

DEPARTMENT OF ENVIRONMENTAL AFFAIRS**No. 486****29 June 2012****NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004
(ACT NO. 39 OF 2004)****NATIONAL AMBIENT AIR QUALITY STANDARD FOR PARTICULATE MATTER WITH
AERODYNAMIC DIAMETER LESS THAN 2.5 MICRON METRES (PM_{2.5})**

I, Bomo Edith Edna Molewa, Minister of Water and Environmental Affairs, in terms of section 9(1) of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004), hereby establishes the national ambient air quality standard for particulate matter of aerodynamic diameter less than 2.5 micron metre (PM_{2.5}) as set out in the Schedule hereto.



**BOMO EDITH EDNA MOLEWA
MINISTER OF WATER AND ENVIRONMENTAL AFFAIRS**

SCHEDULE

1. DEFINITIONS

- (1) In this notice, unless the context indicates otherwise, a word or expression to which a meaning has been assigned in the National Environmental Management: Air Quality Act, 2004, has the same meaning, and —

“averaging period” means a period over which an average value is determined;

“compliance date” means the date on which compliance with the standard is required; and

“frequency of exceedence” means a frequency (number/time) related to a limit value representing the tolerated exceedence of that limit value, i.e. if exceedences of limit value are within the tolerances, then there is still compliance with the standard. This exceedence is applicable to a calendar year.

2. GENERAL

(1) Reference conditions

Concentrations shall be expressed at a standardised temperature of 25 °C and a pressure of 101,3 kPa.

(2) Reference methods

Where test methods are specified, any other method which can be demonstrated to give equivalent results may be used.

(3) Ambient air quality measurement requirements

Assessment of all ambient pollutant concentrations shall be conducted in terms of paragraph 5.2.1.3 of the National Framework for Air Quality Management in the Republic of South Africa.

3. NATIONAL AMBIENT AIR QUALITY STANDARD FOR PARTICULATE MATTER (PM_{2.5})

Averaging Period	Concentration	Frequency of Exceedence	Compliance Date
24 hours	65 µg/m ³	4	Immediate - 31 December 2015
24 hours	40 µg/m ³	4	1 January 2016 - 31 December 2029
24 hours	25 µg/m ³	4	1 January 2030
1 year	25 µg/m ³	0	Immediate - 31 December 2015
1 year	20 µg/m ³	0	1 January 2016 - 31 December 2029
1 year	15 µg/m ³	0	1 January 2030

The reference method for the determination of PM_{2.5} fraction of suspended particulate matter shall be EN 14907