

## PERMIT



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

**PERMIT OF PROCESS**

**THIS IS TO CERTIFY THAT:** the manufacture of ceramic products by firing in kilns  
Operated by:- **Charnwood Forest Brick Ltd, Old Station Close,  
Shepshed LE12 9NJ, Leicestershire**

**National Grid Reference; SU 344 258**

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: Charnwood Forest Brick Ltd**  
**Registered Office: Berkhamsted House, 121 High Street**  
**Berkhamsted, Herts HP4 2PJ**

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 twenty-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 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.

Signed on behalf of Charnwood Borough Council

.....Dated 14 December 2006

Ann Green  
Specialist Environmental Health Officer

Countersigned .....

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

**PERMIT**

---

**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 activities covered by the description in Section 3.6 Part A(2) in Part I Schedule I of the PPC Regulations, to the extent authorised by the Permit:

## Section 3.6 Part A(2)

"Unless falling within Part A(1) of this section, manufacturing ceramic products (including roofing tiles, bricks, refractory bricks, tiles, stoneware or porcelain) by firing in kilns, where:

- i) the kiln production capacity is more than 75 tonnes per day; or
- ii) the kiln capacity is more than 4m<sup>3</sup> and the setting density is more than 300kg/m<sup>3</sup>

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.

In some sections of the Permit conditions require the Operator to use Best Available Techniques (BAT), in each of the aspects of the management of the installation, to prevent and where that is not practicable to reduce emissions. The conditions do not explain what is BAT. In determining BAT the Operator should pay particular attention to relevant sections of the IPPC Sector guidance, appropriate Horizontal guidance (H1 to H4) and other relevant guidance.

A non-technical description of the installation is given in the Application, but the main features of the installation are as follows:

The premises are located on Old Station Close, Shepshed. The principal emissions are clay dust and exhaust gases from stacks/vents. The main activities carried out at the installation comprise the annual manufacture of approximately 3.5 million clay facing bricks of various sizes and shapes, using clay material extracted from the adjoining quarry or brought from other locations.

Keuper Marl clay is dug normally once yearly, from the quarry situated on the south side of the A512. The dug clay is allowed to weather as a stockpile for approximately six months before being transported to the Processing Plant via a conveyor.

After final mixing the clay is used to mould hand-made facing bricks in an entirely manual process. The bricks are loaded onto trucks and passed through one of the

---

**PERMIT**

tunnel dryers prior to firing in one of the two kilns. A third shuttle kiln is available for periodic use.

In recent years the site has become part of a larger brick manufacturing group Michelmersh Brick Holdings PLC, which currently operates three other brick companies spread over the country.

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.

Other Permits relating to this installation

<b>Permit Holder</b>	<b>Permit Number</b>	<b>Date of Issue</b>
Not applicable	Not applicable	Not applicable

Superseded Licences/Authorisations/Consents relating to this installation

<b>Holder</b>	<b>Reference Number</b>	<b>Date of Issue</b>
Charnwood Forest Brick Ltd	LAPC Permit Reference No. 001	12 Sept 1992

**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**

Before this Permit can be wholly or partially surrendered, an Application to surrender the Permit has to be made by the Operator. For the application to be successful, the Operator must be able to demonstrate to the LA that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

**PERMIT**

---

**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. If, however, the Permit authorises the carrying out of a specified waste management activity, the transfer will only be allowed if the proposed holder is also considered to be a “fit and proper person” as required by the PPC Regulations.

**Talking to us**

Please quote the Permit Number if you contact the LA about this Permit. To give a Notification under Condition 5.1.1, 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.

**Status Log**

<b>Detail</b>	<b>Date</b>	<b>Comment</b>
Application A2/03	Received 26/3/04	Duly made 13/4/03
Permit determined		

**End of Introductory Note.**

**PERMIT****Conditions****1.0 General****1.1 Permitted Activities**

- 1.1.1 The Operator is authorised to carry out the activities and the directly associated activities specified in Table 1.1.1

**Table 1.1.1 Permitted Activities**

<b>Activity listed in Schedule 1 of the PPC Regulations/ Associated Activity</b>	<b>Process activity consists of</b>	<b>Description of specified activities</b>	<b>Limits of specified activity</b>
Section 3.6 Part A(2)(a)	The annual manufacture of approximately 3.5 million clay facing bricks of various sizes and shapes, using of clay material extracted from the adjacent quarry or brought from other locations	Manufacturing of ceramic products.	Bricks and heavy clay goods are manufactured on site in area shown on site location plan ref: CFBIPPC Site 1 of application
	Storage and handling of raw materials including the stockpiling of clay, bulk storage of wet sand, conditioners, pigments and lubricants	A working stockpile of clay is stored on a hard standing area within the installation boundary. Other raw materials, including the bulk storage of sand are stored in bunkers on the site. Lubricants and additives are stored in small quantities of 205L drums or 1000L IBC containers inside the factory building.	Receipt and storage of raw materials to transfer to batch preparation or other process area. Information on the location of storage areas and related equipment are shown on plan CFBIPPC Site 1 of application
	Waste handling, storage, handling and dispatch of finished products, waste and other materials	Storage of finished products. Process waste segregation and storage.	Internal & external storage of intermediates, finished products, storage of waste in designated areas and loading for transit off site
	Drying of sand for use in brick making process	Small amounts of sand are dried before use in rotating tubular gas fired sand dryer.	Sand drying operations are carried out in a separate specifically constructed building shown on site location plan ref: CFBIPPC Site

**PERMIT**

			I of application
	Bulk storage of gas oil and diesel	Gas oil and diesel are store in a bunded area on the site, tanks are fitted with safety valves and nozzles to minimise the risk of spillage.	Bunded storage areas are shown on plan ref: CFBIPPC site I of application.
Directly Associated activities	None	None	None

**1.2 Site**

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the site, being the land shown in Schedule 5 to this Permit.

**1.3 Overarching Management Condition**

- 1.3.1 Without prejudice to the other conditions of this Permit, the Operator shall implement and maintain a management system, organisational structure and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.
- 1.3.2 The management system shall include a specific Environmental Management System (EMS), which shall provide an effective technique for ensuring that all pollution prevention and control techniques are delivered reliably and on an integrated basis, and shall include but not be limited to:
- A documented preventative maintenance schedule, covering all plant, equipment whose failure could lead to significant impact on the environment;
  - Documented procedures for minimising emissions from the operation and firing of the kilns;
  - Records of checks made (the logbook) shall include the time, date, result and name of person undertaking the assessment, and where required, the location of the assessment;
  - Records of breakdowns of key plant and abatement equipment capable of causing significant pollution (to be analysed by the Operator in order to eliminate common failures), and;
  - Documented procedure for identifying all potential noise sources, control measures and appropriate noise standards for new/replacement equipment.

**1.4 Improvement Programme**

- 1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the LA within 14 days of the completion of each such requirement.

**PERMIT****Table I.4.1 Improvement programme**

<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IP1	Complete and implement the Environmental Management System detailed in section B2.12.2 of the Permit application to cover procedure and precautions in place to prevent accidental or unintentional releases, and to meet the requirements of the overarching management condition (condition 1.3 above.), to the satisfaction of the Regulator.	6 months from permit issue
IP2	The operator shall provide to the Local Authority an annual summary to demonstrate compliance with the Climate Change Agreement.	6 months from permit issue and then by the 31 March every following year
IP3	The Operator shall carry out a waste minimisation audit. Using this information opportunities for reducing waste should be assessed and where appropriate implemented.	18 months from permit issue
IP4	The Operator shall carry out a water usage efficiency audit. Using this information, opportunities for reducing water use shall be assessed and where appropriate implemented.	18 months from permit issue.
IP5	Provide evidence to prove the integrity of the bunding to the gas oil and diesel tanks. Implement a management plan detailing the frequency of checks, what corrective action will be taken should damage to the bunds or tanks be identified.	12 months from permit issue.

1.4.2 Where the Operator fails to comply with any requirement by the date specified in Table I.4.1 the Operator shall send written notification of such failure to the LA within 14 days of such date.

## **1.5 Minor Operational Changes**

1.5.1 The Operator shall seek the LA's written agreement under condition 2.1.1 to any operational changes to this Permit, by way of significant variation, and shall include:

- (a) A description of the nature of the proposed change;
- (b) An assessment of its possible effects or risk to the environment

**PERMIT**

---

- (c) Any increases in the storage of raw materials;
- (d) The nature and quantity of any emission;
- (e) Details of the technology being applied to reduce such emissions, and associated emissions monitoring;
- (f) Any other relevant information.

Minor modifications are permissible as long as they do not contravene the operational requirements of the application or the Permit and do not adversely affect releases to air.

- 1.5.2 Any change requested under condition 1.5.1 shall not be implemented until agreed in writing by the LA. As from the agreed implementation date, the Operator shall operate the Permitted installation in accordance with that change, and relevant provision in the Application shall be deemed to be amended.
- 1.5.3 When the qualification “unless otherwise agreed in writing” is used elsewhere in this Permit, the Operator shall seek such agreement by sending to the LA written notice of the details of the proposed method(s) or techniques.
- 1.5.4 Any method(s) or techniques requested under condition 1.5.3 shall not be implemented until agreed in writing by the LA. As from the agreed implementation date, the Operator shall operate the Permitted installation using that method or technique and relevant provision in the Application shall be deemed to be amended.

**1.6 Pre-Operational Conditions**

- 1.6.1 There are no pre-operational conditions.

**1.7 Off-site Conditions**

- 1.7.1 There are no off-site conditions.

**PERMIT****2.0 Operating Conditions****2.1 In-Process Controls**

- 2.1.1 The permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the LA in accordance with conditions 1.5.1 and 1.5.2 of this permit.

**Table 2.1.1 Operating Techniques**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to questions B2.1, B2.2 and B2.3 of the application	26/3/04

**2.2 Emissions****2.2.1 Emissions to Air (including heat, but excluding Odour, Noise or Vibrations) from Specified Points**

- 2.2.1.1 Condition 2.2.1 of this Permit shall not apply to releases of odour, noise or vibration.
- 2.2.1.2 Emissions to air from emission points in Table 2.2.1 shall only arise from the source(s) specified in that Table.

**Table 2.2.1 Emission Points to Air**

<b>Emission point reference or description</b>	<b>Source</b>	<b>Location of emission point</b>
A1	Chamber Kiln Exhaust Chimney	Shown on site layout plan Ref. CFBIPPC Site 2 of application
A2	Shuttle Kiln Exhaust Chimney	Shown on site layout plan Ref. CFBIPPC Site 2 of application
A3	No 1&2 Tunnel Dryer Exhaust	Shown on site layout plan Ref. CFBIPPC Site 2 of application
A4	No 3&4 Tunnel Dryer Exhaust	Shown on site layout plan Ref. CFBIPPC Site 2 of application
A5	No 5 Tunnel Dryer Exhaust	Shown on site layout plan Ref. CFBIPPC Site 2 of application
A6	Sand Dryer Operation	Shown on site layout plan Ref. CFBIPPC Site 2 of application
A7	Clay Preparation Extraction System	Shown on site layout plan Ref. CFBIPPC Site 2 of application
A8 – A9	Roof Mounted General Ventilation Fans	Shown on site layout plan Ref. CFBIPPC Site 2 of application

**PERMIT**

2.2.1.3 The limits for emissions to air for the parameter(s) and emission point(s) set out in Table 2.2.2. shall not be exceeded.

**Table 2.2.2 Emission limits to air and monitoring**

<b>Emission point reference</b>	<b>Parameter</b>	<b>Emission Limit (in accordance with levels specified in SG7/04)</b>	<b>Monitoring frequency</b>	<b>Monitoring method</b>
A1	Particulate matter	No visible emission	At least daily when the kiln is in operation	Operator observation
A2	Particulate matter	No visible emission	At least daily when the kiln is in operation	Operator observation
A3 - A7	Particulate matter	No visible emission	At least daily when the kiln is in operation	Operator observation

2.2.1.4 All emissions to air other than steam or water vapour shall be colourless and free from persistent mist.

2.2.1.5 All emissions to air shall be free from persistent fume and free from droplets.

2.2.1.6 All emissions from combustion processes in normal operation shall be free from visible smoke and in any case should not exceed the equivalent of Ringelmann Shade I as described in British Standard B.S 2742:1969.

## **2.2.2 Emissions to water (other than groundwater) including heat from specified points**

### **Emissions to water (other than to Sewer)**

2.2.2.1 Emissions to surface water from specified emission points in Table 2.2.3 shall only arise from the source(s) specified in that table.

**PERMIT****Table 2.2.3 emission points to surface water**

<b>Emission Point reference or description</b>	<b>Source</b>	<b>Location of emission point</b>
W1 –W4	Rain water from hard standing and building roofs	Shown on site layout plan Ref CFBIPPC Site 3 of application
W5	Brick cutting settlement pit	Shown on site layout plan Ref CFBIPPC Site 3 of application

**Emissions to Sewer**

2.2.2.2 Emissions to sewer from the specified emission points in Table 2.2.4 shall only arise from the source(s) specified in that Table. There are no other specific controls imposed upon emissions to sewer in this part of the Permit.

**Table 2.2.4 Emission point to Sewer**

<b>Emission point reference or description</b>	<b>Source</b>	<b>Location of emission point</b>
S1	General foul water – office, from toilets and cloakrooms	Shown on site layout plan
S2	General foul water – works, from toilets and cloakrooms	Shown on site layout plan

2.2.2.3 No emissions limits apply to emission points set out in Table 2.2.4.

**2.2.3 Emissions to groundwater**

2.2.3.1 No emission from the Permitted Installation shall give rise to the introduction into groundwater of any substance in List I (as defined in the Groundwater Regulations 1998 (S.I 1998 No 2746)).

2.2.3.2 No emission from the Permitted installation shall give rise to the introduction into groundwater of any substance in List II (as defined in the Groundwater Regulations 1998 (S.I 1998 No 2746)).

2.2.3.3 For substances other than those in List I or II (as defined in the Groundwater Regulations 1998 (S.I 1998 No. 2746)), the Operator shall use BAT to prevent or where that is not practicable to reduce emissions to groundwater from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

**PERMIT**

---

**2.2.4 Fugitive emissions of substances to air**

2.2.4.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce fugitive emission of substances to air from the Permitted Installation in particular from:

- Dry roadways
- Storage areas
- Buildings
- Pipes, valves and other transfer systems
- Open surfaces
- Loading and unloading of materials
- Accidental losses due to failure, break down or leakage
- Conveyor systems for dry materials

Provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

**2.2.5 Fugitive emissions of substances to water and sewer**

2.2.5.1 Subject to condition 2.2.5.2 below, the Operator shall use BAT so as to prevent or where that is not practicable to reduce fugitive emission of substances to water (other than Groundwater) and sewer from the Permitted Installation in particular from:

- all structures under or over ground
- surfacing
- bunding
- storage areas

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5.2 Storage areas shall be clearly marked and containers clearly labelled. The maximum storage capacity of storage areas shall be stated and not exceeded.

**2.2.6 Odour**

2.2.6.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce offensive odorous emissions from the Permitted Installation, in particular by:

- limiting use of odorous materials
- restricting odorous activities
- controlling the storage conditions of odorous materials
- controlling processing parameters to minimise the generation of odour

Provided always that the techniques used by the Operator shall be no less

---

**PERMIT**

---

effective than those described in the Application, where relevant.

- 2.2.6.2 All emissions to air from the installation shall be free from offensive odour as perceived by an Authorised Officer of the Local Authority outside of the installation boundary.

**2.2.7 Emission to Land**

- 2.2.7.1 The sector guidance note recognises that this type of installation does not significantly contribute to emissions to land

**2.3 Management**

- 2.3.1 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

*Training*

- 2.3.2 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.

- 2.3.3 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to carry out their duties.

- 2.3.4 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training.

*Maintenance*

- 2.3.5 All plant and equipment used in operating the Permitted Installation, the failure of which could lead to an adverse impact on the environment, shall be maintained in good operating condition.

- 2.3.6 The Operator shall maintain a record of relevant plant and equipment covered by condition 2.3.5 and for such plant and equipment; keep a written or electronic maintenance programme and a record of its maintenance.

*Incidents and Complaints*

- 2.3.7 The Operator shall maintain and implement written procedures for:-

2.3.7.1 taking prompt remedial action, investigating and reporting actual or potential non-compliance with operating procedures or emission limits if such event occur;

2.3.7.2 investigating incidents (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short

---

**PERMIT**

---

term and long term remedial measures and near misses) and prompt implementation of appropriate actions; and

2.3.7.3 ensuring that detailed records are made of all such actions and investigations.

2.3.8 The Operator shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any actions taken.

## **2.4 Efficient use of raw materials**

2.4.1 The Operator shall maintain the raw materials detailed in tables or descriptions submitted in response to Section B2.4 of the application and in particular consider on a periodic basis whether there are suitable alternative materials to reduce environmental impact.

2.4.2 Carry out periodic waste minimisation audits and water use efficiency audits. If such an audit has not been carried out in the 2 years prior to the issue of this Permit, then the first such audit shall take place within 2 years of its issue. The methodology used and an action plan for increasing the efficiency of the use of raw materials or water shall be submitted to the LA within 2 months of completion of each such audit and a review of the audit and a description of progress made against the plan shall be submitted to the LA at least every 4 years thereafter.

2.4.3 The Operator shall annually review alternatives for the principle types of raw materials used with regard to their environmental impact.

2.4.4 The operator shall use BAT to minimise the emission of dust from the storage and handling of raw materials. Provide always that the techniques used by the operator shall be no less effective than those described in the application where relevant.

## **2.5 Waste Storage and Handling**

2.5.1 The Operator shall design, maintain and operate facilities for the storage and handling of waste such that there are no releases to water or land during normal operation, and that emissions to air and the risk of accidental release to water and land are minimised.

2.5.2 The waste handling arrangements shall form part of the Environmental Management System required by condition 1.3 and shall be periodically reviewed in order to demonstrate that the best environmental options are being used for dealing with waste from the installation.

2.5.3 Prescribed substances detailed in List I and II of the Ground water

---

**PERMIT**

---

Regulations 1998 (S.I. 1998 No. 2746) shall be stored and disposed of as detailed in tables or descriptions submitted in response to Section B2.6 of the application.

**2.6 Waste recovery or disposal**

- 2.6.1 Using information gathered from the periodic review of raw materials used in the process, the Operator shall investigate any opportunities for reducing waste and opportunities for maximising recycling should be assessed and, where appropriate, should be carried out in accordance with a timescale approved by the Regulator. This shall form part of the Environmental Management System required by condition 1.3.
- 2.6.2 The Operator shall maintain and implement a system, which ensures that a record is made of the quantity, composition, origin, destination (including whether this is a recovery or disposal operation) and where relevant removal dates of any waste that is produced at the Permitted Installation. This does not include any process water recycled as part of the specified activity.

**2.7 Energy Efficiency**

- 2.7.1 The Operator shall produce a report on the energy consumed at the Permitted Installation over the previous calendar year by 31 March each year.
- 2.7.2 The Operator shall maintain and update annually an energy management system, which shall include, in particular, the monitoring of energy flows and targeting of areas for improving energy efficiency.
- 2.7.3 The Operator shall develop and introduce an energy reduction programme to optimise energy utilisation.
- 2.7.4 The Operator shall comply with the Climate Change Agreement detailed in B2.7 of the application, and in doing so shall:
- Make available to the Regulator on request the results of all external audits as part of the annual energy report;
  - Make available to the Regulator on request records of all internal audits, which shall be retained on site, and
  - Make available to the Regulator on request a copy of each certificate indicating the payable rate of Climate Change Levy within 4 weeks of receipt.

**NOTE: The above requirements may be varied due to the combined site Climate Change Agreement currently in place. Reporting requirements will be dependant upon future DEFRA**

---

---

**PERMIT**

---

**advice.**

- 2.7.5 The Operator shall ensure that that all plant and equipment forming the installation is designed operated and maintained to optimise the use and minimise the loss of energy as far as is reasonably practicable, in particular by:
- Ensuring that the appropriate operating and maintenance systems are in place;
  - Ensuring that all plant is adequately insulated to minimise energy loss or gain;
  - Ensuring that all appropriate containment method are employed and maintained to minimise energy loss;
  - Employing appropriate basic control, such as simple sensors and timers, to avoid unnecessary discharge of heated water to air;
  - Ensure that the plant is operated and maintained in such a way as to eliminate wasteful practices and minimise the consumption of gas, electricity and water; and
  - Undertake annual energy audits to identify opportunities for reducing energy consumption.
- 2.7.6 The Operator shall maintain and update annually the Energy Plan as detailed in section 2.7 of the Permit application to demonstrate condition 2.7.5 above. The effective management of energy efficiency matters shall be maintained as part of the Environmental Management System required by condition 1.3.

**2.8 Accident prevention and control**

- 2.8.1 The Operator shall maintain and implement when necessary the accident management plan submitted or described in response to Section B2.8 of the Application. The plan shall be reviewed at least every 2 years or as soon as practicable after an accident, whichever is the earlier, and the LA notified of the results of the review within 2 months of its completion.

**2.9 Noise and Vibration**

- 2.9.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce emissions of noise and vibration from the Permitted Installation, in particular by:-
- equipment maintenance, e.g. of fans, pumps, motors, conveyors and mobile plant;
  - use and maintenance of appropriate attenuation, eg silencers, barriers, enclosures;
  - timing and location of noisy activities and vehicle movements;
  - periodic checking of noise emissions, either qualitatively or quantitatively; and
-

**PERMIT**

---

- maintenance of building fabric.

Provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

**2.10 On-site Monitoring**

- 2.10.1 The Operator shall maintain and implement an emissions monitoring programme which ensures that emissions are monitored from the specified points, for the parameters listed in and to the frequencies and methods described in Table 2.2.2 unless otherwise agreed in writing, and that the results of such monitoring are assessed. The programme shall ensure that monitoring is carried out under an appropriate range of operating conditions.

**2.11 Closure and Decommissioning**

- 2.11.1 In the event of the site closure, the operator shall produce and submit to the Local Authority, 6 months before the intended closure date, a site closure plan. The site closure plan should demonstrate that the installation could be decommissioned avoiding any pollution risk and returning the site of operation to a satisfactory state.
- 2.11.2 The site closure plan shall be implemented on final cessation or decommissioning of the Permitted activities or part thereof.

**PERMIT**

---

**3.0 Records**

- 3.1 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:-
- 3.1.1 be made available for inspection by the LA at any reasonable time;
  - 3.1.2 be supplied to the LA on demand and without charge;
  - 3.1.3 be legible;
  - 3.1.4 be made as soon as reasonable practicable;
  - 3.1.5 indicate any amendments which have been made and shall include the original record wherever possible;
  - 3.1.6 be retained at the Permitted Installation, or other location agreed by the LA in writing, for a minimum period of 4 years from the date when the records were made, unless otherwise agreed in writing; and
  - 3.1.7 where they concern the condition of the site of the Installation is kept at the Permitted Installation, or other location agreed by the LA in writing, until all parts of the Permit have been surrendered.

**PERMIT**

---

**4.0 Reporting**

- 4.1.1 All reports and written and or oral notifications required by this Permit and notifications required by Regulation 16 of the PPC Regulations shall be made or sent to the LA using the contact details notified in writing to the Operator by the LA.
- 4.1.2 The Operator shall submit to the LA a report on the performance of the Permitted Installation over the previous year by 31 March each year, providing the information detailed in Schedule 2
- 4.1.3 The Operator shall review fugitive emissions, having regard to the application of Best Available Techniques, on an annual basis or such other period as shall be agreed in writing by the LA and a summary report on this review shall be sent to the LA detailing such releases and the measures taken to reduce them within 3 months of the end of such period.
- 4.1.4 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 March in each year, provide a summary report of the previous year's progress against such targets.

**PERMIT**

---

**5.0 Notifications**

- 5.1.1 The Operator shall notify the Local Authority without delay of:
- 5.1.1.1 the detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
  - 5.1.1.2 the detection of any fugitive emission which has caused, is causing or may cause significant pollution unless the quantity emitted is so trivial that it would be incapable of causing significant pollution;
  - 5.1.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause significant pollution; and
  - 5.1.1.4 any accident which has caused, is causing or has the potential to cause significant pollution.
- 5.1.2 The operator shall submit written confirmation to the LA of any notification under condition 5.1.1 by sending:
- 5.1.2.1 the information listed in Part A of schedule I to this Permit within 24 hours of such notification; and
  - 5.1.2.2 the more detailed information listed in part B of that Schedule as soon as practicable thereafter;
- and such information shall be in accordance with that Schedule.
- 5.1.3 The operator shall give written notification as soon as practicable prior to any of the following:
- 5.1.3.1 permanent cessation of the operation of part or all of the Permitted installation;
  - 5.1.3.2 cessation of operation of part or all of the Permitted Installation for a period likely to exceed 1 year; and
  - 5.1.3.3 resumption of the operation of part or all of the Permitted Installation after a cessation notified under condition 5.1.3.2.
- 5.1.4 The Operator shall notify the LA as soon as practicable, of any information concerning the state of the site which affects or updates that provided to the LA as part of the application for this Permit.
- 5.1.5 The Operator shall notify the following matters to the LA in writing
-

**PERMIT**

---

within 14 days of their occurrence:

- 5.1.5.1 Any change in the Operator's trading name, registered name or registered office address;
  - 5.1.5.2 Any change to particulars of the Operator's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary);
  - 5.1.5.3 Any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up;
- 5.1.6 Where the Operator has entered into a Climate Change Agreement with the government, the Operator shall notify the LA within one month of: -
- 5.1.6.1 a decision by the Secretary of State not to re-certify the Agreement;
  - 5.1.6.2 a decision by either the Operator or the Secretary of State to terminate that agreement;
  - 5.1.6.3 any subsequent decision by the Secretary of State to re-certify such an Agreement.
- 5.1.7 Where the Operator has entered into a Direct Participant Agreement in the Emissions Trading Scheme which covers emission relating to the energy consumption of the activities, the Operator shall notify the LA within one month of:-
- 5.1.7.1 a decision by the Operator to withdraw from or the Secretary of State to terminate that agreement;
  - 5.1.7.2 a failure to comply with an annual target under that Agreement at the end of the trading compliance period.

**PERMIT**

---

**6.0 Interpretation**

6.1.1 In 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 other written information provided by the Operator for consideration in the determination of the Permit, and any operational change agreed under the conditions of this Permit.

“Authorised Officer” means any person authorised by the LA 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(4) of that Act.

“background concentration” means such concentration of that substance as is present in:

- water supplied to the site, or
- where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
- where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation on to the site.

“BAT” best available techniques means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the environment as a whole. For these 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 reasonable 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” and “techniques” “includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned”. In addition, Schedule 2 of the PPC Regulations has effect in relation to the determination of BAT.

“Fugitive emission” means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.2.1.3 and 2.2.2.2 of this Permit.

“Groundwater” means all water which is below the surface of the ground

---

**PERMIT**

---

in the saturation zone and in direct contact with the ground or subsoil.

“ $LA_{eqT}$ ” means the equivalent continuous A-weighted sound pressure level in dB determined over time period T.

“ $LA_{90T}$ ” means the A-weighted sound level measurement in dB exceeded for 90% of the time period T.

$LAF_{max}$ ” means the maximum A weighted sound level measurement in dB measured with a fast time weighting.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“Monitoring” includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

“Permitted Installation” means the activities and the limits to those activities described in Table I.1.1 of this Permit.

“PPC Regulations” means the Pollution, Prevention and Control (England and Wales) Regulations SI 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 specifically defined in this Permit.

“Sewer” means sewer within the meaning of section 219(1) of the Water Industry Act 1991.

“Staff” includes employees, directors or other officers of the Operator, and any other person under the Operator’s direct or indirect control, including contractors.

“Year” means calendar year ending 31 December.

6.1.2 Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

6.1.3 Unless otherwise stated any references in this Permit to concentrations of substances in emissions into air means: -

6.1.3.1 in relation to gases from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

6.1.3.2 in relation to gases from non-combustion sources, the concentration at temperature of 273K and at a pressure of 101.3

---

**PERMIT**

---

kPa, with no correction for water vapour content.

- 6.1.4 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

**PERMIT****Schedule I – Notification of abnormal emissions**

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the PPC Regulations.

**Part A**

Permit Number	
Name of Operator	
Location of Installation	
Location of the emission	
Time and date of the emission	

Substance(s) emitted	Media	Best estimate of the quantity or the rate of emission	Time during which the emission took place

Measures taken, or intended to be taken, to stop the emission	
---	--

**Part B**

Any more accurate information on the matters for notification under Part A	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission	
The dates of any unauthorised emissions from the installation in the preceding 24 months.	

**PERMIT**

---

Name*	
Post:	
Signature	
Date	

\* authorised to sign of behalf of Charnwood Forest Brick Ltd

**PERMIT**

---

**Schedule 2 – Reporting of monitoring data**

Parameters for which reports shall be made, in accordance with condition 4.1.2 of this Permit, are listed below.

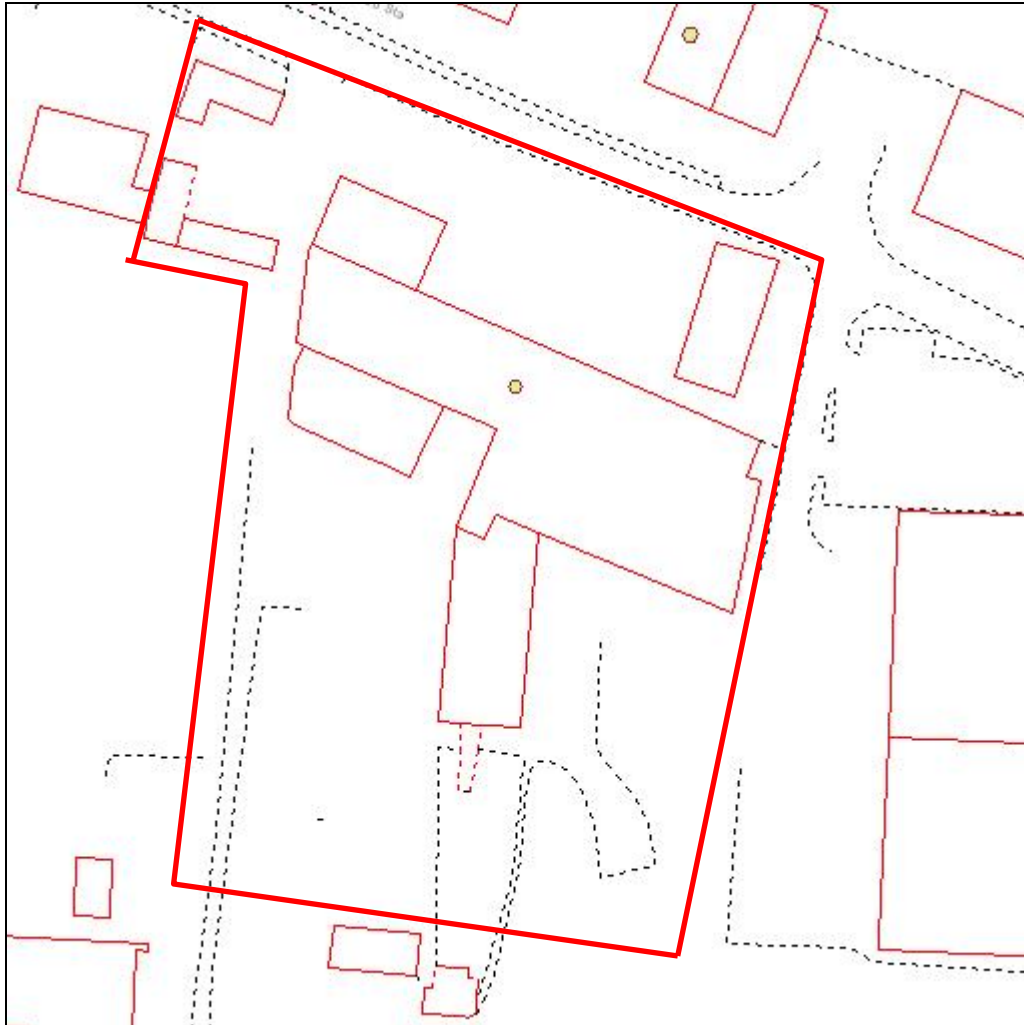
Table S2: Reporting Parameters

<b>Parameter</b>	<b>Emission Point</b>	<b>Reporting Period</b>	<b>Period Begins</b>
Energy Usage	N/A	Every 12 months	01.01.06
Waste disposal and/or recovery	N/A	Every 12 months	01.01.06
Water Usage	N/A	Every 12 months	01.01.06

- from prescribed activities only.

### Schedule 3 – Site Plan

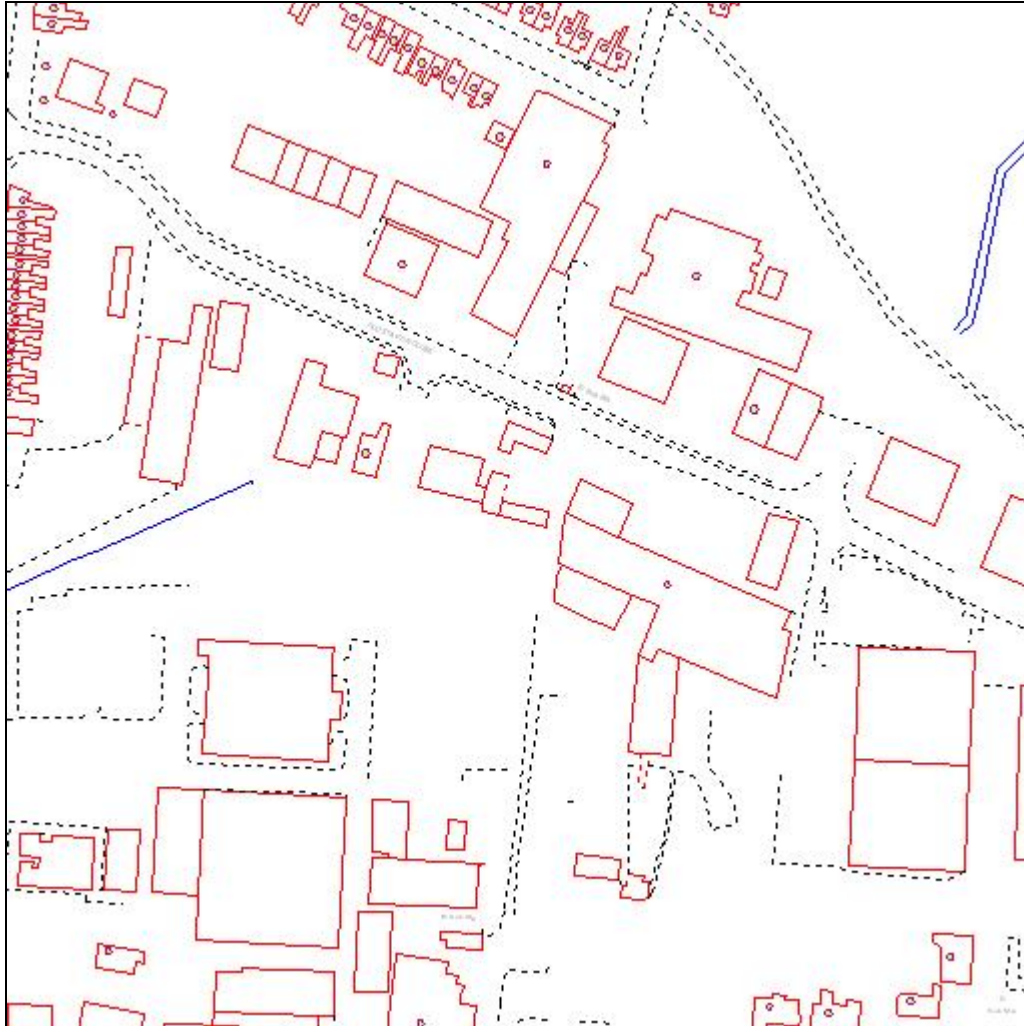
Figure 1, Installation Boundary.



**PERMIT**

---

Figure 2, Site Location



“Reproduced from the Ordnance Survey map with the permission of the Controller of Her Majesty’s Stationery Office © Crown Copyright 2000. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings.”

**END OF PERMIT**