

chapter Q-2, r. 18

À jour au 1 July 2024

Regulation respecting the burial of contaminated soils**Environment Quality Act**

(chapter Q-2, ss. 31.52, 70, 95.1, 118.3.5 and 124.1).

Act respecting certain measures enabling the enforcement of environmental and dam safety legislation

(chapter M-11.6, ss. 30 and 45).

NOTE See Chapter III of the Regulation respecting the temporary implementation of the amendments made by chapter 7 of the Statutes of 2021 in connection with the management of flood risks ([chapter Q-2, r. 32.2](#)).

O.C. 843-2001; I.N. 2019-12-01; S.Q. 2022, c. 8, s. 1.

SCHEDULE I

(ss. 2, 4 and 15)

SUBSTANCES**LIMIT VALUES**
mg/kg of dry
matter (ppm)**Inorganic****Metals/Metalloids**

Silver (Ag) 200

Arsenic (As) 250

Barium (Ba) 10 000

Cadmium (Cd) 100

Chromium (Cr) 4 000

Cobalt (Co)	1 500
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Copper (Cu)	2 500
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Tin (Sn)	1 500
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Manganese (Mn)	11 000
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Mercury (Hg)	50
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Molybdenum (Mo)	200
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Nickel (Ni)	2 500
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Lead (Pb)	5 000
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Selenium (Se)	50
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Zinc (Zn)	7 500
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Other inorganic compounds

Available bromide (Br ⁻)	1 500
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Available cyanide (CN ⁻)	300
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Total cyanide (CN ⁻)	5 900
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Available fluoride (F ⁻)	10 000
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Organic

Monocyclic aromatic volatile organic compounds

Benzene	5
Chlorobenzene	10
Ethylbenzene	50
m-Dichlorobenzene	10
o-Dichlorobenzene	10
p-Dichlorobenzene	10
Styrene	50
Toluene	30
Xylenes	50
Chlorinated aliphatic volatile organic compounds	
Bromodichloromethane	150
2-Chloro-1,3-butadiene	2.8
3-Chloropropylene	300
Chlorodibromomethane	150
Chloroethane	60
Chloroform or trichloromethane	50
Chloromethane or methyl chloride	300
Methylene chloride or dichloromethane	50

Vinyl chloride	60
1,2-Dibromo-3-chloropropane	150
1,1-Dichloroethane	50
1,1-Dichloroethylene	50
1,2-Dichloroethylene (cis and trans)	50
1,2-Dichloroethane	50
1,2-Dichloropropane	50
1,3-Dichloropropylene (cis and trans)	50
Dichlorodifluoromethane	72
Hexachlorobutadiene	56
Hexachloroethane	300
Pentachloroethane	60
1,1,1,2-Tetrachloroethane	60
1,1,2,2-Tetrachloroethane	50
Tetrachloroethylene or perchloroethylene	50
Carbon tetrachloride	50
1,1,1-Trichloroethane	50
1,1,2-Trichloroethane	50

1,2,3-Trichloropropane	300
Trichloroethylene	50
Trichlorofluoromethane	300
Non-chlorinated phenolic compounds	
2,4-Dimethylphenol	140
m-Cresol	56
o-Cresol	56
p-Cresol	56
o-Nitrophenol or 2-Nitrophenol	130
p-Nitrophenol or 4-Nitrophenol	290
Phenol	62
Chlorinated phenolic compounds	
2-Chlorophenol	57
3-Chlorophenol	57
4-Chlorophenol	57
2,3-Dichlorophenol	140
2,4-Dichlorophenol	140
2,5-Dichlorophenol	140

2,6-Dichlorophenol	140
3,4-Dichlorophenol	140
3,5-Dichlorophenol	140
<i>p</i> -Chloro- <i>m</i> -cresol	140
Pentachlorophenol	74
2,3,4,5-Tetrachlorophenol	74
2,3,4,6-Tetrachlorophenol	74
2,3,5,6-Tetrachlorophenol	74
2,3,4-Trichlorophenol	74
2,3,5-Trichlorophenol	74
2,3,6-Trichlorophenol	74
2,4,5-Trichlorophenol	74
2,4,6-Trichlorophenol	74
3,4,5-Trichlorophenol	74
Polycyclic aromatic hydrocarbons	
Acenaphthene	100
Acenaphtylene	100
Anthracene	100

Benzo (b+j+k) fluoranthene	136
Benzo (a) anthracene	34
Benzo (a) pyrene	34
Benzo (c) phenanthrene	56
Benzo (g, h, i) perylene	18
2-Chloronaphtalene	56
Chrysene	34
Dibenzo (a, h) anthracene	82
Dibenzo (a, h) pyrene	34
Dibenzo (a, i) pyrene	34
Dibenzo (a, l) pyrene	34
7,12-Dimethylbenzo (a) anthracene	34
Fluoranthene	100
Fluorene	100
Indeno (1, 2, 3-cd) pyrene	34
Methylnaphtalenes (<i>each</i>)	56
3-Methylcholanthrene	150
Naphtalene	56
Phenanthrene	56

Pyrene	100
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Non-chlorinated benzene compounds

2,6-Dinitrotoluene	280
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2,4,6-Trinitrotoluene or TNT	280
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Chlorobenzenes

Benzal chloride or dichloromethylbenzene	60
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Hexachlorobenzene	100
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4,4-Methylene bis(2-chloro-aniline)	300
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p-Chloroaniline or chloroaminobenzene	160
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Pentachlorobenzene	100
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Pentachloronitrobenzene	48
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1,2,3,4-Tetrachlorobenzene	140
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1,2,3,5-Tetrachlorobenzene	140
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1,2,4,5-Tetrachlorobenzene	140
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1,2,3-Trichlorobenzene	190
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1,2,4-Trichlorobenzene	190
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1,3,5-Trichlorobenzene	190
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Polychlorinated biphenyls

PCBs (<i>summation of the congeners</i>)	50
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Chlorinated pesticides

2,4,5-T	79
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2,4-D	100
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Aldrin	0.66
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alpha-BHC or hexachlorocyclohexane	0.66
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beta-BHC or hexachlorocyclohexane	0.66
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delta-BHC or hexachlorocyclohexane	0.66
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gamma-BHC or lindane, hexachlorocyclohexane	0.66
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Barban	14
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Chlordane (<i>alpha and gamma</i>)	2.6
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Dieldrin	1.3
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Endosulfan I	0.66
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Endosulfan II	1.3
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Endosulfan sulfate	1.3
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Endrin	1.3
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Endrin aldehyde	1.3
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Heptachlor epoxide	0.66
Heptachlor	0.66
Formetanate hydrochloride	14
Isodrin	0.66
Kepone	1.3
Methoxychlor	1.8
o,p'-DDD	0.87
p,p'-DDD	0.87
o,p'-DDE	0.87
p,p'-DDE	0.87
o,p'-DDT	0.87
p,p'-DDT	0.87
Pronamide	15
Silvex or fenoprop	79
Thiodicarb	14
Toxaphene	26
Triallate	14
Non-chlorinated pesticides	

Aldicarb sulfone (<i>summation of Aldicarb, Aldicarb sulfone and Aldicarb sulfoxide</i>)	2.8
Bendiocarb	14
Bendiocarb phenol	14
Benomyl	14
Butylate	14
Carbaryl	1.4
Carbendazim	14
Carbofuran	1.4
Carbofuran phenol	14
Carbosulfane	14
Dimetilan	14
Dinoseb	25
Disulfoton	62
Dithiocarbamates (<i>total</i>)	280
EPTC	14
Famphur	150
Formparanate	14
Isolan	14

<i>m</i> -cumenyl methylcarbamate	14
Methiocarb	14
Methomyl	1.4
Metolcarb	14
Mexacarbate	14
Molinate	14
Oxamyl	2.8
Parathion	46
Methyl parathion	46
Pebulate	14
Phorate	46
Promecarb	14
Propham	14
Propoxur	14
Prosulfocarb	14
Tebuthiuron	3 600
Thiophanate-methyl	14
Tirpate	2.8

Vernolate	14
A2213 or oxamyl oxime	14
Other organic substances	
Acrylonitrile	840
Diethyl phtalate	280
Dimethyl phtalate	280
Di-n-butyl phtalate	70 000
Di-n-octyl phtalate	280
Ethylene glycol	411
Formaldehyde	125
Hexachlorocyclopentadiene	24
Hexachloropropylene	300
Phtalates (<i>each, except other listed phtalates</i>)	60
1,1,2-Trichloro-1,2,2-trifluoroethane	300
bis(2-chloroethyl)ether	60
bis(2-chloroethoxy)methane	72
bis(2-chloroisopropyl)ether	72
Butyl benzyl phtalate	280

Petroleum products

Petroleum hydrocarbons C₁₀ to C₅₀ 10 000

Chlorinated dioxins and furans

Summation as toxic equivalents in
accordance with the following table 0.005

INTERNATIONAL TOXICITY EQUIVALENCY
FACTORS FOR SPECIFIC
PCDD (POLYCHLORODIBENZO-P-DIOXINS) AND
PCDF (POLYCHLORODIBENZOFURANS) CONGENERS
(NATO, 1988)

CONGENERS	TOXICITY EQUIVALENCY FACTORS
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2,3,7,8-T ₄ CDD	1
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1,2,3,7,8-P ₅ CDD	0.5
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1,2,3,4,7,8-H ₆ CDD	0.1
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1,2,3,6,7,8-H ₆ CDD	0.1
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1,2,3,7,8,9-H ₆ CDD	0.1
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1,2,3,4,6,7,8-H ₇ CDD	0.01
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OCDD	0.001
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2,3,7,8-T ₄ CDF	0.1
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2,3,4,7,8-P ₅ CDF	0.5
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1, 2, 3, 7, 8-P ₅ CDF	0.05
1, 2, 3, 4, 7, 8-H ₆ CDF	0.1
1, 2, 3, 7, 8, 9-H ₆ CDF	0.1
1, 2, 3, 6, 7, 8-H ₆ CDF	0.1
2, 3, 4, 6, 7, 8-H ₆ CDF	0.1
1, 2, 3, 4, 6, 7, 8-H ₇ CDF	0.01
1, 2, 3, 4, 7, 8, 9-H ₇ CDF	0.01
OCDF	0.001

O.C. 843-2001, Sch. I.