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## GENERAL NOTICE

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### NOTICE 4267 OF 2007

**NOTICE IN TERMS OF SECTION 32 OF THE ENVIRONMENT CONSERVATION ACT, 1989 (ACT NO 73 OF 1989), IN RESPECT OF THE OPERATIONS AT PPC JUPITER PLANT, PORTION 344 (PORTION OF PORTION 89 OF THE FARM DOORFONTEIN NO 92 IR), GERMISTON, JOHANNESBURG**

I, Dr Steven Thomas Cornelius, Head of the Department of Agriculture, Conservation and Environment, Gauteng ("the Department") hereby give notice in terms of section 32 of the Environment Conservation Act, 1989 (hereinafter "the Act") that I intend to issue a directive in terms of section 31A of the Act to PPC Limited (hereinafter "PPC") in the terms set out hereunder:

"I, Dr Steven Thomas Cornelius, Head of the Department of Agriculture, Conservation and Environment, Gauteng, hereby direct PPC:

1. to submit a report indicating the time frames for completion of the upgrade within 2 (two) months from the date of the directive.
2. to make available to the Department final design plans for the site layout as soon as they are available. The above design plans must include information on specific pollution prevention measures (e.g. bag filters etc.) and compliance with relevant SANS standards.
3. to compile and submit to the Department an Environmental Monitoring Program (EMP) within 2 (two) months from date of the directive. The EMP must outline potential environmental impacts during the construction, operational and decommissioning phases of the project. The EMP must include discussions on, but not be limited to, the following:
  - Air quality;
  - Water (surface and ground);
  - Soil;
  - Waste management; and
  - Biophysical and cultural issues.

Responsible officials (employed by PPC Limited) must also be indicated for the implementation of the mitigation measures.

4. to comply fully with all commitments and recommendations specified in the Environment Monitoring Program, Emergency Plan, and Critical Management Controls.

5. to develop an auditable Preventative Maintenance Plan for all equipment where failures might have a detrimental effect on the environment within 3 (three) months of the date of this directive. A discussion on the implementation of and compliance with the maintenance plan must be included in the annual audit report.
6. to enclose or cover all conveyer belts, transfer chutes and other permanently installed transportation equipment.
7. to ensure that the first annual environmental performance audit for the facility (including the fuel tanks on site) is conducted by an independent consultant and the results submitted to this Department within 12 (twelve) months of the date of the directive. In addition to the issues raised in separate requirements of the directive, the annual audit should also include the following:
  - i. Any incidents occurring.
  - ii. Compliance with the requirements of the directive.
  - iii. Compliance with the EMP and other plans.
  - iv. Monthly fuel volume accepted and monthly volume consumed including a discussion on any discrepancies.
  - v. Confirmation that maintenance of pumps and equipment has been undertaken according to a maintenance register.
  - vi. Update of emergency procedures and fire drills.
  - vii. Confirmation of conformance of operation to industry standards and SANS codes.
  - viii. Confirmation that the separator is working correctly and is appropriately maintained.
8. to compile and maintain an emissions inventory that identifies all point, mobile and fugitive sources, types, concentrations and mass flow of all pollutants that emanate from the proposed facility within 12 (twelve) months from the date of the directive. The emission register must be externally verified and a copy included in the first annual audit report discussing the level of confidence of the accuracy and precision of the data. Any subsequent amendments of the emission inventory must be discussed in the following annual audit reports.
9. to include the results of the stack online emission monitoring for carbon monoxide, carbon dioxide, oxides of nitrogen and sulphur dioxide in the annual report which must be submitted to this department.
10. to include the results of the iso-kinetic sampling done on the kiln stack in the annual audit report.

11. to carry out (on a continuous basis) monitoring of the ambient air quality on the perimeter of the site. Monitoring of ambient air quality must commence within 12 (twelve) months of the date of the directive.
12. to implement mitigation measures for areas of high pollution from the operations and report on the implementation of these measures in the annual audit report.
13. to ensure that the monitoring equipment is maintained and calibrated according to the manufacturers recommendations.
14. to keep an updated maintenance register on site.
15. to implement a quality assurance and quality control plan for the ambient air quality monitoring and submit this plan to the Department with the first annual audit report.
16. to conduct an evaluation of monitoring results on a monthly basis in order to assess compliance with this authorisation.
17. to implement remediation measures in the event that, due to the operation of the plant, the ambient air concentrations exceed the national standards set by the Department of Environmental Affairs and Tourism ("DEAT").
18. to include a summary of the ambient air quality monitoring results in the annual environmental audit report.
19. to ensure that the quality of effluent/contaminated surface water that is discharged from the facility complies with the standards and guidelines set in terms of the National Water Act (1998) as well as the applicable local authority standards.
20. to ensure that hazardous waste is separated from non-hazardous waste, and managed and disposed of at a licensed facility or in a manner approved by this Department and the DEAT.
21. to maintain records of all Safe Disposal Certificates in relation to all hazardous wastes leaving the site. These records must be made available to any official of this Department upon request.
22. to collect all other waste comprising of non-hazardous materials and either recycle or dispose of it at a licensed landfill site.
23. to include a summary of the volume of all solid and liquid waste that is disposed of in the annual audit report.
24. to ensure that all chemical storage areas have suitable spill kits for use in case of any accidental chemical spillages in order to prevent storm water contamination.

25. to appoint an Environmental Manager which must ensure that regular monitoring of the facility is undertaken as stipulated in the Environmental Monitoring Programme and to ensure the proper implementation of mitigation and management measures. Furthermore, the Environmental Manager must monitor the applicant's compliance with all the requirements of the directive.
26. to submit a decommissioning plan to the 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.
27. to report to the Department any emergency incident/accident related to the facility within 24 (twenty four) hours thereof. The report must indicate the cause of the incident/accident and steps taken to mitigate the negative impacts as well as measures of how to prevent a reoccurrence thereof.
28. to conduct weekly stock reconciliation of all fuel storage tanks and maintain a record of this.
29. to place any petroleum product from the separator in a dedicated container for disposal to a registered hazardous landfill site or removal by a registered toxic waste company.
30. to ensure that any subcontractor or service provider on site is aware of the conditions and requirements of the directive.

Take notice that it is my opinion that past and proposed development - and/or construction-related activities on the property by Pretoria Portland Cement Company Limited and/or its agents have or may seriously damage, endanger or detrimentally affect the environment.

The potential impacts include an increase in particulate matter and carbon dioxide into an airshed that is already being impacted on by industrial activities. The increase in particulate matter can have a negative impact on human health in particular, while carbon dioxide is a known greenhouse gas that contributes to global warming.

In addition, waste (including hazardous waste) will be generated by the proposed process after which it will be disposed to a landfill. Gauteng is a province heavily impacted by industrial waste, and the quantities being disposed currently are already posing a problem with regard to landfill space.

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Interested parties, including PPC, are requested to submit comments in connection with the proposed directive, which must reach my office within 30 (thirty) days of the date of publication of this notice.

Such comments are to be directed to my office:

by fax: 011 333 0667

by hand: 11<sup>th</sup> floor, Diamond Corner, 68 Eloff (corner Market) Street, Johannesburg; or

by mail: PO Box 8769, Johannesburg, 2000.

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