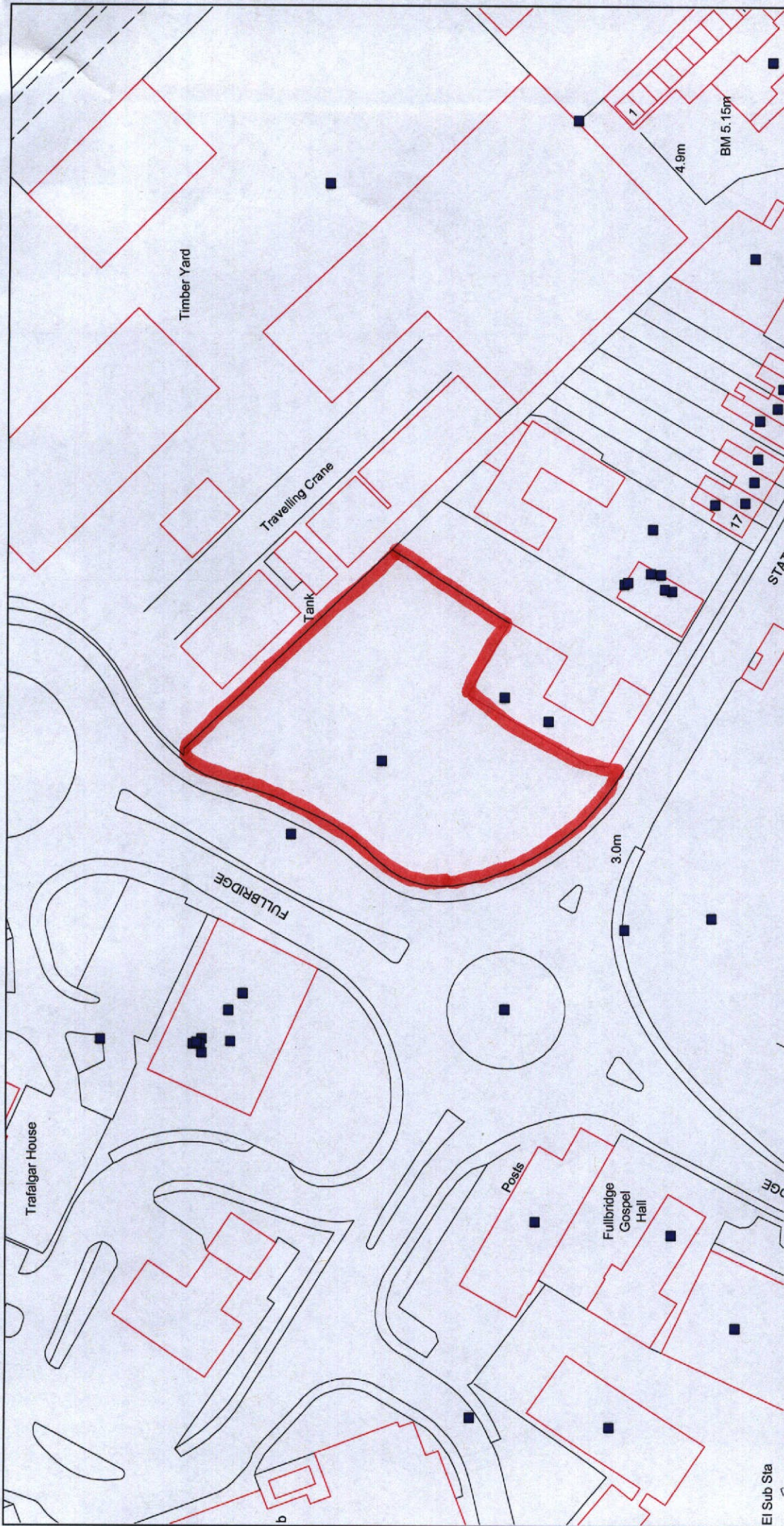
Residual Duty

In relation to any aspect of the process not regulated by conditions 1 to 17 inclusive, the Best Available Techniques shall be used:

- (a) for preventing the release of substances listed in Schedule 1 Part 2 of the regulations into 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.

Best Available Techniques (BAT)

Regulation 3 of the 2000 Regulations describes 'BAT' as meaning in addition to the most effective and advanced technical means and technology, the way the installation is designed, built, maintained, operated and decommissioned.



Page 10: Maldon Demolition Installation Boundary

Maldon Demolition Limited, Station Road, Maldon, Essex, CM9 4LQ

Scale:	1:1000	Comments	Installation boundary denoted by thick red
Organisation	Maldon District Council	Date	29 February 2008
Department	Environmental Protection	MLA Number	100018588

Copyright

For reference purposes only, no further copies may be made.

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright.
 Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.
 Maldon District Council - 100018588

<http://www.maldon.gov.uk>



SUPPLEMENTARY NOTES

These notes do not comprise part of Permit MLD/PPC/52/08 but contain guidance relevant to the Permit.

Interpretations and Definitions Notes

In relation to this Permit, the following expressions shall have the following meanings:

- "Application"* Means the application for this Permit, together with any response to a notice served under Schedule 4 to the PPC Regulations and any operational change agreed under the conditions of this Permit
- "BAT"* means 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 practical, generally to reduce emissions and the impact on the environment as a whole.
- For those purposes:
"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 the 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;
- "best" means, in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole;
- "techniques" includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned. Schedule 2 of the Regulations shall have effect in relation to the determination of best available techniques
- "Fugitive Emission"* means an emission to air or water (including sewer) from the Permitted installation that is not controlled by an emission limit imposed by a condition of this Permit
- "Installation"* should be interpreted in accordance with the guidance contained in the General Guidance Manual on Policy and Procedures for A2 and B Installations.
www.defra.gov.uk/environment/ppc/manual/index.htm
- "Monitoring"* Includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys
- "Permit"* the written permission to operate an installation prescribed for PPC
- "Permitted Installation"* Means the activities and the limits to those activities described in this Permit

<i>"PPC Regulations"</i>	Means the Pollution Prevention and Control (England and Wales) Regulations S.I. 2000 No.1973 (as amended) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit save to the extent they are explicitly defined in this Permit
<i>"Regulator"</i>	means any officer of Maldon District council who is authorised under Section 108(1) of the Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in Section 108(1) of that Act

References

(a) Secretary of State's Guidance (England and Wales): General Guidance Manual on Policy and Procedures for A2 and B Installations, March 2003 – available from the Defra website and, in hard copy, from the Defra Publications line 08459 556000 www.defra.gov.uk/environment/ppc/manual/index.htm

(b) DOE/WO Additional Guidance AQ17(94), issued to local authorities by the Air and Environment Quality Division of DEFRA and by the Welsh Office, provides further advice on the assessment of odour.

(c) Current air quality objectives are specified in:

- The Air Quality (England) Regulations 2000 SI 928

- The Air Quality (Wales) Regulations 2000 SI 1940

(d) OFTEC Standard OFS A103:2000 OFTEC oil fired appliance standard. Used lubricating oil burners for space and water heating appliances Heat outputs up to 400kW, available from Oil Firing Association for the Petroleum Industry, Century House, 100 High Street, Banstead, Surrey SM7 2NN, tel 01737 373311 fax 01737 373553 or tech@oftec.co.uk

(e) HMIP Technical Guidance Note D1: "Guidelines on Discharge Stack Heights for Polluting Emissions", published by The Stationery Office, ISBN 0-11-752794-7.

(f) M1 Sampling requirements for monitoring stack emissions to air from industrial installations, Environment Agency July 2002 (EA website)

(g) M2 Monitoring of stack emissions to air. Environment Agency May 2003 (EA website)

Web addresses

The final consultation drafts and final published versions of all guidance notes in this series can be found on www.defra.gov.uk/environment/index.htm.

Welsh Assembly Government web-site www.wales.gov.uk.

Local Authority Unit of the Environment Agency for England and Wales.

www.environment-agency.gov.uk/business/lapc.

Energy saving and environmental management measures can increase industry profits. Envirowise (formerly ETBPP) show how at www.envirowise.gov.uk (or freephone 0800 585794).

Inspections and Powers of Entry

Regular inspections will be carried out by the Regulator to check and ensure full compliance with the Permit conditions and residual duties. These inspections may be carried out without prior notice.

Under section 108(6) of the Environment Act 1995 authorised Officers of Maldon District Council have been granted powers of entry into any premises for the purposes of discharging relevant duties.

Reviews

The Regulator has a statutory duty to review the permit at least once every 6 years or in the following circumstances set out in regulation 15 of the Pollution Prevention and Control regulations 2000:

- a) The pollution from the installation is of such significance that the existing emission limit values for the permit need to be revised or new emission limit values need to be included in the permit
- b) Substantial changes in BAT make it possible to reduce emissions from the installation or mobile plant significantly without imposing excessive costs; or
- c) Operational safety of the activities carried out in the installation or mobile plant requires other techniques to be used

Health and Safety

This Permit is given in relation to the requirements of the Pollution Prevention and Control (England and Wales) Regulations 2000. It must not be taken to replace any workplace responsibilities the operator has under Health & Safety legislation.

Whenever emission limits quoted in this Permit conflict with occupational exposure limits set under the Health and Safety at Work Act 1974 to secure the health, safety or welfare of persons at work, the tighter limit should prevail.

Installation must be operated in order to protect persons at work as well as the environment. In achieving conditions in this Permit the operator must not adopt any course of action that would put at risk the health, safety or welfare of persons at work.

Other Statutory Requirements

This Permit does not detract from any other statutory requirement, such as the need to obtain planning permission, hazardous substances consent, discharge consent from the Environment Agency, building regulations approval, or a waste disposal licence.

This Permit does not authorise a contravention of any other enactment or any order made, granted or issued under any enactment, nor does it authorise a contravention of any rule or breach of any agreement.

The Operator is advised to consult the Council's planning department regarding changes that may be required as a result of this Permit (e.g. chimney heights, or land use) as they may require planning permission:

Planning Services
Council Offices
Princes Road
Maldon
Essex
CM9 5DL

Transfer of Permits

Where the operator of an installation wishes to transfer, in whole or in part, his permit to another person, the operator and the proposed transferee shall jointly make an application to the regulator to effect the transfer. Such an application shall be accompanied by the permit and any fee prescribed in respect of the transfer.

In the case of partial transfer, where the original operator retains part of the permit, the application must make clear who will retain control over the various parts of the installation. The application must include a plan identifying which parts of the site and which activities the operator proposes transferring.

The local authority will then determine whether to allow the transfer within a two-month period, unless the local authority and the applicants agree a longer period.

Where the Regulator approves the transfer, the transfer will take effect from the date requested by the operator or a date that may be agreed by the Regulator and the applicants.

Variation to Permits

Variation to permits may be initiated either by the Regulator or the operator, either in response to changes in the operation of an installation or if new conditions are

needed to deal with new matters. Variations may be required in response to the following:

- Change of operation of the installation. (The operator shall notify the local authority under Section 16(1) of the Regulations.)
- In response to the findings of a periodic review of conditions.
- In response to the findings of an inspection.
- New or revised sector guidance notes

The operator should apply to the Environmental Protection Team of the Council's Environment Services (at the address given on page 1) in order to vary a permit under regulation 17 of the Regulations. The application must be in writing and, in accordance with Part 1 of Schedule 7 to the Regulations contain:

- The name, address and telephone number of the operator.
- The address of the installation.
- A correspondence address.
- A description of the proposed changes.
- An indication of the variations the operator would like to make.
- Any other information the operator wants the Regulator take account of.

Substantial Change

A substantial change means, in relation to an installation, a change in operation, which in the opinion of the Regulator may have significant negative effects on human beings or the environment.

Where the Regulator deems that a proposed variation constitutes a substantial change, the operator will be informed of the process to follow.

Noise

This Permit does not include reference to noise. Statutory noise nuisance is regulated separately under the provisions of Part III of the Environmental Protection Act 1990.

Appeals

An Appeal can be made against the conditions in, or variations to this Permit as per Part IV of the Regulations. Appeals are made to the Planning Inspectorate who acts on behalf of the Secretary of State. Appeals against conditions within a Permit must be submitted within 6 months of the date of issue of the permit. Appeals against variation notices must be submitted within 2 months of the date of issue of the notice. Appeals should be despatched on the day they are dated and sent to:

The Planning Inspectorate
Environmental Appeals Administration
Room 4/19 – Eagle Wing
Temple Quay House
2 The Square
Temple Quay
BRISTOL
BS1 6PN

TSO (The Stationery Office) Ltd Publications

All TSO publications can be ordered by telephone on Tel: 0870 600 5522, Fax: 0870 600 5533, the website: www.tsoshop.co.uk/bookstore.asp or e-mail: customer.services@tso.co.uk