

## Chapter NR 215

### LIST OF TOXIC, CONVENTIONAL, AND NONCONVENTIONAL POLLUTANTS

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**Note:** Corrections made under s. 13.93 (2m) (b) 1. and 7., Register, August, 1997, No. 500.

**NR 215.01 Purpose and authority.** Section 283.21, Stats., requires that the department promulgate a list of toxic pollutants. The discharge to surface or groundwaters of any pollutant included on this list is subject to the requirements of ss. 283.13 (2) (b) and (c) and 283.21 (1) (b) and (d), Stats. These sections require that by certain dates no discharge shall contain quantities of these pollutants greater than those which would remain after the discharge had received treatment by the best available technology economically achievable or greater than any lesser quantity necessary to provide an ample margin of safety.

**History:** Cr. Register, April, 1981, No. 304, eff. 5-1-81.

**NR 215.02 Definitions.** Terms used in this chapter are defined in s. NR 205.03. Abbreviations used in this chapter are defined in s. NR 205.04.

**History:** Cr. Register, April, 1981, No. 304, eff. 5-1-81.

**NR 215.03 List of toxic pollutants.** The following table contains a list of toxic pollutants categorized by chemical class, based upon analytical methodology:

**(1) VOLATILE COMPOUNDS.**

- (a) Acrolein
- (b) Acrylonitrile
- (c) Benzene
- (d) Bromoform
- (e) Carbon tetrachloride (tetrachloromethane)
- (f) Chlorobenzene
- (g) Chlorodibromomethane
- (h) Chloroethane
- (i) 2-Chloroethy vinyl ether (mixed)
- (j) Chloroform (trichloromethane)
- (k) Dichlorobromomethane
- (L) 1,1-Dichloroethane
- (m) 1,2-Dichloroethane
- (n) 1,1-Dichloroethylene
- (o) Trans-1,2-Dichloroethylene
- (p) 1,2-Dichloropropane
- (q) 1,3-Dichloropropylene (1,3-dichloropropene)
- (r) Ethylbenzene
- (s) Methyl bromide (bromomethane)
- (t) Methyl chloride (chloromethane)
- (u) Methylene chloride (dichloromethane)
- (v) 1,1,2,2-Tetrachloroethane
- (w) Tetrachloroethylene (perchloroethylene)
- (x) Toluene
- (y) 1,1,1-Trichloroethane
- (z) 1,1,2-Trichloroethane
- (za) Trichloroethylene

(zb) Vinyl chloride (chloroethylene)

**(2) ACID EXTRACT COMPOUNDS.**

- (a) Parachlorometa cresol
- (b) 2-Chlorophenol
- (c) 2,4-Dichlorophenol
- (d) 2,4-Dimethylphenol
- (e) 4,6-Dinitro-o-cresol
- (f) 2,4-Dinitrophenol
- (g) 2-Nitrophenol
- (h) 4-Nitrophenol
- (i) Pentachlorophenol
- (j) Phenol

(k) 2,4,6-Trichlorophenol

**(3) BASE/NEUTRAL COMPOUNDS.**

- (a) Acenaphthene
- (b) Acenaphthylene
- (c) Anthracene
- (d) Benzidine
- (e) Benzo(a)anthracene (1,2-benzanthracene)
- (f) Benzo(a)pyrene (3,4-benzopyrene)
- (g) 3,4-Benzofluoranthene (benzo(b)fluoranthene)
- (h) Benzo(ghi)perylene (1,12-benzoperylene)
- (i) Benzo(k)fluoranthene (11,12-benzofluoranthene)
- (j) Bis (2-chlorethoxy) methane
- (k) Bis (2-chloroethyl) ether
- (L) Bis (2-chloroisopropyl) ether
- (m) Bis (2-ethylhexyl) phthalate
- (n) 4-Bromophenyl phenyl ether
- (o) Butyl benzyl phthalate
- (p) 2-Chloronaphthalene
- (q) 4-Chlorophenyl phenyl ether
- (r) Chrysene
- (s) Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene)
- (t) 1,2-Dichlorobenzene
- (u) 1,3-Dichlorobenzene
- (v) 1,4-Dichlorobenzene
- (w) 3,3'-Dichlorobenzidine
- (x) Diethyl phthalate
- (y) Dimethyl phthalate
- (z) Di-n-butyl phthalate
- (za) 2,4-Dinitrotoluene
- (zb) 2,6-Dinitrotoluene
- (zc) Di-n-octyl phthalate
- (zd) 1,2-Diphenylhydrazine
- (ze) Fluoranthene
- (zf) Fluorene
- (zg) Hexachlorobenzene

- (zh) Hexachlorobutadiene
- (zi) Hexachlorocyclopentadiene
- (zj) Hexachloroethane
- (zk) Indeno (1,2,3-cd) pyrene (2,3-o-phenylene pyrene)
- (zL) Isophorone
- (zm) Naphthalene
- (zn) Nitrobenzene
- (zo) N-nitrosodimethylamine
- (zp) N-nitrosodi-n-propylamine
- (zq) N-nitrosodiphenylamine
- (zr) Phenanthrene
- (zs) Pyrene
- (zt) 1,2,4-Trichlorobenzene

**(4) PESTICIDES.**

- (a) Aldrin
- (b) BHC-hexachlorocyclohexane:
  - 1. alpha-BHC
  - 2. beta-BHC
  - 3. delta-BHC
  - 4. gamma-BHC
- (c) Chlordane
- (d) 4,4'-DDT
- (e) 4,4'-DDE (p,p-DDX)
- (f) 4,4'-DDD (p,p-TDE)
- (g) Dieldrin
- (h) alpha-Endosulfan
- (i) beta-Endosulfan
- (j) Endosulfan sulfate
- (k) Endrin
- (L) Endrin aldehyde
- (m) Heptachlor
- (n) Heptachlor epoxide
- (o) PCB-polychlorinated biphenyls:
  - 1. PCB-1016 (Aroclor 1016)
  - 2. PCB-1221 (Aroclor 1221)
  - 3. PCB-1232 (Aroclor 1232)
  - 4. PCB-1242 (Aroclor 1242)
  - 5. PCB-1248 (Aroclor 1248)
  - 6. PCB-1254 (Aroclor 1254)
  - 7. PCB-1260 (Aroclor 1260)
- (p) Toxaphene
- (5) DIOXIN.**
- (a) 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)

**(6) METALS AND OTHER COMPOUNDS.**

- (a) Antimony
- (b) Arsenic
- (c) Asbestos
- (d) Beryllium
- (e) Cadmium
- (f) Chromium
- (g) Copper
- (h) Cyanide, Total
- (i) Lead
- (j) Mercury
- (k) Nickel
- (L) Selenium

- (m) Silver
- (n) Thallium
- (o) Zinc

**History:** Cr. Register, April, 1981, No. 304, eff. 5-1-81; r. and recr. Register, September, 1986, No. 369, eff. 10-1-86.

**NR 215.04 Provisions for revision of list.** Section 283.21 (1) (a), Stats., authorizes the department to periodically amend this chapter to add to or remove from the list any pollutant and requires that when revising this list the department consider the toxicity of the pollutant, its persistence, degradability, the usual or potential presence in any waters of any organisms affected by the discharge of the toxic pollutant or combination of pollutants, the importance of the affected organism and the nature and extent of the toxic pollutant[s effect] on these organisms.

**History:** Cr. Register, April, 1981, No. 304, eff. 5-1-81.

**NR 215.05 List of conventional pollutants.**

- (1)** Biochemical oxygen demand
- (2)** Total suspended solids
- (3)** Oil and grease
- (4)** pH
- (5)** Fecal coliform

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**NR 215.06 List of nonconventional pollutants.**

- (1)** Ammonia
- (2)** Bromide
- (3)** Chemical oxygen demand
- (4)** Chlorine
- (5)** Color
- (6)** Fluoride
- (7)** Nitrate - nitrite
- (8)** Nitrogen
- (9)** Phosphorus
- (10)** Radioactivity
  - (a) Alpha
  - (b) Beta
  - (c) Radium
  - (d) Radium 226
- (11)** Sulfate
- (12)** Sulfide
- (13)** Sulfite
- (14)** Surfactants
- (15)** Total organic carbon
- (16)** Aluminum
- (17)** Barium
- (18)** Boron
- (19)** Cobalt
- (20)** Iron
- (21)** Magnesium
- (22)** Molybdenum
- (23)** Manganese
- (24)** Tin
- (25)** Titanium
- (26)** Chloride

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86; cr. (26), Register, January, 2000, No. 529, eff. 2-1-00.