

PRETORIA PORTLAND CEMENT COMPANY LTD (DWAAALBOOM)	
Certificate Number	A 1326/1
Issued	2 September 2005
Period of validity	36 months
Situation	Remaining extent of Portion 2 of farm Scoongezicht 238 KP Thabazimibi municipality, Limpopo Province (925.384 ha)
Nature of Process	Cement Manufacturing Processes (No 22) A rotary kiln with preheater and precalciner, prate cooler, raw mill plant and cool mill plant, all equipped with exhaust gas cleaning equipment, will be used to produce clinker from lime stone and other raw materials.
Raw materials and products	Limestone, lava or shale, iron or fines, spent pot lining (SPL), coal
Products	Clinker – Peak 1 204 500 tons/annum Normal 3 300 tons/day
Appliances and measures to prevent air pollution	<p><u>Raw mill and kiln:</u></p> <ol style="list-style-type: none"> Dust (blended lime) from the raw mill and kiln is collected in a 6-compartment bag filter with the following specifications: <ol style="list-style-type: none"> Collection area: <i>(deleted)</i> m²; Air/cloth ratio: <i>(deleted)</i> m/min Emission flow rate: <i>(deleted)</i> Nm³/min (at 0°C and 1 atmosphere) Exit temperature: 105°C The dust emission concentration emitted at a height of 120 metres above ground level does not exceed 80 mg/Nm³ as measured at 0° and 1 atmosphere pressure. The final emission releases less than 7 grams/second of fluorine (measured as F) <p><u>Clinker cooler</u></p> <ol style="list-style-type: none"> Clinker dust from the clinker cooler is collected in a 3-field, single chamber electrostatic precipitator with the following specifications: <ol style="list-style-type: none"> Collecting area: 8 400m² Duct spacing: 400mm The electrostatic precipitator handles a gas stream of <i>(deleted)</i> Nm³/min (at 0°C and 1 atmosphere pressure) at an exit temperature of 305°C. The dust emission concentration does not exceed 80mg/Nm³ as measured at 0°C and 101.3 kPa. The final emission is at a height of 37 metres above ground level. <p><u>Coal plant</u></p> <ol style="list-style-type: none"> Coal dust from the coal plant is collected in a bag filter with the following specifications: <ol style="list-style-type: none"> Collecting area: <i>(deleted)</i> m² Air/cloth ratio: 1.25m/min The bag filter handles a gas stream of <i>(deleted)</i> Nm³/min (at 0°C and 1 atmosphere) at an exit temperature of 730°C. The dust emission concentration does not exceed 50 mg/Nm³ (at 0°C and 1 atmosphere) <p><u>Dust from other sources</u></p> <ol style="list-style-type: none"> Dust from conveying and handling systems (at transfer points, loading stations and storage silos) is kept to a minimum through the use of dedicated bag filters units to service these points. Low level dust is controlled through the implementation of a grassing and paving programme. <p><u>General</u></p> <ol style="list-style-type: none"> The main kiln stack will be provided with a continuous dust monitor. All air abatement equipment will be available at the prescribed efficiency for 96% of the operational time per month.
Disposal of effluents from	The disposal of all effluents will comply with the requirements of the relevant controlling authorities.

purification equipment	
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