

DEPARTMENT OF ENVIRONMENTAL AFFAIRS AND TOURISM
R E P U B L I C O F S O U T H A F R I C A

ATMOSPHERIC POLLUTION
PREVENTION ACT, 1965

REGISTRATION

CONCERNING SCHEDULING PROCESSES

WESTERN PLATINUM REFINERY

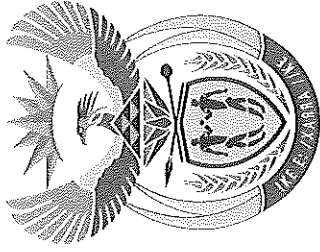
Is authorized to continue the processes listed below, with the equipment and plant as detailed in document number 662/4 on the premises known as Portions 5/130, 7/130, 8/130, 19/130 & 20/130, Vulcania Ext. 2, Brakpan, Gauteng.

1. WASTE INCENERATION PROCESSES [PROCESS No. 39 OF THE SECOND SCHEDULE].

CHIEF AIR POLLUTION CONTROL OFFICER (Acting)

Certificate Number 662/4

Date 13th December 2002



DEPARTMENT: ENVIRONMENTAL AFFAIRS AND TOURISM
REPUBLIC OF SOUTH AFRICA

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DIRECTORATE: AIR POLLUTION CONTROL

The General Manager
Western Platinum Refinery
P.O. Box 1021
BRAKPAN
1540 .

2003/07/28

Dear Sir,

REGISTRATION IN TERMS OF THE ATMOSPHERIC POLLUTION
PREVENTION ACT, 1965 (ACT 45 OF 1965)

Enclosed herewith amended page 3 of registration certificate No. 662/4 dated 2003/0/28 in respect of your waste incinerators.

Your attention is drawn to -

- a. part 4 of the document accompanying this certificate;
and
- b. section 12 of the Act which reads - " (1) A registration certificate shall be subject to the condition that all plant and apparatus used for the purpose of carrying on the scheduled process in question and all appliances for preventing or reducing to a minimum the escape into the atmosphere of noxious or offensive gases, shall at all times be properly maintained and operated and that the holder of the certificate shall ensure that all other necessary measures are taken to prevent the escape into the atmosphere of noxious or offensive gases

Yours faithfully

CHIEF AIR POLLUTION CONTROL OFFICER

1.

1. SITUATION AND EXTENT OF PLANT

Situation

Stands, T11678/1997 Portion 19/130 & T41399/1999 Portion 7/130 & T40633/1999 Portion 8/130 & T11678/1997 Portion 5/130 & T11678/1997 Portion 20/130, Vulcania Extension 2, Brakpan, Gauteng.

Extent

11,919 ha



CHEF AIR POLLUTION CONTROL OFFICER (Acting)

No. 662/4

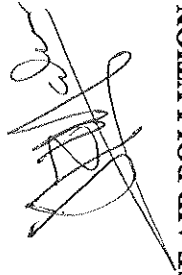
13 December 2002

2.

2. NATURE OF PROCESS

WASTE INCINERATION PROCESSES [No. 39].

The incineration of domestic and industrial waste in two gas fired incinerators.



CHIEF AIR POLLUTION CONTROL OFFICER (Acting)

No. 662/4

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3.

3. RAW MATERIALS AND PRODUCTS

Raw Materials

General waste : 60 kg/day (average)

Products

Ash



CHIEF AIR POLLUTION CONTROL OFFICER

No. 662/4

28 July 2003

4.

4. APPLIANCES AND MEASURES TO PREVENT AIR POLLUTION

1. The incinerators are fitted with a primary and a secondary burner.
2. The plant is operated with a secondary chamber temperature of not less than 850° C.
3. The retention time of the off-gases in the secondary combustion chamber is not less than 1 second at 850° C.
4. Off-gases are vented to atmosphere at a height of 12 metres above ground level.
5. All steps necessary are taken to prevent overloading/overcharging of the plant.
6. No waste materials are fed to the incinerator:
 - i. at start-up and until the minimum operation temperature is reached.
 - ii. until the charge is completely combusted.
 - iii. Whenever the minimum operation temperatures are not maintained.
 - iv. Until such time that the addition of more waste materials does not cause the design parameters of the incinerator not to be exceeded.
7. Both the primary and secondary chamber temperatures are maintained until all the waste materials are combusted
8. The incinerator is housed in a well ventilated room.
9. The availability of all air pollution control equipment will not be less than 96% of the operating time per any continuous period of thirty days at the emission limits set in this registration certificate.
10. When requested by this Directorate, the permit holder will within a reasonable time furnish any information required by law that is needed to determine compliance with the registration certificate.



CHIEF AIR POLLUTION CONTROL OFFICER (Acting)

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5.

5. DISPOSAL OF EFFLUENTS FROM PURIFICATION EQUIPMENT

All effluents must be disposed of in accordance with the requirement of the Water Act.



TOTAL NUMBER OF PAGES: 5

CHIEF AIR POLLUTION CONTROL OFFICER (acting)

No. 662/4

DIRECTORATE: AIR POLLUTION CONTROL DIVISION
PRIVATE BAG X447
PRETORIA 0001

13 December 2002