

## GOVERNMENT NOTICES GOEWERMENTSKENNISGEWINGS

### DEPARTMENT OF ENVIRONMENTAL AFFAIRS AND TOURISM

No. 528

9 June 2006

#### NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004

#### IDENTIFICATION OF SUBSTANCES IN AMBIENT AIR AND ESTABLISHMENT OF NATIONAL STANDARDS FOR THE PERMISSIBLE AMOUNT OR CONCENTRATION OF EACH SUBSTANCE IN AMBIENT AIR

#### PUBLICATION FOR COMMENT

The Minister of Environmental Affairs and Tourism intends under section 9(1)(a) and (b) of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004), to make notice in the schedule, which is hereby published for public comment under section 9(2) read together with sections 56 and 57 of the said Act.

In accordance with government's Integrated Pollution and Waste Management Policy, the standards contained in the schedule define the ambient air quality targets for all air quality management interventions. Margins of tolerance, compliance time frames and permissible frequencies by which these standards may be exceeded will be included in regulations or the national framework to be established in terms of Section 7 of the Act.

Interested persons are invited to submit written representation on or objections to the proposed notice to the Minister for Environmental Affairs and Tourism within 90 days of the date of publication of this notice in the following manner:

- (a) Post: Director General: Environmental Affairs and Tourism, Private Bag x 447, Pretoria, 0001;
- (b) Fax: (012) 322-1320; or
- (c) E-mail: [plukey@deat.gov.za](mailto:plukey@deat.gov.za)

#### SCHEDULE

##### Definitions

1. In this notice any word or expression to which a meaning has been assigned in the Act shall have that meaning and, unless the context indicates otherwise –

'SANS 1929' means South African National Standard: Ambient Air Quality – Limits for Common Pollutants, SANS 1929: 2005 Edition 1.1, Standards South Africa;

'the Act' means the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004).

**Identified Substances**

- 2.1 Substances or mixtures of substances in ambient air which, through ambient concentrations, bioaccumulation, deposition or in any other way, present a threat to health, well-being or the environment are as set out in column 1 of the Table below.
- 2.2 The permissible amount or concentration of each substance, within the time period specified, is as set out in columns 2 to 6 of the Table below.

**Table: Ambient Air Quality Standards for Common Air Pollutants**

Substance	10-minute maximum	1-hour maximum	8-hour maximum	24-hour maximum	Annual average
1	2	3	4	5	6
Sulphur Dioxide (SO <sub>2</sub> )	500 µg/m <sup>3</sup>	350 µg/m <sup>3</sup>		125 µg/m <sup>3</sup>	50 µg/m <sup>3</sup>
Nitrogen Dioxide (NO <sub>2</sub> )		200 µg/m <sup>3</sup>			40 µg/m <sup>3</sup>
Carbon Monoxide (CO)		30 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		
Particulate Matter (PM10)				75 µg/m <sup>3</sup>	40 µg/m <sup>3</sup>
Ozone (O <sub>3</sub> )		200 µg/m <sup>3</sup>	120 µg/m <sup>3</sup>		
Lead (Pb)					0.5 µg/m <sup>3</sup>
Benzene (C <sub>6</sub> H <sub>6</sub> )					5 µg/m <sup>3</sup>

- 2.3 Measurement of the amount or concentration of each of the substances identified in the Table shall be standardised at standard temperature (25°C) and pressure (101.3 kPa), using the reference methods specified in SANS 1929.

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- (c) E-mail: [dukeyv@doat.gov.za](mailto:dukeyv@doat.gov.za)

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