



**POLLUTION PREVENTION AND CONTROL ACT 1999
 POLLUTION PREVENTION AND CONTROL (ENGLAND
 AND WALES) REGULATIONS 2000**

PERMIT OF PROCESS

THIS IS TO CERTIFY THAT the operation of mobile crushing and screening plant

Operated by MERRIMAN LTD
 CHARNWOOD EDGE, SYSTON ROAD, COSSINGTON, LEICS LE7 4UZ

has been duly permitted in accordance with regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 subject to the conditions outlined in this document.

Name of Operator: MERRIMAN LTD
Registered Office CHARNWOOD EDGE, SYSTON ROAD, COSSINGTON,
 LEICS LE7 4UZ

This Permit shall apply only to the premises occupied by the applicant, as specified and described in the Application for Permit submitted to the Borough of Charnwood. This Permit, consisting of eleven 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 Regulations 12, 15 and 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000.

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

- Refer to Variation Notice dated 12 January 2004
- Refer to Variation Notice dated 17 August 2005
- Refer to Variation Notice dated 16 May 2007
- Refer to Variation Notice dated 11 October 2007

Signed on behalf of Charnwood Borough Council

..... Dated 11 October 2007
 Beverley Green, Specialist Environmental Health Officer
 (the delegated officer for the purpose)

Counter-signed.....
 Directorate of Housing and Health, Southfields, Southfield Road, Loughborough LE11 2TX

Introductory note

This introductory note does not form a part of the permit

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No 1973), as amended, (“the PPC Regulations”) to operate an installation carrying out one or more of the activities listed in Part B to Schedule I of the PPC Regulations, to the extent authorised by the Permit:

Section 3.5 Part B

" The crushing, grinding or other size reduction, with machinery designed for the purpose, of bricks, tiles or concrete”.

The Permit includes conditions that have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by conditions of the Permit are subject to the condition implied by Regulation 12(10) of the PPC Regulations, i.e. the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Note that the Permit requires the submission of certain information to the Local Authority (LA). In addition, the LA has the power to seek further information at any time under regulation 28 to the PPC Regulations provided that it acts reasonably.

Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue
None		

Public Registers

Considerable information relating to Permits including the Application is available on public registers in accordance with the requirements of the PPC Regulations. Certain information may be withheld from public registers where it is commercially confidential or contrary to national security.

Variations to the Permit

This Permit may be varied in the future (by the LA serving a Variation Notice on the Operator). If the Operator itself wants any of the Conditions of the Permit to be changed, it must submit a formal Application. The Status Log within the Introductory Note to any such

Variation Notice will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Where the Operator intends to cease the operation of an installation (in whole or in part) Charnwood Borough Council should be informed in writing, such notification must include the information specified in regulation 20(3) of the PPC regulations.

Transfer of the Permit or part of the Permit

Before the Permit can be wholly or partially transferred to another person, an Application to transfer the Permit has to be made jointly by the existing and proposed holders. A transfer will be allowed unless the LA considers that the proposed holder will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit.

Talking to us

Please quote the Permit Number if you contact the LA about this Permit.

To give a Notification under Conditions 22 & 29 the Operator should use the telephone number 01509 634636 or any other number notified in writing to the Operator by the LA for that purpose.

Brief Description of Mobile Activity Regulated by This Permit

Process

The size reduction, screening, conveying and loading of material using a combination of the items of mobile plant listed in Appendix 1/113. The plant can undertake the crushing and size reduction of bricks, concrete and stone produced as a result of quarry blasting and demolition operations nationally.

Plant Operation

The mobile plant listed in Appendix 1/113 is used in conjunction with excavators, front end loaders and dump trucks which feed material to the crushing units and move pre and post-processed materials.

Jaw Crusher Unit

The crushing unit consists of a feed hopper incorporating a vibrating feeder with an integral grid consisting of 'T' section bars (known as 'grizzly') which allows material under certain size (fines) to by-

pass the jaws and fall either onto the conveyor belt which receives crushed material or, when fitted, onto a side conveyor which removes the fines to a separate stockpile. Twin contra-rotating vibrating motors impart a linear movement to the feeder, causing the material loaded into the hopper to move towards the jaw crusher.

The jaw crusher consists of two jaws, one stationary and the other moving by reciprocating to a set distance with respect to the stationary jaw. Material entering the jaws is crushed by the action of the moving jaw until it is of a size which is smaller than the set distance. The crushed material falls onto a conveyor belt which delivers material forward of the machine. The section of the conveyor belt beneath the jaws is enclosed on three sides. Above the conveyor belt, outboard of the unit, is an overband magnet which removes such items of steel as concrete reinforcing bar and deposits this to the side of the unit. Crushed material is carried to the end of the conveyor and falls by gravity onto the stockpile.

Screening

Screening of crushed materials can take place in conjunction with the crushing units or as a stand alone process using a screening unit consisting of a feed hopper which supplies material to a screen box. The screening unit feed hopper is fed either by loading shovel or by the crushing unit conveyor.

Principle Emissions

The principle emissions that warrant control are those consisting of particulate matter.

The following parts of the process may give rise to particulate matter in the form of dust:

- Crushing and grinding
- screening
- Loading and unloading
- On-site transfer of dusty materials.
- Stockpiles
- Roadways, including haulage roads.

End of Introductory Note.

The above named company is permitted to operate the mobile activity detailed above subject to compliance with the following conditions:

Permit Conditions

Process Operations

- 1 Crusher MC04 AND PC03 shall be fitted with its own water supply to spray material, which is fed into the hopper and crushed. The water sprays shall be operated at all times when the crushing plant is operating. They shall have an adequate supply of water. If water supply or pressure is found to be insufficient to allow the dust suppression equipment to work effectively, then steps must be taken to supplement the supply to enable the equipment to work effectively.
- 2 Screens WS03, WS04 and WS05 shall be fitted with water suppression facilities over the conveyor discharge points which handle <3mm material and shall be operated at all times when the screening plant is operating. They shall have an adequate supply of water.
- 3 Where water is used as a method of dust suppression, processes shall have an adequate supply of water and all water suppression systems shall have adequate frost protection.

Conveyors

- 4 Discharge conveyors on crusher MC04 and PC03 and on screens WS03, WS04 and WS05 shall be enclosed on at least one side and above where material under 3mm is being handled.
- 5 The upper 1m of the final discharge conveyors or stock pile discharge conveyors on crusher MC04, PC03 and screens WS03, WS04, and WS05 and the first 0.5m of the free fall of materials from the conveyors shall be fitted with a full hood and with water suppression unless the material has been screened to remove the under 3mm fraction.
- 6 Conveyors shall be of sufficient capacity to handle maximum loads without spillage.
- 7 Conveyors shall be fitted with means for keeping the belt clean

Process ControlsStockpiles

- 8 The provisions of conditions 9 to 17 inclusive shall be complied with where the activities referred to are carried out by the same person who is permitted to operate the mobile plant.
- 9 Stockpiles of raw materials and products shall be held in such a way as to minimise the emission of wind-borne dust during loading to and from the stockpiles and during construction and management of stockpiles. Where such emissions occur the stockpile or stockpiles giving rise to emissions shall be “capped off”, that is the surface conditioned with water, with material being loaded from one face.

Stockpiles shall be suitably profiled and wherever possible shall be situated in sheltered areas of the site.

- 10 The post-processed material stockpile being fed by the discharge conveyor shall, by careful management of material transfer and stockpiling, be maintained at a height which is as close to the end of the conveyor as possible in order to minimise the drop height. On start-up, prior to the build-up of the stockpile to this level, attention shall be paid to water conditioning to minimise emissions.
- 11 The loading of dump trucks, excavators and front end loaders shall be carried out such that the drop height of material is minimised when loading to and from stockpiles. This loading shall also be carried out in such a manner as to minimise wind entrainment of dust.
- 12 No material shall be stored on the site other than in enclosed storage, except for:-
- a) Material which has been screened to remove material 3mm and under;
 - b) Sand;
 - c) Scalpings
 - d) Material used for road sub-bases (commonly known as “MOT material”) that has been conditioned before deposition.
 - e) Crusher run material or blended material that has been conditioned before deposition;
 - f) Material under 3mm that is in excess of the internal storage capacity (the internal storage capacity having been previously agreed by the Local Authority).

Transportation

- 13 Internal road transport of processed material likely to generate dust shall be carried out in closed tankers or sheeted vehicles, or the materials conditioned with water.
- 14 The loading of road vehicles shall be carried out such that the drop height of crushed material is minimised and in such a general manner as to minimise the generation of airborne dust. Where emissions are seen to occur, the crushed material shall be suitably wetted prior to loading. As soon as possible after loading the vehicle shall be sheeted or otherwise totally enclosed. This shall not apply to the loading of crushed material which is greater than 75mm.
- 15 Bricks, tiles and concrete being delivered to the site shall be sheeted or held in closed containers before being admitted to the site.
- 16 Processed materials likely to generate dust shall be conditioned with water prior to internal transfer.
- 17 Roadways in normal use and any other area where there is regular movement of vehicles shall have a consolidated surface capable of being cleaned. They shall be kept clean in order to prevent or minimise dust emissions. They shall also be kept in good repair.

Emission Limits and Monitoring

- 18 There shall be no abnormal visible dust emissions from the process or fallout of dust beyond the site boundary.
- 19 A visual assessment of the dust emissions from the crusher, ancillary plant, stockpiles and storage area for crushed materials shall be made on start up and on at least two more occasions per day, to assess compliance with condition 18. Where visible emissions of dust from any source are observed, the process shall cease until the cause has been investigated and the problem rectified.
- 20 The results of all assessments shall be recorded in a logbook. The record shall be clearly legible and include the time and date, the result, the name of the person undertaking the inspection or assessment. In the case of non-compliant inspection results or emissions being assessed, the cause, the remedial action taken and the time the compliant operation is restored, shall also be recorded.

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The log book shall be available for inspection at the site occupied by the process by any authorised officer of Charnwood Borough Council or the local authority of the area in which the process is situated.

- 21 Records relating to the previous seven operating days shall be kept available on site. All other records shall be held for a minimum of two years at the company's principal place of business and shall be kept available for examination by officers of Charnwood Borough Council. Any historical records kept off-site shall be made available for inspection within one working week of any request by any authorised officer of Charnwood Borough Council.
- 22 Any malfunction leading to excessive emissions shall be dealt with promptly, and the process operation adjusted to minimise emissions until normal operations can be restored. All such malfunctions shall be promptly recorded in the logbook required under conditions 20 detailing the event and actions taken and Charnwood Borough Council and the local enforcing authority shall be informed without delay if the local community is likely to be affected.
- 23 If in the opinion of an authorised officer of local enforcing authority there is evidence of airborne dust being deposited outside the process boundary, corrective action shall be taken without delay. If the source of the emission is uncertain the operator shall undertake an inspection and/or monitoring to identify the source. The monitoring shall be by a British Standard method or by a method agreed between the operator and the local enforcing authority.

General Operations**Management**

- 24 The crusher unit shall be operated and maintained in accordance with the manufacturer's instructions to ensure effective control of emissions. Spares and consumables, particularly for those items subject to continual wear shall be held on site, or should be available at short notice from guaranteed local suppliers or the original equipment manufacturer, so that plant breakdowns or malfunctions which may lead to abnormal emissions can be rectified rapidly.

Training

- 25 All persons operating the crusher shall be made aware of the conditions of this Permit and receive training and instruction in relation to their duties to control the

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process and emissions to air. Particular emphasis should be given to training for start-up, shut-down and abnormal conditions and systems of work shall clearly identify lines of responsibility.

Only persons nominated by the holder of this Permit shall be permitted to operate the plant.

- 26 The operator shall maintain a statement of training requirements for each operational post and keep a record of the training received by each person whose actions may have an impact on the environment. These records shall be retained and made available for examination by officers of Charnwood Borough Council.

Maintenance

- 27 The operator shall prepare and produce a written maintenance schedule with respect to pollution control equipment. A copy of this schedule shall be provided to Charnwood Borough Council.
- 28 A record of such maintenance shall be made available for inspection.

General

- 29 The Environmental Health Section of Charnwood Borough Council shall be notified in writing within seven days, if possible, and in no case less than three whole days prior to the process being relocated to any new site. Such notification shall include details of the description and reference numbers of the plant to be used, the address of the new location, the local authority in whose area the site is located and the date that operations will commence.
- 30 A copy of this Permit shall be held with the crusher at the current operating site and made available for inspection by authorised officers of the local enforcing authority.
- 31 The operator shall maintain the plant in a clean state in order to avoid any material being deposited on the public highway during transportation between operating locations.
- 32 The crusher unit shall be sited as far from residential dwellings as reasonably practicable.

- 33 This Permit is valid only for one combination of crushing, screening and ancillary equipment listed in Appendix 1/113 at a single location required to be notified by condition 29.
- 34 Each item of plant shall be clearly marked with its reference number to allow identification.

End of Conditions

Appendix 1/113

Plant Reference	Details
MC04	Metso Lokotrack LT105
PC03	Pegson Priemer Crusher
WS03	Power Screen Powergrid
WS04	Finlay 393 Screen
WS05	Mockeln 5200 Screen

EXPLANATORY NOTES

These notes do not comprise part of Permit Serial No. 113 but contain guidance relevant to the Permit.

1. You should note that Regulation 12(10) of the Regulations provides that in relation to any aspect of the process not regulated by conditions 1 to 34 the best available techniques ('BAT') shall be used for the purpose of preventing or, where that is not practicable, reducing emissions into the air.
Section 3(7) of the Regulations describes 'BAT' as meaning 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.
2. This Permit is issued under the Pollution Prevention and Control (England and Wales) Regulations 2000. The responsibility you have under legislation for Health, Safety and Welfare in the workplace remains in force. In addition, the Permit does not relieve you of your obligations to obtain planning permission, hazardous substances consent, discharge consent from the Environment Agency Building Regulations approval, or a Waste Disposal Licence.
3. Any proposed 'change in operation' in the process (within the meaning of Regulation 2(1)) shall be notified to Charnwood Borough Council as required by Section 16(1) of the Regulations.
4. Anyone who is aggrieved by the conditions attached to a Permit can appeal to the Secretary of State for the Environment, Food and Rural Affairs. Appeals must be made in accordance with the requirements of Regulation 27 and Schedule 8 of the PPC regulations. The address is as follows:

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

Please note: an appeal brought under paragraph (1) (c) or (d) in relation to the conditions in a permit will not suspend the effect of the conditions appealed against: the conditions must still be complied with.

In determining an appeal against one or more conditions, the Act allows the Secretary of State in addition to quash any of the other conditions not subject to the appeal and to direct the local authority either to vary any of these other conditions or to add new conditions.