

PRETORIA PORTLAND CEMENT COMPANY LIMITED – “SIRROCCO”, PORT ELIZABETH	
Certificate number	148/1
Issued	24 April 1986
Period of validity	Not stated
Situation	“Sirrocco”, of Old Grahamstown Road, Port Elizabeth; 30 ha
Nature of process	Limestone, clay, silica sand, crushed quartzitic sandstone and haematite are mixed and milled in ball mills. The product is calcined in a rotary kiln to produce cement clinker, which in turn is milled and mixed with gypsum to produce various grades of Portland cement. This is either delivered in bulk or packed in paper bags.
Raw materials	Limestone, clay, silica sand, quartzitic sandstone, haematite
Products	+/- 270 000 tons/year
Appliances and measures to prevent air pollution	<p>1. Raw mills 1 & 2: one electrostatic precipitator having two banks and three power packs. Stack height 15 (<i>illegible</i>). Raw mix transport system: One “Intensiv” bagfilter and three small “Dalmatic” bagfilters. Kiln feed and transport system: “Intensiv” bagfilter. Cement mill: “Intensiv” bagfilter. Packing plant: “Intensiv” bagfilter</p> <p>2. The kiln exhaust gases are passed through two cycles followed by an electrostatic precipitator. The e.s.p. consists of two parallel banks each of which has three chambers. The first chamber has its own power pack making it possible to link out individual chambers. The exhaust gases are discharged through a 73m high chimney.</p> <p>3. The concentration of dust in the exhaust gases shall not exceed, on a 24 hour average, 200 mg/m³ measured at 0°C and 760 mm Hg.</p>
Disposal of effluents from purification equipment	No effluents

Note: a letter dated 10 March 2006 indicates that a new certificate was issued, but we were not furnished with a copy of this.