

**NOTICE 172 OF 2014****DEPARTMENT OF ENVIRONMENTAL AFFAIRS****NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004  
(ACT NO. 39 OF 2004)****DECLARATION OF GREENHOUSE GASES AS PRIORITY AIR POLLUTANTS**

I, Bomo Edith Edna Molewa, Minister of Water and Environmental Affairs, hereby give notice of my intention to declare the greenhouse gases as priority air pollutants and to require a person falling within the specified category to prepare and submit for approval a pollution prevention plan, under section 29(1), read with section 57(1) of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004), set out in the Schedule hereto.

Members of the public are hereby invited to submit to the Minister, within 30 (thirty) days after the publication of the notice in the *Gazette*, written representations or objections on the proposed declaration of greenhouse gases as priority air pollutants to the following addresses:

By post to: Director-General  
Department of Environmental Affairs  
Attention: Mr A M Makwarela  
Private Bag X447  
Pretoria  
0001

By hand at: 2<sup>nd</sup> Floor (Reception), Fedsure forum building, 315 Corner Pretorius and Lillian Ngoyi streets, Pretoria, 0001.

By e-mail: [MAMakwarela@environment.gov.za](mailto:MAMakwarela@environment.gov.za) or by fax to: 012 320 3068.

Any inquiries in connection with the draft notice can be directed to: Mr A M Makwarela, at 012 310 3308.

Comments received after the closing date will not be considered.



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

**SCHEDULE****1. Definitions**

- (1) In this Notice a word or expression to which a meaning has been assigned in this Act has that meaning and, unless the context otherwise indicates—

“**person**” includes a juristic person.

**2. Priority pollutant greenhouse gases**

- (1) The following greenhouse gases or any other gases are declared priority air pollutants in terms of section 29(1)(a) of this Act:
- (a) Carbon dioxide (CO<sub>2</sub>);
  - (b) Methane (CH<sub>4</sub>);
  - (c) Nitrous oxide (N<sub>2</sub>O);
  - (d) Hydrofluorocarbons (HFCs);
  - (e) Perfluorocarbons (PFCs); and
  - (f) Sulphur hexafluoride (SF<sub>6</sub>).

**3. Persons required to submit pollution prevention plans**

A person conducting an activity set out in Annexure I to this Notice which involves the emission of greenhouses declared as priority air pollutant in paragraph 2 in excess of 0.1 Megatonnes (10<sup>9</sup> kg) (Mt) or more annually or measured as CO<sub>2-eq</sub> is required to submit a pollution prevention plan.

**4. Requirements for a significant emitter of greenhouse gases**

The person referred to in paragraph 3 must prepare, submit to the Minister for approval, a pollution prevention plan in accordance with the requirements contained in the regulation developed in terms of section 29(3) of this Act.

## ANNEXURE I

## SOURCES AND ACTIVITIES FOR GREENHOUSE GASES EMITTERS

Emission Sources	Activities
Fuel combustion (both stationary and mobile)	Energy Industries <ul style="list-style-type: none"> <li>• Electricity and heat production</li> <li>• Petroleum Activity (refineries)</li> </ul> Manufacturing industries and construction <ul style="list-style-type: none"> <li>• Chemicals</li> </ul> Transport Sector <ul style="list-style-type: none"> <li>• Civil Aviation</li> <li>• Road Transportation</li> <li>• Railways</li> <li>• Water-borne Navigation</li> </ul> Other Sectors <ul style="list-style-type: none"> <li>• Commercial / Institutional</li> <li>• Residential</li> <li>• Agriculture / Forestry / Fishing</li> </ul>
Fugitive emissions from fuels	<ul style="list-style-type: none"> <li>• Surface and underground coal mining</li> <li>• Processing of coal</li> <li>• Storage of coal and wastes</li> <li>• Processing of solid fuels</li> <li>• Leakage of natural gas and the emissions of methane during coal mining and flaring during oil/gas extraction and refining</li> </ul>
Industrial processes and other product use	Mineral production <ul style="list-style-type: none"> <li>• Cement production</li> <li>• Lime production</li> <li>• Glass production</li> </ul> Chemical production <ul style="list-style-type: none"> <li>• Ammonia production</li> <li>• Nitric acid production</li> <li>• Carbide production</li> <li>• Titanium dioxide production</li> </ul> Metal industry <ul style="list-style-type: none"> <li>• Iron production</li> </ul>

Emission Sources	Activities
	<ul style="list-style-type: none"> <li>• Steel production</li> <li>• Ferroalloys production</li> <li>• Aluminium production</li> <li>• Lead production</li> <li>• Zinc production</li> </ul>
Agriculture, forestry and other land use	<p>Livestock</p> <ul style="list-style-type: none"> <li>• Enteric fermentation</li> <li>• Manure management</li> </ul> <p>Land</p> <ul style="list-style-type: none"> <li>• Forest land</li> <li>• Cropland</li> <li>• Grassland</li> <li>• Wetlands</li> <li>• Settlements</li> <li>• Other land</li> </ul> <p>Aggregate sources and non-CO2 emissions on land</p> <ul style="list-style-type: none"> <li>• Biomass burning</li> <li>• Liming</li> <li>• Urea application</li> <li>• Direct N2O emission from managed soils</li> <li>• Indirect N2O emission from managed soils</li> <li>• Indirect N2O emission from manure management</li> </ul>
Waste management	<ul style="list-style-type: none"> <li>• Solid waste disposal</li> <li>• Wastewater treatment and discharge</li> <li>• Industrial waste disposal</li> </ul>