

Interested and Affected Parties

Date:
25 November 2013

Enquiries: Kristy Langerman
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Ref: ENV13_L233

To whom it may concern

NOTICE OF REQUEST FOR VARIATION OF KRIEL POWER STATION'S ATMOSPHERIC EMISSION LICENCE 17/4/AEL/MP312/11/09

Kriel Power Station has requested a variation of its Atmospheric Emission Licence 17/4/AEL/MP312/11/09 in terms of section 46 of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004). The variation will enable Kriel Power Station to continue to generate electricity to ensure security of supply of electricity.

Kriel Power Station is a coal-fired power station situated on the Ogies-Bethal road, 15 km from Kriel Town. Three listed activities are conducted at Kriel Power Station:

1. Sub-category 1.1: Solid fuel combustion installation (for electricity generation)
2. Sub-category 2.2: Storage and handling of petroleum products (for the fuel oil tanks)
3. Sub-category 5.1: Storage and handling of ore and coal (for the coal stockyard)

Eskom has requested the variation of four conditions of the Atmospheric Emission Licence which pertain to activity sub-category 1.1 for the generation of electricity, being that:

1. the maximum release rate for particulate matter until 1 April 2015 be changed from 125 mg/Nm³ to 350 mg/Nm³. The old technology installed at Kriel is unable to achieve the emission rate of 125 mg/Nm³. A fabric filter plant retrofit is planned to enable compliance with a more stringent emission limit from 2018-2023. The only way Kriel can currently comply with the stipulated emission limit is by shutting down more than half the station, which impacts security of electricity supply. The higher emission limit requested will not result in non-compliance with ambient air quality standards.
2. the emission limit applicable to normal operations not apply to each stack for up to 37 days per year, to enable maintenance to be conducted on-line. Given the constrained electricity supply situation and the fact that Kriel Power Station is an old power station and needs large amounts of maintenance, it is often not possible to shut down units at power stations when maintenance needs to be done.
3. the contradictory requirements for continuous emission monitoring be resolved. Continuous emission monitoring is currently done for particulate matter on both stacks, and for sulphur dioxide and nitrogen oxides on one stack. Continuous emission monitoring for sulphur

dioxide and nitrogen oxides will commence on the other stack by 2015 once testing of the system has been completed.

4. the deadline for the study to determine emission rates during start-up, maintenance and shut-down conditions be postponed to end October 2014. The emission licence currently stipulates that the study needed to be completed by 31 July 2013, which did not allow sufficient time to place a contract and coincide measurements with a planned start-up.

The variation request is available for inspection by any interested and affected party or organ of state at Kriel Power Station. Please contact Livhuwani Tshilate at Tel: 017 615 2317; or Email: TshilaL@eskom.co.za. Alternatively, the variation request may be requested from Kristy Langerman at Tel: 011 800 4682 or Email: rosske@eskom.co.za

Representations on or objections to the variation request should be submitted by 6 December 2013 to the Mpumalanga MEC: Department of Economic Development, Environment and Tourism and to Mr Vusi Mahlangu at the Nkangala District Municipality:

Mpumalanga MEC:

Address: The Member of the Executive Council
Department of Economic Development, Environment and Tourism
Private Bag X11215
NELSPRUIT

1200

Tel: 013 766 4004

Fax: 013 766 4614

Nkangala District Municipality:

Address: Mr Vusi Mahlangu
Nkangala District Municipality
PO Box 437
Middelburg
1050

Tel: 013 249 2135

Fax: 086 536 0368

A copy can also be sent to Eskom:

Address: Eskom Holdings SOC Limited
P.O. Box 1091
Johannesburg
2001

Attention: Kristy Langerman

Fax: 086 661 9248

E-mail: rosske@eskom.co.za

Yours sincerely



Deidre Herbst
ESKOM ENVIRONMENTAL MANAGER