



**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 crushing, grinding and other size reduction of bricks, concrete or other mineral products by machinery

at: **N H Skips Ltd, Granite Way Mountsorrel Loughborough
Leicestershire LE12 7TZ**

(The site location is shown on Appendix I which forms part of this Permit)

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: N H Skips Ltd
Registered Office 9a Leicester Road Blaby
Leicestershire LE8 4GR

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 eight 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 Permit unless otherwise stated.

Signed on behalf of Charnwood Borough Council

Beverley Green
(the delegated officer for the purpose)

Dated 25 January 2007

Counter-signed A Green

Charnwood Borough Council
Southfields Road, Loughborough LE11 2TX

I.0 Description of Permitted Process

I.1 Process

The operation of a Rubble Master RM60 Impact Crusher, Serial no. NURMIAB99 for crushing, grinding and other size reduction of bricks, concrete or other mineral products at the licensed recycling plant operated by N H Skips Ltd at the site location indicated in Appendix I.

I.2 Plant Operation

The crushing plant is used in conjunction with excavators, front-end loaders and dump trucks that feed material to the crushing unit and move pre and post-processed materials.

Screening

Bricks and hard-core are screened and go through a picking station to remove any other wastes or rubbish prior to entering the crusher. The crusher unit is fed either by loading shovel or by conveyor.

Crusher Unit

The crushing unit consists of a feed hopper incorporating a vibrating feeder. The 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. Crushed material is carried to the end of the conveyor and falls by gravity onto the stockpile.

2.0 Emission Limits and Monitoring

- 2.1 There shall be no abnormal visible dust emissions from the process or fallout of dust beyond the site boundary.
- 2.2 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 each day, to assess compliance with condition 2.1. Where visible emissions of dust from any source are observed, the process shall cease until the cause has been investigated and the problem rectified.
- 2.3 The results of all assessments shall be recorded in a log book. 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.
- The log book shall be available for inspection at the site occupied by the process by any authorised officer of Charnwood Borough Council.
- 2.4 All records of inspection 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 an authorised officer of Charnwood Borough Council. Any historical records kept off-site shall be made available for inspection with one working week of any request by any authorised officer of Charnwood Borough Council.
- 2.5 Any malfunction or breakdown leading to abnormal emissions shall be dealt with promptly, and the process operation adjusted until normal operations can be restored. All such malfunctions shall be recorded in the log book required under condition 2.3 and Charnwood Borough Council informed without delay if the local community is likely to be affected.
- 2.6 If in the opinion of an authorised officer of Charnwood Borough Council there is evidence of airborne dust being deposited outside the process boundary, corrective action shall be taken with out 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 Charnwood Borough Council.
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3.0 Process ControlsStockpiles

- 3.1 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 or covered. If long term “stocking areas” are provided fixed water sprays shall be installed.
- 3.2 No material shall be stored in the open except for:
- a) material that has been screened to remove material 3mm and under;
 - b) sand;
 - c) material used for road sub-bases (commonly known as “MOT material” or “type 1” or “type 2” material) that has been conditioned before deposition;
 - d) crusher run material that has been conditioned before deposition.
- 3.3 To control dust stockpiles shall be kept in storage bays. The storage height shall be lower than external walls of the bays unless suppression is provided to control emissions. Stock should not be piled forward of the bay.
- 3.4 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.
- 3.5 Storage areas where there is vehicular movement shall either have a consolidated surface which shall be kept clean and in good repair, or shall be kept wet.

Crusher Process

- 3.6 The Rubble Master RM60 shall be provided with water suppression facilities over the crusher entry and conveyor discharge point, which shall be used when necessary to minimise dust emissions. Where it is necessary to use water to suppress dust, a constant supply shall be available in all climatic conditions. If water supply or pressure
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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 or the process shall not be operated.

Conveyors

- 3.7 Conveyors shall be of sufficient capacity to handle maximum loads without spillage.
- 3.8 The conveyor shall be fitted with means for keeping the belt clean.
- 3.9 The upper 1m of the final discharge conveyors or stock pile discharge conveyors on crusher RM60 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.
- 3.10 The discharge conveyor shall be enclosed as far as possible to protect against wind whipping.

Loading/unloading

- 3.11 The loading of the 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 the crusher and stockpiles. This loading shall also be carried out in such a manner as to minimise wind entrainment of dust.
- 3.12 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.

Transportation

- 3.13 Processed materials likely to generate dust shall be conditioned with water prior to internal transfer.

- 3.14 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.

Management

- 3.15 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 shall 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

- 3.16 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.
- 3.17 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

- 3.18 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.
- 3.19 A record of such maintenance shall be made available for inspection.

Appendix I – Site Location

Appendix 2 – Site Layout

EXPLANATORY NOTES

These notes do not comprise part of Permit Serial No.127 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 2.1 to 3.19 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.