

Rwanda

## Ministerial Order determining the List of Water Pollutants Ministerial Order 4 of 2013

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## Rwanda

# Ministerial Order determining the List of Water Pollutants

## Ministerial Order 4 of 2013

Published in Official Gazette special on 30 May 2013

**Assented to on 24 May 2013**

**Commenced on 30 May 2013**

*[This is the version of this document from 30 May 2013.]*

### **The Minister of Natural Resources;**

Pursuant to the Constitution of the Republic of Rwanda of 04 June 2003 as amended to date, especially in Articles 120, 121 and 201;

Pursuant to Organic Law n° 04/2005 of 08/04/2005 establishing the Modalities of Protection, Conservation and Promotion of the Environment, especially in Articles 81, 86, 87, 103;

Pursuant to Law n° 62/2008 of 10/09/2008 putting in place the use, conservation, protection and management of water resources regulations, especially in Article 83;

After consideration and approval by the Cabinet, in its session of 14/11/2012;

### **HEREBY ORDERS:**

#### **Article One – Purpose of this Order**

This Order determines the list of water pollutants.

#### **Article 2 – Definition of a water pollutant**

A water pollutant is any substance that may contaminate a water body which is directly or indirectly discharged into such a water body and produces harmful effects to aquatic life.

Water pollutants referred to in this Order shall be determined in accordance with the national standards established by a competent authority.

#### **Article 3 – List of water pollutants**

The list of water pollutants is annexed to this Order and may be modified whenever considered necessary by a competent authority.

#### **Article 4 – Repealing provision**

All prior provisions contrary to this Order are hereby repealed.

#### **Article 5 – Commencement**

This Order shall come into force on the date of its publication in the Official *Gazette* of the Republic of Rwanda.

## Annex

### Physico-chemical pollutants

#### Inorganic pollutants

1. Cadmium,
2. Selenium,
3. Lead,
4. Chromium,
5. Mercury,
6. Antimony,
7. Arsenic,
8. Nickel,
9. Copper,
10. Silver,
11. Barium,
12. Mercury metal,
13. Thallium,
14. Cyanic groups,
15. Asbestos,
16. Beryllium,
17. Magnesium,
18. Calcium,
19. Vanadium,
20. Molybdenum,
21. Lithium,
22. Cobalt,
23. Nitrate,
24. Nitrite,
25. Ammonia,
26. Aluminium,
27. Chloride,
28. Fluoride,
29. Iron,

30. Manganese,
31. Sulfate,
32. Zinc,
33. Sodium,
34. Bromate,
35. Chlorite,
36. Chloramines(asc12)
37. Chlorine (asc12)
38. Chlorine dioxide (asc12)
39. Phosphorus,
40. Phosphate,
41. Potassium,
42. Carbonates,
43. Boron.

### **Organoleptic pollutants**

#### ***Solid material***

#### **Organic pollutant**

1. Orano metallic (Me, Se, Tin, Lead,)
2. Aerylamide,
3. Alachlor,
4. Atrazine,
5. Benzene and derivatives (benzopyrène, carbofuron,),
6. Carbon tetrachloride,
7. Chlordane,
8. Chrolobenzène,
9. 2,4-D (dichlorophenoxyacetic acid),
10. Dolapon,
11. 1,2 dibromo-3-chloropropane (DBCP)
12. 0-dichlorobenzene,
13. p-dichloroethane,
14. 1,2-dichloroethylene,
15. 1,1-dichloroethylene,
16. Cis-dichloroethylene,

17. Trans-1,2-dichloroethylene,
18. Dichloromethane,
19. 1,2-dichloromethane,
20. Di(2-ethylhexyl) adipate,
21. Di(2-ethylhexyl) phthalate,
22. Dinoseb
23. Dioxin,
24. Diquat,
25. Endothal,
26. Endrin,
27. Epichlorohydrin,
28. Ethylbenzene,
29. Ethylene dibromide,
30. Glyphosate,
31. Heptachlor,
32. Heptachlor epoxide,
33. Hexachlorobenzene,
34. Hexachlorocyclohexadiene,
35. Lindane,
36. Methoxychlor,
37. Oxamyl Vydate,
38. Polychlorinated biphenyls,
39. Pentachlorophenol,
40. Picloram,
41. Simazine,
42. Styrene,
43. Tetrachloroethylene,
44. Tolvene,
45. Taxaphene,
46. 2,4,5-TP Silvex,
47. 1,2,4-Trichlorobenzene,
48. 1,1,1-trichloroethane,
49. 1,1,2-trichloroethane,
50. Trichloroethylene,
51. Vinyl chloride,

52. Total Xylenes,
53. Foaming agents,
54. Total trihalomethans,
55. Haloacetic acids,
56. Oil
57. Greases,
58. Chlorophends,
59. Chloroform,
60. Aldriore,
61. Drelidine,
62. Trichlorophend,
63. Methoxychlor,
64. 2,4,6 Tri chloroethylene,
65. DDT,
66. Benzo-a-pyrene,

### **Radionuclides**

1. Alpha particles,
2. Beta particles,
3. Photon emitters,
4. Radium 226
5. Radium 228 combined,
6. Uranium

### **Biological pollutants**

1. Total coliforms
2. Harmful bacteria
3. Viruses,
4. Parasites,
5. Water hyacinth
6. Invading weeds.