

**SECOND SCHEDULE
(Regulations 5 and 6)**

PRESCRIBED FORMS

REPUBLIC OF ZAMBIA

ENVIRONMENTAL COUNCIL

**THE AIR POLLUTION CONTROL (LICENCING AND EMISSION STANDARDS)
REGULATIONS, 1996**

APPLICATION FOR LICENCE TO EMIT AIR POLLUTANTS

(To be completed in triplicate)

- CATEGORY:** (A) New Plant, undertaking or process
 (B) Existing plant, undertaking or process meeting long-term emission Limits (Delete inapplicable)

To: The Chief Inspector (Pollution Control)
 Environmental Council of Zambia
 P O Box 35131
 Lusaka

1. Name and address of applicant

 Tel: Fax:
2. Location of Plant/Activity
3. Type(s) of activity (e.g. copper mining, cement manufacture, etc)
4. Name(s) of department(s)/section(s)/ unit(s) where air emissions occur
5. Name(s) and type(s) of raw materials used in the process(es)
6. Amount of each raw material used yearly (kg)

7. Name(s) and types of products
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8. Sources of air emissions
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9. Name(s) and type(s) of air pollutants
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10. Rate of emission of each air pollutant discharged into the ambient air (kg/h, ton/yr)
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11. Concentration of each air pollutant discharged into the ambient air ($\mu\text{g}/\text{m}^3$, mg/m^3 ,
ppm, etc)
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12. Energy source used (e.g. coal, diesel, etc)
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13. Amount of each energy source used yearly (kg)
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14. Amount of each energy source used per day (kg)
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15. Type of production operation (continuous or intermittent)
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16. Total number of hours of operation (per day, per week, per month, per year)
17. Number of stacks in operation
18. Physical stack height for each (m)
19. Stack gas volume for each (m^3/s , m^3/h)

20. Internal stack diameter at gas exit level for each (m)
21. Stack gas exit temperature for each (°C)
22. Exit gas velocity at each stack (m/s)
23. Pollution control technology in operation / to be employed
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24. Reliability of the pollution control technology
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.....
25. How often do you conduct maintenance of the installation?
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.....
26. When was / were the Plant(s) /process(es) installed?
27. Expected life time of the Plant(s)/ installation(s)
28. How is the potential to produce other air pollutants? Name the pollutants
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.....
.....

LEVELS OF EMISSIONS (complete parts only relevant to your organization)

Industry/process	Parameter	Emission level
COPPER PRODUCTION		
29. Smelters and converters	Sulphur dioxide (SO ₂).....	Mg/Nm ³
	Dust	..... Mg/Nm ³
30. Coal preparation	Dust	..... Mg/Nm ³
31. Ore concentrator dryer	Dust	..... Mg/Nm ³
	SO ₂	..... Mg/Nm ³
CEMENT AND LIME PRODUCTION		
32. Cement production	Dust	..... Mg/Nm ³
33. Lime production	Dust	..... Mg/Nm ³
NITRIC ACID AND SULPHURIC ACID PRODUCTION		
34. Nitric acid production	NO _x as NO ₂	..... kg/day
35. Sulphuric acid production	SO ₂	..... kg/day
FERTILIZER PRODUCTION		
36. Ammonium nitrate production	Dust	..... kg/day
37. Coal treatment	Dust	..... kg/day
38. NPK production	Dust	..... kg/day
COMBUSTION UNITS		
39. Oil fired, <50MW(1)	Dust	..... Mg/Nm ³
	SO ₂	..... Mg/Nm ³
	CO	..... Mg/Nm ³
40. Coal fired, <10MW(2)	Dust	..... Mg/Nm ³
	SO ₂	..... Mg/Nm ³
	CO	..... Mg/Nm ³

41.	Coal fired, <10-50 MW (2)	Dust Mg/Nm ³
		SO ₂ Mg/Nm ³
		CO Mg/Nm ³

OTHER PROCESSES/UNITS (SPECIFY)

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Name	Signature

Designation/title	Date:
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- (1). The limits shall be normalised to 273K at 101.3Pa and 3 vol, %O₂
- (2). The limits shall be normalised to 273K at 101.3Pa and 7 vol, %O₂

FOR OFFICIAL USE ONLY

Application received	Fee paid
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 Chief Inspector (Pollution Control)
 Environmental Council of Zambia
 Inspectorate