



# GAUTENG PROVINCE

AGRICULTURE AND RURAL DEVELOPMENT  
REPUBLIC OF SOUTH AFRICA

## FAX COVER

**TO:**

Tshilidzi Dlamini

**COMPANY:**

PPC Limited

**FAX NUMBER:** (011) 386 9117

**FROM:**

Mr. Lenni Motha

**DATE:**

**TOTAL NO. OF PAGES, INCLUDING  
COVER:** 12

**PHONE NUMBER:** (011) 386 9122

**CC: DIRECTOR:** Environmental Compliance  
Monitoring (GDARD), Ms. Cecilia Petlane

**PHONE NUMBER:** (011) 240 2555

**FAX NUMBER:** (011) 240 2770

**RE:**

**Positive Environmental Authorisation:**

Proposed new material additional at PPC

Jupiter

**REFERENCE NUMBER:**

002/13-14/E0054

URGENT    FOR REVIEW    PLEASE COMMENT    PLEASE REPLY    PLEASE RECYCLE

**Comments:**



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**Reference:** Gaut 002/13-14/E0054  
**Enquiries:** Lenni Motha  
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PPC Limited  
P.O. Box 787416  
SANDTON  
2146

**Attn:** Tshilidzi Dlamini  
**Fax no:** (011) 386 9117

**PER FACSIMILE & REGISTERED MAIL**

**GDARD**  
**Office of the HOD**

14 -33-27 000036

Dear Sir/Madam

**APPLICATION FOR ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED UPGRADE OF THE EXISTING INFRASTRUCTURE TO INCLUDE A NEW MATERIAL INTO THE CEMENT MANUFACTURING PROCESS AT PPC JUPITER.**

The Department has decided to grant authorisation. The environmental authorisation and reasons for the decision are attached herewith.

In terms of regulation 10(2) of the Environmental Impact Assessment Regulations, 2010 ("the regulations"), you are to notify all registered interested and affected parties, in writing and within 12 (twelve) calendar days of the date of this letter, of the Department's decision in respect of your application as well as the provisions regarding the making of appeals that are provided for in the regulations.

Your attention is drawn to Chapter 7 of the Regulations which regulates appeal procedures. Should you wish to appeal any aspect of the decision, you must, *inter alia*, lodge a notice of intention to appeal with the MEC within 20 (twenty) days of the date of this letter, by means of one of the following methods:

By facsimile: (011) 333 0620;

By post: P.O. Box 8769, Johannesburg 2000;

By hand: 16<sup>th</sup> Floor, Diamond Corner Building, 68 Eloff Street, Johannesburg.

Should you decide to appeal, you must serve a copy of your notice of intention to appeal on all registered interested and affected parties as well as a notice indicating where, and for what period, the appeal submission will be available for inspection.

A copy of the appeal application form is available on request or can be obtained from the Departmental website i.e. [www.gdard.gpg.gov.za](http://www.gdard.gpg.gov.za).

Yours faithfully



Ms. T. R. Mbassa-Sigabi

Head: Agriculture and Rural Development

Date: 27/03/14

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**Office of the HOD**

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cc GIBB (Pty) Ltd

Attn: Tashriq Naicker  
Tel: 012 348 5880  
Fax: 012 348 5878

City of Johannesburg

Attn: Mrs Lebo Molefe  
Tel: 011 587 4205  
Fax: 011 587 3902

Director Environmental Compliance Monitoring  
(GDARD)

Attn: Ms. Cecilia Petlane  
Tel: 011 355 1993  
Fax: 011 355 1850



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## Environmental Authorisation

**GDARD**  
Office of the HOD

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**Authorisation register  
number:**

*Gaut 002/13-14/E0054*

**Holder of authorisation:**

*PPC Limited*

**Location of activity:**

*Portion 344 of the farm  
Doorfontein No. 92 IR,  
Heriotdale, Gauteng  
Province*

## Decision

The Department is satisfied, on the basis of the information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake the activities specified below.

Details regarding the basis on which the Department reached its decision are set out in Annexure 1.

### Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2010 the Department hereby authorises **PPC Limited** with the following contact details –

Tshilidzi Dlamini  
P. O. Box 787416  
SANDTON  
2146

**GDARD**  
**Office of the HOD**

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**Fax number:** (011) 386 9117

to undertake the following activities (hereafter referred to as “the activity”) –

The proposed upgrade of the existing infrastructure to include a new material into the cement manufacturing process at the existing Pretoria Portland Cement Jupiter site listed as Activity 28 in terms of Government Notice R. 544 of Environmental Impact Assessment Regulation 2010, promulgated in terms of section 24 (5) and 44 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (as amended), located on Portion 344 of the farm Doorfontein No. 92 IR, Heriotdale, which falls within the Jurisdiction of City of Johannesburg, hereafter referred to as the “property”.

The granting of this environmental authorisation is subject to the conditions set out below.

## Conditions

### Scope of authorisation

- 1.1 Authorisation of the activity are subject to the conditions contained in this authorisation, which conditions form part of the environmental authorisation and are binding on the holder of the authorisation.
- 1.2 The holder of the authorisation shall be responsible for ensuring compliance with the conditions by any person acting on his or her behalf, including but not limited to, an agent, sub-contractor, employee or person rendering a service to the holder of the authorisation.
- 1.3 The activity which is authorised may only be carried out at the property indicated above.
- 1.4 Any changes to, or deviations from, the project description set out in this authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further authorisation in terms of the regulations.
- 1.5 This activity must commence within a period of two (2) years from the date of issuing. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activities to be undertaken.
- 1.6 This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

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### Appeal of authorisation

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- 1.7 The holder of the authorisation must notify every registered interested and affected party, in writing and within ten (10) calendar days, of receiving notice of the Department's decision to authorise the activity.
- 1.8 The notification referred to in 1.7 must –
  - 1.8.1 specify the date on which the authorisation was issued;
  - 1.8.2 inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the regulations; and
  - 1.8.3 advise the interested and affected party that a copy of the authorisation and reasons for the decision will be furnished on request.

**Management of the activity**

- 1.9 The commitments and recommendations in all submitted documentation, including the Environmental Management Programme (EMPr) are an extension of this authorisation and are binding to all contractors and operators on site and must be implemented.

**Monitoring**

- 1.10 Air quality monitoring must be conducted in accordance with the requirements of the Atmospheric Emission License (AEL) issued by City of Johannesburg Metropolitan Municipality.
- 1.11 Monthly inspection of safety requirements associated with the facility must be conducted. Any faults or leaks detected must be repaired immediately. A register must be kept on site confirming that this has been complied with and this register must be included in the annual audit report.

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**Recording and reporting to the Department**

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- 1.12 The holder of the authorization must adhere to all requirements or conditions of the permit (s) or license (s) obtained from relevant authorities for the proposed facility. Compliance with the requirements of such permit (s) or license (s) must be discussed in the annual audit report.
- 1.13 This Department and the Department of Water Affairs (DWA) must be informed of any environmental and pollution incidents relating to the proposed activity within twenty four (24) hours of such incidents occurring.
- 1.14 The applicant must notify the Department within twenty four (24) hours if any condition of this authorisation cannot, or is not, adhered to. The notification must be supplemented with reasons for non-compliance and proposed remedial steps.
- 1.15 An annual environmental performance audit must be conducted at the site by an independent consultant and the results which include the aspects of concern, the audit findings related to those identified aspects, the action plan, the commitments and the time frames for implementation must be made available to this Department on request. The annual audit must include, but not limited to the following:
- 1.15.1 Confirmation that:
- all construction activities were carried out in accordance with relevant SANS codes of practice;
  - basic firefighting equipments are available on site;
  - all permits or licenses applicable to the operation of the proposed facility were obtained from relevant authorities;
  - records of waste and effluent disposed/removed from the site in terms of the manifest system being kept by the holder of the authorisation; and

- 1.15.2 Compliance with:
- a. the conditions of the authorization;
  - b. the requirements of the Atmospheric Emission License (AEL) issued by City of Johannesburg Metropolitan Municipality in terms of National Environmental Management: Air Quality Act (Act No. 39 of 2004).
  - c. the requirements of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993); and
  - d. the EMPr and Emergency Response Plan.
- 1.15.3 Update of emergency procedures and fire drills.
- 1.15.4 Proof that an Emergency Response Plan was approved by City of Johannesburg Metropolitan Municipality.
- 1.15.5 Results of the annual and any other pressure testing exercised.
- 1.15.6 Proof that emissions associated with the operation of the facility do not exceed relevant Occupational Exposure Limits.

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**Construction and Commissioning of the activity**

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- 1.16 The proposed facility and mitigation measures must be undertaken by an experienced professional, in accordance with all applicable SANS codes of practice. A certificate of compliance with such SANS codes must be included in the annual audit report.
- 1.17 An effective stormwater management system separating clean and dirty stormwater must be constructed to reduce surface water contamination.
- 1.18 Municipal by-laws applicable to the proposed development must be strictly adhered to.
- 1.19 Dust generated during construction must be minimized by applying appropriate dust suppression techniques as stipulated in the Environmental Management Programme.
- 1.20 Effective measures must be undertaken to minimize the flow of surface water to the excavation area during the construction phase.
- 1.21 Prevention of erosion or leaching of water from stockpiles must be maintained during the construction phase.
- 1.22 No stockpile material must be stored or placed within any drainage line on site.
- 1.23 All fuels and lubricants used during the construction phase must be stored in a demarcated area with bund walls in accordance with applicable standards. The storage and handling facility must also comply with all regulations governing the storage and handling of those materials.
- 1.24 Where engine oil, diesel or solvent materials are accidentally spilled on the ground, the contaminated soil must be immediately excavated and remediated using appropriate and applicable methods or removed to a suitable waste disposal facility and the site must be rehabilitated to the satisfaction of this Department and the Department of Water Affairs (DWA). The opportunity for the on-site remediation and re-use of contaminated soil must be investigated prior to disposal and the Department must be informed in this regard.



- 1.25 No unauthorised access must be allowed on site during the construction phase. Appropriate notification signs must be erected, warning the residents, visitors and road users about the hazard around the construction site and the presence of heavy vehicles.
- 1.26 Acceptable rehabilitation (where appropriate) must be undertaken during construction and after the commissioning of the proposed activity.
- 1.27 All access roads and off loading zones must be paved.
- 1.28 It must be mandatory for all personnel and construction team members to wear appropriate Personal Protective Equipment (PPE).
- 1.29 Personnel must be informed and trained in firefighting and risk management measures.
- 1.30 Construction vehicles must be kept in good working conditions so as not to generate excessive noise.
- 1.31 An Environmental Control Officer (ECO) must be appointed/designated to ensure that regular inspections are performed during the construction phase to ensure the implementation of mitigation measures. Furthermore, an ECO must monitor the applicant's compliance with all the conditions of this authorisation.

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#### **Operation of the activity**

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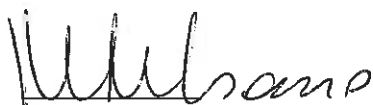
- 1.32 The holder of Authorisation will be held liable for any damage that may be caused to the environment which results from any activity related to the construction and operation of the proposed development.
- 1.33 The holder of Authorisation must ensure compliance with conditions of the Atmospheric Emission License (AEL) for the operation of the facility issued by relevant local authority as well as any other future legislation and amendments thereof. Requirements of any other government Department must also be complied with.
- 1.34 The holder of Authorisation must conform to the design criteria for the facility in order to obtain maximum efficiency during the operation of the whole facility.
- 1.35 The Emergency Response Plan must be approved by City of Johannesburg Metropolitan Municipality.
- 1.36 The holder of Authorisation must ensure compliance with the requirements of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).
- 1.37 The operation of the plant as a whole must comply with the Occupational Health and Safety Act (No. 85 of 1993) and sound Occupational Hygiene Procedures implemented and improved upon. Engineering control measures must be considered as first choice for mitigation.
- 1.38 All effluent must meet both the relevant local authority and Department of Water Affairs (DWA) standards before discharge into the municipal sewer system. Records to ensure compliance in this respect must be maintained. No contaminated effluent must be discharged into the stormwater drain.
- 1.39 All waste streams must be managed in accordance with the hierarchy of waste management principles.

- 1.40 Only waste transporters with the appropriate authorization must be used to remove hazardous waste from the site. The holder of authorization must maintain records of Safe Disposal Certificates for all waste leaving the site. These records must be made available on request within seven (7) days.
- 1.41 Anyone entering the working area of PPC Limited Jupiter site must wear protective clothing in order to avoid extreme exposure.

#### Site closure and decommissioning

- 1.42 Should the site for any reason be closed, a detailed decommissioning plan must be submitted to this Department for approval at least thirty (30) days prior to the decommissioning of the facility. The decommissioning plan must include discussions on the management of all possible environmental impacts envisaged during the closure of the activity.
- 1.43 A copy of this authorisation must be kept at the property where the activity will be undertaken. The authorisation must be produced to any authorised official of the Department who requests to see it and must be made available for inspection by any employee or agent of the holder of the authorization who works or undertakes work at the property.
- 1.44 Where any of the applicant's contact details change, including the name of the responsible person, the physical or postal address and/or telephonic details, the applicant must notify the Department as soon as the new details become known to the applicant.
- 1.45 The holder of the authorisation must notify the Department, in writing and within twenty four (24) hours, if condition 1.9 to 1.46 of this authorisation cannot be or is not adhered to. In all other cases, the holder of the authorisation must notify the Department, in writing, within seven (7) days if a condition of this authorisation is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance.
- 1.46 Non-compliance with a condition of this authorization may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 2010 and the regulations.

Date of environmental authorisation: 27/03/14



Ms. T. R. Mbasia-Sigabi

Head: Agriculture and Rural Development

Date: 27/03/14

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Office of the HOD

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## Annexure 1: Reasons for Decision

### 1. Background

The applicant, PPC Limited applied for authorisation to carry out the following activity:

The proposed upgrade of the existing infrastructure to include a new material into the cement manufacturing process at the existing Pretoria Portland Cement Jupiter site, located on Portion 344 of the farm Doorfontein No. 92 IR, Heriotdale, Gauteng Province.

The applicant appointed GIBB (Pty) Ltd to undertake Environmental Impact Assessment process. The process followed includes the following:

- a) Submission of the application form in terms of NEMA EIA Regulations, 2010 received by the Department on 22 May 2013;
- b) Submission of the Basic Assessment Report (BAR), received by the Department on 07 October 2013.

### 2. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration:

- a) The information contained in-
  - Application form received by the Department on 22 May 2013; and
  - The Basic Assessment Report (BAR), received by the Department on 07 October 2013.
- b) Relevant information contained in the Departmental information database including -
  - Geographic Information Systems (GIS).
- c) Section 2 of the NEMA Act (Act No. 107, 1998).

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### 3. Key factors considered in making the decision

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All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance are set out below.

- a) Possible impacts that could result from the activity and mitigation measures as discussed in the EMPr.
- b) The occupational health and safety of the workers, particularly exposure to hazardous substances.
- c) The need and desirability of the proposed activity.

#### 4. Findings

After consideration of the information and factors listed above, the Department made the following findings:

- a) The application is for the proposed upgrade of the existing infrastructure to include a new material into the cement manufacturing process at the existing Pretoria Portland Cement Jupiter site;
- b) The proposed changes will be confined to within the existing footprint and will have no effect of the character of the site or the surrounding area;
- c) The input of the new material will aid in cement extension and will therefore reduce the amount of clinker that is used in the cement manufacturing process;
- d) The proposed activity will decrease Carbon footprint per ton of cement and energy required per tonne of cement produced will also decrease;
- e) Enclosed bulk tankers will be used to transport and deliver the additive material to the site;
- f) The additive material will be offloaded into a storage silo equipped with a dust collector to eliminate most of the dust generated through the pneumatic offloading process;
- g) From the silo, the additive material will be transported to the milling circuit through enclosed conveying system;
- h) Once introduced into the finishing mill, the material will be mixed with clinker, gypsum and other extenders to produce cement;
- i) The finishing mill has an existing bag house filter associated with will capture the dust generated through this process;
- j) An EMPr has been submitted to the Department and has been found to be adequate;
- k) Alternatives to the proposed activity were considered objectively;
- l) The AEL will be applied for to cater for the proposed development;
- m) Public participation process was conducted according to Departmental requirements; and
- n) The mitigation measures provided in the Environmental Management Programme (EMPr) submitted to this Department are considered adequate for the management of the proposed activity.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the proposed activity will not conflict with the general objectives of integrated environmental management laid down in Chapter 3 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the proposed activity can be mitigated to acceptable levels. The authorisation is accordingly granted.

**GDARD**  
**Office of the HOD**

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