

PERMIT 099



**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 **MMC MINERAL PROCESSING 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: MMC MINERAL PROCESSING 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 ten 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 23 December 2003
- Refer to Variation Notice dated 17 August 2005
- Refer to Variation Notice dated 16 May 2007

Signed on behalf of Charnwood Borough Council

..... . Dated 16 May 2007
 Beverley Green, Chartered Environmental Health Practitioner
 (the delegated officer for the purpose)

Counter-signed.....

Directorate of Housing and Health, Southfields, Southfield Road, Loughborough LE11 2TX

PERMIT 099

MOBILE CRUSHING PLANT OWNED BY MMC MINERAL PROCESSING LTD, CHARNWOOD
EDGE, SYSTON ROAD, COSSINGTON, LEICESTERSHIRE LE7 4UZ

I.0 Description of Permitted Process**I.1 Process**

Operating a mobile crushing plant using a combination of the items listed in Appendix I/099.

The plant can undertake the crushing and size reduction of limestone stone produced as a result of quarry blasting work.

This process is included in Schedule I, Chapter 3, Section 3.5, Part B of the Pollution Prevention and Control (England and Wales) Regulations 2000.

I.2 Plant Detail**Crushing Unit**

The primary 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. Material is discharged from the primary crusher into a secondary 'impact' crusher by conveyor.

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 by the crushing unit conveyor.

PERMIT 099

2.0 Process Operations

- 2.1 Crusher PI01 and CC01 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.
- 2.2 Screens MS02 and WS03 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.
- 2.3 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

- 2.4 Discharge conveyors on crusher PCI01 and CC01 and on screens MS02 and WS03 shall be enclosed on at least one side and above where material under 3mm is being handled.
- 2.5 The upper 1m of the final discharge conveyors or stock pile discharge conveyors on crusher PI01, CC01 and screens MS02, and WS03 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.
- 2.6 Conveyors shall be of sufficient capacity to handle maximum loads without spillage.
- 2.7 Conveyors shall be fitted with means for keeping the belt clean

PERMIT 099

3.0 Process Controls**Stockpiles**

3.1 The provisions of conditions 3.2 to 3.10 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.

3.2 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.

3.3 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.

3.4 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.

3.5 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;

PERMIT 099

- 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

- 3.6 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.
- 3.7 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.
- 3.8 Bricks, tiles and concrete being delivered to the site shall be sheeted or held in closed containers before being admitted to the site.
- 3.9 Processed materials likely to generate dust shall be conditioned with water prior to internal transfer.
- 3.10 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.

PERMIT 099

4.0 Emission Limits and Monitoring

- 4.1 There shall be no abnormal visible dust emissions from the process or fallout of dust beyond the site boundary.
- 4.2 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 4.1. Where visible emissions of dust from any source are observed, the process shall cease until the cause has been investigated and the problem rectified.
- 4.3 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.
- 4.4 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.
- 4.5 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.
- 4.6 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 4.3 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.
- 4.7 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
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PERMIT 099

monitoring shall be by a British Standard method or by a method agreed between the operator and the local enforcing authority.

PERMIT 099

5.0 General Operations**Management**

- 5.1 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

- 5.2 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 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.

- 5.3 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

- 5.4 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.

- 5.5 A record of such maintenance shall be made available for inspection.

General

- 5.6 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
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PERMIT 099

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.

- 5.7 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.
- 5.8 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.
- 5.9 The crusher unit shall be sited as far from residential dwellings as reasonably practicable.
- 5.10 This Permit is valid only for one combination of crushing, screening and ancillary equipment listed in Appendix 1/099 at a single location required to be notified by condition 5.6.
- 5.11 Each item of plant shall be clearly marked with its reference number to allow identification.

PERMIT 099

Appendix I/099

Plant Reference	Details
PI01	Pegson 1412 impactor
CC01	Pegson 1300 Maxtrak crusher
MS02	Mockeln 5200 Euro Track
WS02	Power screen 1800 Screen

EXPLANATORY NOTES

These notes do not comprise part of Permit Serial No.099 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 1.1 to 5.11 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.