

EXAMPLE LISTING

The following provides an example of the type of template the department is likely to use to list activities and their related emission standards as contemplated in Section 21 of the National Environmental Management: Air Quality Act (Act No. 39 Of 2004). Although this is very much a work in progress that will be reviewed, refined and or amended during the AQA Implementation: Listed Activities And Minimum Emission Standards project, this document may be used to guide key industries in their preparations for making input into the standard setting process, i.e. key industries may wish to use this example to structure their proposal to the department in this regard.

1. CATEGORY OF LISTED ACTIVITY			
Number:	11	Category Title	The disposal of hazardous and general waste

2. LISTED ACTIVITY			
Being an activity which result in atmospheric emissions and which the Minister reasonably believes have or may have a significant detrimental effect on the environment, including health, social conditions, economic conditions, ecological conditions or cultural heritage as contemplated in Section 21(1)(a) of the Act.			
Number:	11.1	Name:	Health Care Risk Waste incineration
Description:	Facilities where health care risk waste is incinerated		
Size:	Facilities with an incinerator capacity of 10 kg of waste processed per hour or larger capacity.		

3. MINIMUM EMISSION STANDARDS FOR POINT SOURCE EMISSIONS			
Being the minimum emission standards for emissions from a single identifiable source and fixed location of atmospheric emission in respect of substances or mixture of substances resulting from a listed activity including the permissible amount, volume, emission rate or concentration of that substance or mixture of substances that may be emitted and the manner in which measurements of such emissions must be carried out as contemplated in Section 21(3)(a) of the Act.			
Substance or mixture of substances		mg/Nm ³ under standard conditions of 11% O ₂ , 273 Kelvin and 101.3 kPa.	the manner in which measurements of emissions must be carried out
Common Name	Chemical Symbol		
Particulate matter with a particle size of less than 10 microns (μ) in size (PM ₁₀)	Not applicable	25	All parameters to be defined and measured as in the Directive 2000/76/EC of the European Parliament and of the Council of 4 December 2000 on Incineration of Waste
Carbon monoxide	CO	100	
Hydrogen chloride	HCl	30	
Sulphur dioxide	SO ₂	50	
Lead, Chromium, Beryllium, Arsenic, Antimony, Barium, Silver, Cobalt, Copper, Manganese, Tin, Vanadium, Nickel, Mercury	Pb, Cr (total), Be, As, Sb, Ba, Ag, Co, Cu, Mn, Sn, V, Ni, Hg	0.5	
Cadmium, Thallium	Cd, Tl	0.1	
Dioxin/furan	Not applicable	0.1 ngTE/Nm ³	

4. MINIMUM EMISSION STANDARDS FOR NON-POINT SOURCE EMISSIONS
Being the minimum emission standards for emissions from sources of atmospheric emissions which cannot be identified as having emanated from a single identifiable source or fixed location.

Discussion Document

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Type of emission	Standard	the manner in which measurements of emissions must be carried out
Offensive odours		Any smell which is considered to be malodorous or a nuisance to a reasonable person arising from the site must not be detectable at the perimeter of the site.

5. TRANSITIONAL AND OTHER SPECIAL ARRANGEMENTS

Being transitional and other special arrangements in respect of activities which are carried out at the time of listing as contemplated by Section 21(3)(b) of the Act.

Requirement	Application	Compliance Date
The geometry of the incinerator must be designed to allow for a retention time of greater than 2 seconds at a temperature no less than 850° C for the incineration of non-chlorinated waste and/or 1100° C for chlorinated waste.	All incinerators registered in terms of APPA before ??	?? years from date of notice
	All incinerators registered in terms of APPA after ?? and before date of notice	?? years from date of notice
	All other incinerators	From date of notice
A minimum of 15 m for stack height and an exhaust plume velocity of minimum 5 m/s.		
Continuous on-line stack measurement of PM ₁₀ and CO. The accuracy of sampling and analyses to be demonstrated to SANAS accredited auditors.		
Continuous on-line stack measurement of HCl and SO ₂ for facilities with a capacity greater than 100 kg/hour. The accuracy of sampling and analyses to be demonstrated to SANAS accredited auditors.		
Standard short term measurements of HCl and SO ₂ four times per year for facilities with a capacity less than 100 kg/hour. The accuracy of sampling and analyses to be demonstrated to SANAS accredited auditors.		
Standard short term measurements of Pb, Cr(total), Be, As, Sb, Ba, Ag, Co, Cu, Mn, Sn, V, Ni, Cd, Tl and Hg four times per year. The accuracy of sampling and analyses to be demonstrated to SANAS accredited auditors.		