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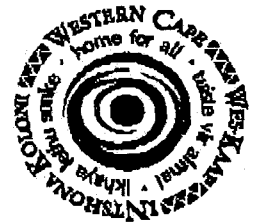
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Patrysfontein 228/1 OCGT

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2007-03-13



Departement van Omgewingsake en Ontwikkelingsbeplanning
Department of Environmental Affairs and Development Planning
ISebe leMicimbi yeNdalo esiNgqongileyo noCwangciso loPhuhliso

The Director
Eskom Holdings (Pty) Ltd.
PO Box 1091
JOHANNESBURG
2000

Attention: Mr Kuben Nair

Tel : (011) 800 2100

Fax: (011) 800 5140

Dear Sir

ACCEPTANCE OF THE AMENDED FINAL SCOPING REPORT AND A PLAN OF STUDY FOR EIA FOR ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR ADDITIONAL UNITS AT THE OPEN CYCLE GAS TURBINE ON PORTION 1 OF THE FARM PATRYSFONTEIN, MOSSEL BAY

1. The abovementioned document dated March 2007 (Reference No. 4263/401629) and received by the Department on 2 March 2007 refers.
2. This letter serves to inform you that the aforementioned document has been accepted by the Department with the following amendments:
3. The terms of reference of the various specialists must also include:
 - 3.1 Assessment of the cumulative effects, i.e. the cumulative effects of the proposed development, the approved OCGT and the impacts of PetroSA.
 - 3.2 An opportunity for the various specialists to discuss their findings and recommendations with each other.
4. With respect to the air quality specialist study, the following must, amongst others, be included in the terms of reference:
 - 4.1 The emissions of the operation of the plant at full capacity, existing and proposed.
 - 4.2 The scoping report states that the plant will be used to provide additional peaking capacity. Modelling must clearly indicate time frames for the operation of the proposed facility. If it is the intention of Eskom to use the

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- plant under emergency conditions for extended periods, then the modelling and specialist study must indicate and assess this option.
- 4.3 The flue gas exit velocity and temperature must be clearly indicated in the modelling.
 - 4.4 The modelling and inventory must indicate maximum expected concentrations of emissions under normal, start-up, shutdown and upset conditions. The information will be required before an emissions licence in terms of the National Environmental Management: Air Quality Act, can be issued.
 - 4.5 Modelling must be done for worst case scenarios. These are normally low wind speed and inversion conditions. In addition, modelling must also indicate plume dispersal under medium to strong wind conditions and the location where the plume looping would affect ground level pollution concentrations.
 - 4.6 Modelling must take into account the operation of the plant in isolation and the effect on the environment, as well as the plant operating within the current pollution levels that are experienced within the Mossel Bay area.
 - 4.7 Sulphur dioxide levels must be modelled, including the 10-minute concentration especially under plume looping conditions and compared with the new proposed SA standards.
 - 4.8 The model must clearly indicate the specifications and sulphur content of fuels that may be used and the impacts of these must be assessed. The use of any fuel not specifically assessed may not be authorised.
 - 4.9 The specialist study must clearly recommend a monitoring protocol, i.e. which pollutants must be monitored, where and how it must be monitored, how often it must be monitored, who and how often to report to etc.
 - 4.10 Fugitive emissions of fuel transfer and handling on site must be modelled and compared with International best practices. Mitigation measures must be recommended if necessary.
 - 4.11 The specialist air quality study must be peer reviewed and the peer review must be included in the Environmental Impact Assessment Report (EIAR).
5. The terms of reference for the noise specialist study must also include a description of the operating cycle of the noise sources in accordance to SANS 10328. The assessment must therefore include:
 - 5.1 Noise levels during peak operation (i.e. 07:00 – 09:00 and 18:00 - 20:00, seven days a week) for the entire OCGT power plant, i.e. 900MW, as indicated in the scoping report.
 - 5.2 Noise levels from the entire OCGT power plant (900MW) when in operation for 24 hours, seven days a week. The specialist noise impact assessment must be peer reviewed, and the peer review must be submitted with the EIAR.
 6. The terms of reference for the risk assessment must include an assessment of the risk and impacts associated with the supply of millions of litres of fuel by PetroSA including shipping, transportation, storage, pumping and production.

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7. The terms of reference for the social impact assessment must be consistent with this Department's draft Guideline for Involving social assessment specialists in the EIA process.
8. It is noted that the traffic specialist, Mr E. J. Robertson of Ninham Shand, is of the opinion that the proposed additional units will not materially change the existing construction or operational situations and that a specific Traffic Impact Assessment is not warranted (letter dated 18 December 2006). SANRAL has not commented on this issue. You are requested to obtain comments from SANRAL and the District Roads Engineer on this issue as soon as possible. If a Traffic Impact Assessment is required by SANRAL or the DRE, it must be done to their satisfaction.
9. You are hereby advised that the Environmental Impact Assessment Report must contain all the information outlined in regulation 32 (2) of the EIA regulations, omission of information may result in the EIA report being rejected. Please ensure that all specialist reports contain all the information specified in regulation 33 (2) of the EIA regulations.
10. You are advised that in compiling the EIA report you must take into the account the applicable guidelines developed by the Department. The guidelines are available and can be downloaded from the Department's website (<http://www.capegateway.gov.za/eadp>). In particular, the guidelines that may be applicable include, inter alia, the following:
 - Guideline for the review of specialist input in the EIA process, June 2005.
 - Guideline for involving biodiversity specialists in the EIA process, June 2005.
 - Guideline for environmental management plans, June 2005.
11. You are hereby reminded that it is mandatory to investigate and assess the option of not proceeding with the proposed activity (in other words, the "no-go" option) in addition to other alternatives identified. The Department would like to advise that the Department's Guideline on alternatives (available from the Department's website) must be taken into account.
12. You are hereby reminded that the Public Participation process to be followed in the EIA phase must also comply with regulation 56 of the EIA regulations as well as this Department's Guideline on Public Participation (July 2006). With reference to paragraph 3.2.5.2 of the Plan of Study for EIA, you are kindly requested to also obtain comments from the following authorities:
 - 12.1 The Directorate Pollution and Waste of this Department
 - 12.2 The Director: Strategic Environmental Management of this Department and the Chief Directorate: Air Quality Management and Climate Change of the Department of Environmental Affairs and Tourism.
 - 12.3 Heritage Western Cape
 - 12.4 SANRAL
 - 12.5 The Chief Fire Officer of Mossel Bay and PetroSA

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- 12.6 The Chief Director: Occupational Health and Safety of the Department of Labour.
- 12.7 The Chief Air Pollution Control Officer
13. You are further reminded that the draft Environmental Management Plan ("EMP") must comply with regulation 34 of the NEMA EIA regulations and must address the potential environmental impacts of the activity on the environment throughout the project life cycle, i.e. the EMP must address impacts in respect of the planning and design, pre-construction and construction activities, operation of the activity, rehabilitation of the environment and closure/decommissioning (if applicable). The Department would like to advise that in compiling the EMP the Department's Guideline for Environmental Management Plans (available from the Department's website) must be taken into account.
14. You must now proceed with the environmental impact assessment process in accordance with the tasks outlined in the plan of study for environmental impact assessment.

Yours faithfully



HEAD OF DEPARTMENT

Copies to: (1) Mr Brett Lawson (Ninham Shand)
(2) Mr E Kruger (Mossel Bay Municipality)

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