

PROVINCE OF BRITISH COLUMBIA
REGULATION OF THE MINISTER OF
ENVIRONMENT AND CLIMATE CHANGE STRATEGY

Environmental Management Act

Ministerial Order No. M15

I, George Heyman, Minister of Environment and Climate Change Strategy, order that B.C. Reg. 133/2022, is amended as set out in the attached Appendix.

January 11, 2023

Date



Minister of Environment and Climate Change Strategy

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section: *Environmental Management Act*, S.B.C. 2003, c. 53, ss. 63 and 139

Other: OIC 1480/96; M164/2022

R10652917

APPENDIX

1 Section 12 of the Appendix to B.C. Reg. 133/2022, as it enacts Schedules 3.1 to 3.4 of the Contaminated Sites Regulation, B.C. Reg. 375/96, is amended

- (a) by repealing Matrix 27 of Schedule 3.1 – Part 1 and substituting the attached Matrix 27,***
- (b) by repealing Matrix 40 of Schedule 3.1 – Part 1 and substituting the attached Matrix 40,***
- (c) by repealing Schedule 3.1 – Part 2 and substituting the attached Schedule 3.1 – Part 2,***
- (d) by repealing Schedule 3.2 and substituting the attached Schedule 3.2, and***
- (e) by repealing Schedule 3.4 and substituting the attached Schedule 3.4.***

**MATRIX 27 – NUMERICAL SOIL STANDARDS
PERFLUOROOCTANE SULFONATE [PFOS] (CHEMICAL ABSTRACT SERVICE NUMBER 1763-23-1)**

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	Note
Site-specific Factor	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)	
HUMAN HEALTH PROTECTION									
Intake of contaminated soil	2.5	2.5	1	2.5	1	2.5	7.5	200	
Groundwater used for drinking water	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	1
ENVIRONMENTAL PROTECTION									
Toxicity to soil invertebrates and plants	40	70	70	70	70	150	150	150	
Livestock ingesting soil and fodder			NS						
Major microbial functional impairment			NS						
Groundwater flow to surface water used by aquatic life	9	9	9	9	9	9	9	9	1
Groundwater used for livestock watering			NS						
Groundwater used for irrigation			NS	NS	NS	NS			

Notes

- 1 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as
 (a) item A4,
 (b) item C3,
 (c) item E11, or
 (d) item G1.

**MATRIX 40 – NUMERICAL SOIL STANDARDS
ZINC (CHEMICAL ABSTRACT SERVICE NUMBER 7440-66-6)**

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	Note
Site-specific Factor	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)	
HUMAN HEALTH PROTECTION	25 000	25 000	10 000	25 000	10 000	25 000	75 000	> 1 000 mg/g	
Intake of contaminated soil									
Groundwater used for drinking water	200	200	200	200	200	200	200	200	1
pH < 5.0	250	250	250	250	250	250	250	250	1
pH 5.0 – < 5.5	300	300	300	300	300	300	300	300	1
pH 5.5 – < 6.0	450	450	450	450	450	450	450	450	1
pH 6.0 – < 6.5	600	600	600	600	600	600	600	600	1
pH 6.5 – < 7.0	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1 000	1
pH 7.0 – < 7.5	3 000	3 000	3 000	3 000	3 000	3 000	3 000	3 000	1
pH 7.5 – < 8.0	5 500	5 500	5 500	5 500	5 500	5 500	5 500	5 500	1
pH ≥ 8.0									
ENVIRONMENTAL PROTECTION									
Toxicity to soil invertebrates and plants	300	450	450	450	450	450	450	450	
Livestock ingesting soil and fodder			200						
Major microbial functional impairment			200						
Groundwater flow to surface water used by aquatic life									
Freshwater									
pH < 6.0	150	150	150	150	150	150	150	150	1,2
pH 6.0 – < 6.5	250	250	250	250	250	250	250	250	1,2
pH 6.5 – < 7.0	350	350	350	350	350	350	350	350	1,2
pH 7.0 – < 7.5	600	600	600	600	600	600	600	600	1,2
pH 7.5 – < 8.0	1 500	1 500	1 500	1 500	1 500	1 500	1 500	1 500	1,2

pH ≥ 8.0	3 000	3 000	3 000	3 000	3 000	3 000	3 000	3 000	3 000	1,2
Marine										
pH < 8.0	150	150	150	150	150	150	150	150	150	1
pH ≥ 8.0	200	200	200	200	200	200	200	200	200	1
Groundwater used for livestock watering										
pH < 5.5			150							1
pH 5.5 - < 6.0			200							1
pH 6.0 - < 6.5			300							1
pH 6.5 - < 7.0			400							1
pH 7.0 - < 7.5			750							1
pH 7.5 - < 8.0			2 000							1
pH ≥ 8.0			3 500							1
Groundwater used for irrigation										
pH < 6.0			150		150			150		1
pH 6.0 - < 6.5			300		300			300		1
pH 6.5 - < 7.0			400		400			400		1
pH 7.0 - < 7.5			2 000		2 000			2 000		1
pH 7.5 - < 8.0			5 000		5 000			5 000		1
pH ≥ 8.0			9 000		9 000			9 000		1

Notes

- 1 The pH is the pH of the soil at a site.
- 2 Standard varies with receiving water hardness (H). H = 200 to < 300 mg/L as CaCO₃ is assumed. If the receiving water hardness is outside of this specified range, modify the standard in accordance with a director's protocol.

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
acenaphthene	83-32-9	2 000	2 000	950	2 000	950	2 000	15 000	15 000
acephate	30560-19-1	100	100	60	100	60	100	950	950
acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	15	15	8	15	8	15	100	100
acetochlor	34256-82-1	650	650	300	650	300	650	4 500	4 500
acetone	67-64-1	30 000	30 000	15 000	30 000	15 000	30 000	200 000	200 000
acetophenone	98-86-2	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
acrolein	107-02-8	15	15	8	15	8	15	100	100
acrylamide	79-06-1	6	6	3	6	3	6	65	65
acrylic acid	79-10-7	15 000	15 000	8 000	15 000	8 000	15 000	100 000	100 000
acrylonitrile	107-13-1	25	25	15	25	15	25	60	60
adipic acid	124-04-9	65 000	65 000	30 000	65 000	30 000	65 000	450 000	450 000
alachlor	15972-60-8	250	250	100	250	100	250	600	600
aldicarb	116-06-3	30	30	15	30	15	30	250	250
aldicarb sulfone	1646-88-4	30	30	15	30	15	30	250	250
aldrin	309-00-2	0.8	0.8	0.4	0.8	0.4	0.8	2	2
allyl alcohol	107-18-6	150	150	80	150	80	150	1 000	1 000
allyl chloride	107-05-1	650	650	350	650	350	650	1 500	1 500
aluminum	7429-90-5	40 000	40 000	40 000	40 000	40 000	40 000	250 000	250 000
ametryn	834-12-8	300	300	150	300	150	300	2 000	2 000
aminobiphenyl, 4-	92-67-1	0.65	0.65	0.35	0.65	0.35	0.65	1.5	1.5
aminophenol, 3-	591-27-5	2 500	2 500	1 500	2 500	1 500	2 500	20 000	20 000
aminophenol, 4-	123-30-8	650	650	300	650	300	650	4 500	4 500
amitraz	33089-61-1	80	80	40	80	40	80	600	600
aniline	62-53-3	200	200	100	200	100	200	1 500	1 500
anthraquinone, 9,10-	84-65-1	65	65	30	65	30	65	450	450
antimony	7440-36-0	500	500	250	500	250	500	1 500	1 500
aramite	140-57-8	550	550	300	550	300	550	1 500	1 500

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
asbestos	1332-21-4	1%	1%	1%	1%	1%	1%	1%	1%
asulam	3337-71-1	1 500	1 500	800	1 500	800	1 500	10 000	10 000
atrazine	1912-24-9	60	60	30	60	30	60	150	150
auramine	492-80-8	15	15	8	15	8	15	35	35
avermectin B1 (a + b)	71751-41-2	10	10	6	10	6	10	95	95
azinphos-methyl	86-50-0	90	90	45	90	45	90	700	700
azobenzene	103-33-3	150	150	65	150	65	150	300	300
azodicarbonamide	123-77-3	30 000	30 000	15 000	30 000	15 000	30 000	250 000	250 000
benfluralin	1861-40-1	9 000	9 000	4 500	9 000	4 500	9 000	70 000	70 000
benomyl	17804-35-2	1 500	1 500	800	1 500	800	1 500	10 000	10 000
bensulfuron-methyl	83055-99-6	6 500	6 500	3 000	6 500	3 000	6 500	45 000	45 000
benitazon	25057-89-0	900	900	450	900	450	900	7 000	7 000
benz(a)anthracene	56-55-3	95	95	50	95	50	95	300	300
benzidine	92-87-5	0.015	0.015	0.0065	0.015	0.0065	0.015	0.15	0.15
benzo(b+j)fluoranthenes	205-99-2	95	95	50	95	50	95	300	300
	& 205-82-3								
benzo(k)fluoranthene	207-08-9	95	95	50	95	50	95	300	300
benzoic acid	65-85-0	100 000	100 000	60 000	100 000	60 000	100 000	950 000	950 000
benzotrithloride	98-07-7	1	1	0.55	1	0.55	1	2.5	2.5
benzyl alcohol	100-51-6	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
benzyl chloride	100-44-7	65	65	30	65	30	65	200	200
bifenox	42576-02-3	300	300	150	300	150	300	2 000	2 000
bifenthrin	82657-04-3	500	500	250	500	250	500	3 500	3 500
biphenyl, 1,1'-	92-52-4	15 000	15 000	8 000	15 000	8 000	15 000	100 000	100 000
bis(2-chloro-1-methyl)ethyl ether	108-60-1	1 000	1 000	600	1 000	600	1 000	9 500	9 500
bis(2-chloroethoxy) methane	111-91-1	90	90	45	90	45	90	700	700
bis(2-chloroethyl) ether	111-44-4	2.5	2.5	1.5	2.5	1.5	2.5	6	6

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
bis(2-ethylhexyl) adipate	103-23-1	10 000	10 000	6 000	10 000	6 000	10 000	25 000	25 000
bis(2-ethylhexyl) phthalate [DEHP]	117-81-7	350	350	150	350	150	350	1 000	30 000
bisphenol A	80-05-7	1 500	1 500	800	1 500	800	1 500	10 000	10 000
boron	7440-42-8	15 000	15 000	8 500	15 000	8 500	15 000	50 000	> 1 000 mg/g
bromate	15541-45-4	20	20	10	20	10	20	45	45
bromo-2-chloroethane, 1-	107-04-0	7	7	3.5	7	3.5	7	15	15
bromobenzene	108-86-1	250	250	150	250	150	250	2 000	2 000
bromodichloromethane	75-27-4	200	200	100	200	100	200	550	550
bromoform	75-25-2	650	650	300	650	300	650	4 000	4 000
bromomethane	74-83-9	45	45	20	45	20	45	300	300
bromophos	2104-96-3	150	150	80	150	80	150	1 000	1 000
bromoxynil	1689-84-5	650	650	300	650	300	650	4 500	4 500
butadiene, 1,3-	106-99-0	4	4	2	4	2	4	9.5	9.5
butanoic acid, 4-(4-chloro-2-methylphenoxy)- [MCPB]	94-81-5	300	300	150	300	150	300	2500	2500
butanol, 2-	78-92-2	65 000	65 000	30 000	65 000	30 000	65 000	450 000	450 000
butanol, n-	71-36-3	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
butoxy ethanol, 2-	111-76-2	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
butyl benzyl phthalate	85-68-7	6 500	6 500	3 000	6 500	3 000	6 500	15 000	15 000
butyl phthalyl butyl glycolate	85-70-1	30 000	30 000	15 000	30 000	15 000	30 000	250 000	250 000
butylate	2008-41-5	1 500	1 500	800	1 500	800	1 500	10 000	10 000
butylated hydroxytoluene [BHT]	128-37-0	4 000	4 000	2 000	4 000	2 000	4 000	9 000	9 000
butylbenzene, n-	104-51-8	1 500	1 500	800	1 500	800	1 500	10 000	10 000
butylbenzene, sec-	135-98-8	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
butylbenzene, tert-	98-06-6	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
cadolylic acid	75-60-5	650	650	300	650	300	650	4500	4500

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RL _{LD})	Residential High Density (RL _{HD})	Commercial (CL)	Industrial (IL)
caprolactam	105-60-2	15 000	15 000	8 000	15 000	8 000	15 000	100 000	100 000
captafol	2425-06-1	65	65	30	65	30	65	200	200
captan	133-06-2	4 000	4 000	2 000	4 000	2 000	4 000	15 000	15 000
carbaryl	63-25-2	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
carbofuran	1563-66-2	150	150	80	150	80	150	1 000	1 000
carbon disulfide	75-15-0	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
carbon tetrachloride	56-23-5	350	350	150	350	150	350	1 000	5 000
carbosulfan	55285-14-8	300	300	150	300	150	300	2 500	2 500
carboxin	5234-68-4	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
chloramben	133-90-4	500	500	250	500	250	500	3 500	3 500
chloranil	118-75-2	35	35	15	35	15	35	80	80
chlordane (cis + trans)	5103-71-9 & 5103-74-2	15	15	8	15	8	15	95	95
chlordecone	143-50-0	1.5	1.5	0.7	1.5	0.7	1.5	3.5	3.5
chlorfenvinphos	470-90-6	20	20	10	20	10	20	150	150
chlorimuron, ethyl	90982-32-4	650	650	300	650	300	650	4 500	4 500
chloro-2-methylamine, 4-	95-69-2	90	90	45	90	45	90	350	350
chloroacetaldehyde, 2-	107-20-0	50	50	25	50	25	50	100	100
chloroamine, p-	106-47-8	70	70	35	70	35	70	150	150
chlorobenzene	108-90-7	1 500	1 500	850	1 500	850	1 500	5 000	150 000
chlorobenzilate	510-15-6	150	150	65	150	65	150	300	300
chlorobenzoic acid, 4-	74-11-3	900	900	450	900	450	900	7 000	7 000
chlorobenzoic chloride, 4-	5216-25-1	0.7	0.7	0.35	0.7	0.35	0.7	1.5	1.5
chlorobenzotrifluoride, 4-	98-56-6	90	90	45	90	45	90	700	700
chlorobutane, 1-	109-69-3	1 000	1 000	600	1 000	600	1 000	9 500	9 500
chloroethanol, 2-	107-07-3	650	650	300	650	300	650	4 500	4 500
chloroform	67-66-3	850	850	400	850	400	850	2 500	70 000
chloronaphthalene, 2-	91-58-7	2 500	2 500	1 500	2 500	1 500	2 500	20 000	20 000

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
chloronitrobenzene, 2-	88-73-3	45	45	25	45	25	45	100	100
chloronitrobenzene, 4-	100-00-5	30	30	15	30	15	30	250	250
chlorophenol, 2-	95-57-8	400	400	200	400	200	400	1 500	35 000
chlorophenol, 3-	108-43-0	250	250	100	250	100	250	750	20 000
chlorophenol, 4-	106-48-9	250	250	100	250	100	250	750	20 000
chloroprene	126-99-8	650	650	300	650	300	650	4 500	4 500
chlorothaloniol	1897-45-6	500	500	250	500	250	500	3 500	3 500
chlorotoluene, 2-	95-49-8	650	650	300	650	300	650	4 500	4 500
chlorotoluene, 4-	106-43-4	650	650	300	650	300	650	4 500	4 500
chlorpropylam	101-21-3	6 500	6 500	3 000	6 500	3 000	6 500	45 000	45 000
chlorpyrifos	2921-88-2	30	30	15	30	15	30	250	250
chlorpyrifos-methyl	5598-13-0	300	300	150	300	150	300	2 500	2 500
chlorsulfuron	64902-72-3	1 500	1 500	800	1 500	800	1 500	10 000	10 000
chlorthal-dimethyl	1861-32-1	300	300	150	300	150	300	2 500	2 500
chlorthiophos	60238-56-4	25	25	15	25	15	25	200	200
chrysene	218-01-9	400	400	200	400	200	400	4 500	4 500
clofentazine	74115-24-5	400	400	200	400	200	400	3 000	3 000
crotonaldehyde, trans-	123-73-9	7.5	7.5	3.5	7.5	3.5	7.5	15	15
cyanazine	21725-46-2	15	15	8.5	15	8.5	15	40	40
cyanogen	460-19-5	30	30	15	30	15	30	250	250
cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	600	600	300	600	300	600	1 500	1 500
cyclohexanone	108-94-1	150 000	150 000	80 000	150 000	80 000	150 000	1 000 000	1 000 000
cyclohexene	110-83-8	150	150	80	150	80	150	1 000	1 000
cyclohexylamine	108-91-8	6 500	6 500	3 000	6 500	3 000	6 500	45 000	45 000
cyfluthrin	68359-37-5	800	800	400	800	400	800	6 000	6 000
cyhalothrin	68085-85-8	150	150	80	150	80	150	1 000	1 000
cypermethrin	52315-07-8	300	300	150	300	150	300	2 500	2 500

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
cyromazine	66215-27-8	250	250	100	250	100	250	2 000	2 000
dalapon	75-99-0	900	900	450	900	450	900	7 000	7 000
daminozide	1596-84-5	800	800	400	800	400	800	2 000	2 000
demeton	8065-48-3	1	1	0.6	1	0.6	1	9.5	9.5
diallate	2303-16-4	200	200	100	200	100	200	550	550
diaminoluene, 2,5-	95-70-5	6.5	6.5	3	6.5	3	6.5	45	45
diazinon	333-41-5	20	20	10	20	10	20	150	150
dibenz(a,h)anthracene	53-70-3	10	10	5	10	5	10	30	50
dibenzo(a,e)pyrene	192-65-4	1	1	0.6	1	0.6	1	2.5	2.5
dibenzofuran	132-64-9	30	30	15	30	15	30	250	250
dibenzothiophene	132-65-0	300	300	150	300	150	300	2 500	2 500
dibromo-3-chloropropane, 1,2-	96-12-8	4	4	2	4	2	4	40	40
dibromobenzene, 1,3-	108-36-1	10	10	6	10	6	10	95	95
dibromobenzene, 1,4-	106-37-6	300	300	150	300	150	300	2 500	2 500
dibromochloromethane [DBCM]	124-48-1	150	150	85	150	85	150	400	400
dibromoethane, 1,2-	106-93-4	7	7	3.5	7	3.5	7	15	15
dibutyl phthalate [DBP]	84-74-2	8 500	8 500	4 000	8 500	4 000	8 500	25 000	700 000
dibutyltin	14488-53-0	9	9	4.5	9	4.5	9	70	70
dicamba	1918-00-9	900	900	450	900	450	900	7 000	7 000
dichloroacetic acid	79-43-6	100	100	60	100	60	100	650	650
dichlorobenzene, 1,2-	95-50-1	7 500	7 500	3 500	7 500	3 500	7 500	25 000	650 000
dichlorobenzene, 1,3-	541-73-1	2 500	2 500	1 000	2 500	1 000	2 500	7 500	200 000
dichlorobenzene, 1,4-	106-46-7	9 000	9 000	4 500	9 000	4 500	9 000	30 000	800 000
dichlorobenzidine, 3,3'-	91-94-1	30	30	15	30	15	30	75	75
dichlorodifluoromethane	75-71-8	6 500	6 500	3 000	6 500	3 000	6 500	45 000	45 000
dichlorodiphenyl sulfone, 4,4'-	80-07-9	25	25	15	25	15	25	200	200
dichloroethane, 1,1-	75-34-3	15 000	15 000	8 500	15 000	8 500	15 000	50 000	> 1 000 mg/g

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
dichloroethane, 1,2-	107-06-2	150	150	75	150	75	150	350	350
dichloroethylene, 1,1-	75-35-4	4 000	4 000	2 000	4 000	2 000	4 000	15 000	350 000
dichloroethylene, 1,2-cis-	156-59-2	150	150	85	150	85	150	500	15 000
dichloroethylene, 1,2-trans-	156-60-5	1 500	1 500	850	1 500	850	1 500	5 000	150 000
dichloromethane	75-09-2	500	500	250	500	250	500	1 500	40 000
dichlorophenol, 2,3-	576-24-9	250	250	100	250	100	250	750	20 000
dichlorophenol, 2,4-	120-83-2	250	250	100	250	100	250	750	20 000
dichlorophenol, 2,5-	583-78-8	250	250	100	250	100	250	750	20 000
dichlorophenol, 2,6-	87-65-0	250	250	100	250	100	250	750	20 000
dichlorophenol, 3,4-	95-77-2	250	250	100	250	100	250	750	20 000
dichlorophenol, 3,5-	591-35-5	250	250	100	250	100	250	750	20 000
dichlorophenoxy acetic acid, 2,4-[2,4-D]	94-75-7	300	300	150	300	150	300	2 500	2 500
dichlorophenoxy butyric acid, 2,4-[2,4-DB]	94-82-6	250	250	150	250	150	250	2 000	2 000
dichloropropane, 1,2-	78-87-5	1 000	1 000	600	1 000	600	1 000	3 500	10 000
dichloropropane, 1,3-	142-28-9	650	650	300	650	300	650	4 500	4 500
dichloropropanol, 2,3-	616-23-9	90	90	45	90	45	90	700	700
dichloropropene, 1,3-(cis + trans)	542-75-6	2 500	2 500	1 000	2 500	1 000	2 500	7 500	200 000
dichlorvos	62-73-7	15	15	8	15	8	15	100	100
dicrotophos	141-66-2	3	3	1.5	3	1.5	3	25	25
dicyclopentadiene	77-73-6	2 500	2 500	1 500	2 500	1 500	2 500	20 000	20 000
die/drin	60-57-1	0.85	0.85	0.45	0.85	0.45	0.85	2	2
diethanolamine	111-42-2	65	65	30	65	30	65	450	450
diethyl ether	60-29-7	6 500	6 500	3 000	6 500	3 000	6 500	45 000	45 000
diethyl phthalate	84-66-2	25 000	25 000	15 000	25 000	15 000	25 000	200 000	200 000
diethyldithiocarbamate	392-74-5	10	10	5	10	5	10	25	25

**SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH'**

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
diethylene glycol monobutyl ether	112-34-5	900	900	450	900	450	900	7 000	7 000
diethylene glycol monoethyl ether	111-90-0	2 000	2 000	950	2 000	950	2 000	15 000	15 000
diethylformamide	617-84-5	30	30	15	30	15	30	250	250
diflubenzuron	35367-38-5	650	650	300	650	300	650	4 500	4 500
diisobutylene	25167-70-8	300	300	150	300	150	300	2 500	2 500
dimethipin	55290-64-7	650	650	300	650	300	650	4 500	4 500
dimethoate	60-51-5	6.5	6.5	3	6.5	3	6.5	45	45
dimethoxybenzidine, 3,3'-	119-90-4	8.5	8.5	4.5	8.5	4.5	8.5	20	20
dimethyl methylphosphonate	756-79-6	2 000	2 000	950	2 000	950	2 000	15 000	15 000
dimethylamino azobenzene, 4-[DAB]	60-11-7	3	3	1.5	3	1.5	3	7	7
dimethylaniline, 2,4-	95-68-1	65	65	30	65	30	65	150	150
dimethylaniline, N,N-[DMA]	121-69-7	65	65	30	65	30	65	450	450
dimethylbenz(a)anthracene, 7,12-	57-97-6	0.02	0.02	0.02	0.02	0.02	0.02	0.025	0.025
dimethylbenzidine, 3,3'-	119-93-7	1.5	1.5	0.65	1.5	0.65	1.5	3	3
dimethylformamide	68-12-2	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
dimethylhydrazine, 1,1-	57-14-7	3	3	1.5	3	1.5	3	25	25
dimethylphenol, 2,4-	105-67-9	1 500	1 500	850	1 500	850	1 500	5 000	150 000
dimethylphenol, 2,6-	576-26-1	50	50	25	50	25	50	150	4 000
dimethylphenol, 3,4-	95-65-8	85	85	40	85	40	85	250	7 000
dimethylterephthalate	120-61-6	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
dinitrobenzene, 1,2-	528-29-0	3	3	1.5	3	1.5	3	25	25
dinitrobenzene, 1,3-	99-65-0	3	3	1.5	3	1.5	3	25	25
dinitrobenzene, 1,4-	100-25-4	3	3	1.5	3	1.5	3	25	25

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
dinitro-o-cyclohexyl phenol, 4,6-	131-89-5	65	65	30	65	30	65	450	450
dinitrophenol, 2,4-	51-28-5	150	150	85	150	85	150	500	15 000
dinitrotoluene, 2,4-	121-14-2	45	45	20	45	20	45	100	100
dinitrotoluene, 2,6-	606-20-2	9	9	4.5	9	4.5	9	20	20
dinitrotoluene, 2-amino-4,6-	35572-78-2	65	65	30	65	30	65	450	450
dinitrotoluene, 4-amino-2,6-	19406-51-0	65	65	30	65	30	65	450	450
dinoseb	88-85-7	30	30	15	30	15	30	250	250
dioxane, 1,4-	123-91-1	150	150	70	150	70	150	350	350
diphenamid	957-51-7	900	900	450	900	450	900	7 000	7 000
diphenyl sulfone	127-63-9	25	25	15	25	15	25	200	200
diphenyl-1,4-benzenediamine, N,N'	74-31-7	9	9	4.5	9	4.5	9	70	70
diphenylamine	122-39-4	800	800	400	800	400	800	6 000	6 000
diquat (as dibromide)	85-00-7	70	70	35	70	35	70	500	500
Direct Black 38	1937-37-7	2	2	1	2	1	2	4.5	4.5
Direct Blue 6	2602-46-2	2	2	0.95	2	0.95	2	4.5	4.5
Direct Brown 95	16071-86-6	2	2	1	2	1	2	5	5
disulfoton	298-04-4	1	1	0.6	1	0.6	1	9.5	9.5
diuron	330-54-1	65	65	30	65	30	65	450	450
dodine	2439-10-3	100	100	60	100	60	100	950	950
endosulfan I + II	115-29-7	500	500	250	500	250	500	1 500	40 000
endothall	145-73-3	650	650	300	650	300	650	4 500	4 500
endrin	72-20-8	9	9	4.5	9	4.5	9	70	70
EPTC	759-94-4	800	800	400	800	400	800	6 000	6 000
ethanol, 2-(2-methoxyethoxy)-	111-77-3	1 000	1 000	600	1 000	600	1 000	9 500	9 500
ethephon	16672-87-0	150	150	80	150	80	150	1 000	1 000
ethion	563-12-2	15	15	8	15	8	15	100	100

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
ethoxyethanol, 2-	110-80-5	3 000	3 000	1 500	3 000	1 500	3 000	20 000	20 000
ethoxyethanol acetate, 2-	111-15-9	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
ethyl acetate	141-78-6	30 000	30 000	15 000	30 000	15 000	30 000	200 000	200 000
ethyl acrylate	140-88-5	150	150	80	150	80	150	1 000	1 000
ethylene cyanohydrin	109-78-4	2 000	2 000	1 000	2 000	1 000	2 000	15 000	15 000
ethylene thiourea	96-45-7	2.5	2.5	1.5	2.5	1.5	2.5	20	20
ethylenediamine	107-15-3	3 000	3 000	1 500	3 000	1 500	3 000	20 000	20 000
ethyleneimine	151-56-4	0.2	0.2	0.1	0.2	0.1	0.2	0.5	0.5
ethyl-p-nitrophenyl benzenethionophosphonate [EPN]	2104-64-5	0.3	0.3	0.15	0.3	0.15	0.3	2.5	2.5
fenamiphos	22224-92-6	8	8	4	8	4	8	60	60
fenpropathrin	39515-41-8	800	800	400	800	400	800	6 000	6 000
fenvalerate	51630-58-1	800	800	400	800	400	800	6 000	6 000
fluometuron	2164-17-2	400	400	200	400	200	400	3 000	3 000
fluorene	86-73-7	1 000	1 000	600	1 000	600	1 000	9 500	9 500
fluoride	16984-48-8	8 500	8 500	4 500	8 500	4 500	8 500	25 000	750 000
fluridone	59756-60-4	2 500	2 500	1 500	2 500	1 500	2 500	20 000	20 000
flurprimidol	56425-91-3	650	650	300	650	300	650	4 500	4 500
flusilazole	85509-19-9	20	20	10	20	10	20	150	150
flutolanil	66332-96-5	2 000	2 000	950	2 000	950	2 000	15 000	15 000
fluralinate	69409-94-5	300	300	150	300	150	300	2 500	2 500
folpet	133-07-3	3 000	3 000	1 500	3 000	1 500	3 000	9 500	9 500
fomesafen	72178-02-0	75	75	35	75	35	75	150	150
fonofos	944-22-9	65	65	30	65	30	65	450	450
formaldehyde	50-00-0	6 500	6 500	3 000	6 500	3 000	6 500	45 000	45 000
formic acid	64-18-6	30 000	30 000	15 000	30 000	15 000	30 000	200 000	200 000
fosetyl	15845-66-6	90 000	90 000	45 000	90 000	45 000	90 000	700 000	700 000

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
furan	110-00-9	30	30	15	30	15	30	250	250
furazolidone	67-45-8	3.5	3.5	2	3.5	2	3.5	8.5	8.5
furfural	98-01-1	90	90	45	90	45	90	700	700
furmecyclox	60568-05-0	450	450	250	450	250	450	1 000	1 000
furothiazole	531-82-8	9	9	4.5	9	4.5	9	20	20
glufosinate	53369-07-6	10	10	6	10	6	10	95	95
glycidaldehyde	765-34-4	10	10	6	10	6	10	95	95
glyphosate	1071-83-6	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
guanidine	113-00-8	300	300	150	300	150	300	2 500	2 500
haloxyfop, methyl	69806-40-2	1.5	1.5	0.8	1.5	0.8	1.5	10	10
HEPHS ³	NA	1 000	1 000	1 000	1 000	1 000	1 000	5 000	5 000
heptachlor	76-44-8	3	3	1.5	3	1.5	3	7.5	7.5
heptachlor epoxide	1024-57-3	0.4	0.4	0.2	0.4	0.2	0.4	3	3
hexabromobenzene	87-82-1	65	65	30	65	30	65	450	450
hexabromobiphenyl, 2,2',4,4',5,5'-	59536-65-1	0.09	0.09	0.045	0.09	0.045	0.09	0.2	0.2
hexachlorobenzene	118-74-1	65	65	35	65	35	65	200	450
hexachlorobutadiene	87-68-3	30	30	15	30	15	30	250	250
hexachlorocyclohexane, alpha-	319-84-6	2	2	1	2	1	2	5	5
hexachlorocyclohexane, beta-	319-85-7	8	8	4	8	4	8	20	20
hexachlorocyclohexane, gamma-	58-89-9	25	25	10	25	10	25	75	250
hexachlorocyclopentadiene	77-47-4	200	200	95	200	95	200	1 500	1 500
hexachloroethane	67-72-1	20	20	10	20	10	20	150	150
hexachlorophene	70-30-4	9	9	4.5	9	4.5	9	70	70
hexahydro-1,3,5-trinitro-1,3,5-triazine [RDX]	121-82-4	90	90	45	90	45	90	300	300
hexamethylphosphoramide	680-31-9	10	10	6	10	6	10	95	95

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
hexanone, 2-	591-78-6	150	150	80	150	80	150	1 000	1 000
hexazinone	51235-04-2	1 000	1 000	500	1 000	500	1 000	8 000	8 000
hexythiazox	78587-05-0	800	800	400	800	400	800	6 000	6 000
hydramethylnon	67485-29-4	9	9	4.5	9	4.5	9	70	70
hydrazine	302-01-2	4.5	4.5	2.5	4.5	2.5	4.5	10	10
hydroquinone	123-31-9	250	250	100	250	100	250	550	550
imazalil	35554-44-0	400	400	200	400	200	400	3 000	3 000
imazaquin	81335-37-7	8 000	8 000	4 000	8 000	4 000	8 000	60 000	60 000
imazethapyr	81335-77-5	8 000	8 000	4 000	8 000	4 000	8 000	60 000	60 000
indeno(1,2,3-cd)pyrene	193-39-5	95	95	50	95	50	95	30	500
iprodione	36734-19-7	1 000	1 000	600	1 000	600	1 000	9 500	9 500
iron	7439-89-6	35 000	35 000	35 000	35 000	35 000	35 000	150 000	150 000
isobutanol	78-83-1	9 000	9 000	4 500	9 000	4 500	9 000	70 000	70 000
isophorone	78-59-1	6 500	6 500	3 000	6 500	3 000	6 500	35 000	35 000
isopropalin	33820-53-0	500	500	250	500	250	500	3 500	3 500
isopropanol	67-63-0	65 000	65 000	30 000	65 000	30 000	65 000	450 000	450 000
isopropylbenzene	98-82-8	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
isoxaben	82558-50-7	1 500	1 500	800	1 500	800	1 500	10 000	10 000
lactofen	77501-63-4	65	65	30	65	30	65	450	450
LEPHs ⁴	NA	1 000	1 000	1 000	1 000	1 000	1 000	2 000	2 000
linuron	330-55-2	65	65	30	65	30	65	450	450
lithium	7439-93-2	65	65	30	65	30	65	450	450
malathion	121-75-5	650	650	300	650	300	650	4 500	4 500
malononitrile	109-77-3	3	3	1.5	3	1.5	3	25	25
mancozeb	8018-01-7	900	900	450	900	450	900	7 000	7 000
maneb	12427-38-2	150	150	80	150	80	150	1 000	1 000
mecoprop [MCPP]	93-65-2	30	30	15	30	15	30	250	250
merphos	150-50-5	0.9	0.9	0.45	0.9	0.45	0.9	7	7

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
metalaxyl	57837-19-1	2 000	2 000	950	2 000	950	2 000	15 000	15 000
methacrylonitrile	126-98-7	3	3	1.5	3	1.5	3	25	25
methamidophos	10265-92-6	1.5	1.5	0.8	1.5	0.8	1.5	10	10
methidathion	950-37-8	30	30	15	30	15	30	250	250
methomyl	16752-77-5	800	800	400	800	400	800	6 000	6 000
methoxy-5-nitroaniline, 2-	99-59-2	300	300	150	300	150	300	650	650
methoxychlor	72-43-5	150	150	80	150	80	150	1 000	1 000
methoxyethanol, 2-	109-86-4	150	150	80	150	80	150	1 000	1 000
methoxyethanol acetate, 2-	110-49-6	250	250	150	250	150	250	2 000	2 000
methyl acetate	79-20-9	30 000	30 000	15 000	30 000	15 000	30 000	250 000	250 000
methyl ethyl ketone [MEK]	78-93-3	20 000	20 000	9 500	20 000	9 500	20 000	150 000	150 000
methyl hydrazine	60-34-4	30	30	15	30	15	30	250	250
methyl mercury	22967-92-6	3	3	1.5	3	1.5	3	25	25
methyl methacrylate	80-62-6	45 000	45 000	20 000	45 000	20 000	45 000	300 000	300 000
methyl tert-butyl ether [MTBE]	1634-04-4	8 000	8 000	4 000	8 000	4 000	8 000	20 000	20 000
methyl+5-nitroaniline, 2-	99-55-8	650	650	300	650	300	650	3 500	3 500
methylamine, 2-	95-53-4	20	20	10	20	10	20	50	50
methylamine, 4-	106-49-0	100	100	60	100	60	100	950	950
methylamine, N-	100-61-8	65	65	30	65	30	65	450	450
methylcholanthrene, 3-	56-49-5	0.15	0.15	0.07	0.15	0.07	0.15	1.5	1.5
methylene-bis(2-chloroaniline), 4,4'-	101-14-4	30	30	15	30	15	30	350	350
methylene-bis(N, N-dimethyl)aniline, 4,4'-	101-61-1	300	300	150	300	150	300	700	700
methylenebisbenzenamine, 4,4'-	101-77-9	8.5	8.5	4.5	8.5	4.5	8.5	20	20
methyl naphthalene, 1-	90-12-0	500	500	250	500	250	500	1 000	1 000
methyl naphthalene, 2-	91-57-6	100	100	60	100	60	100	950	950

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
methyphenol, 2-	95-48-7	4 000	4 000	2 000	4 000	2 000	4 000	15 000	350 000
methyphenol, 3-	108-39-4	4 000	4 000	2 000	4 000	2 000	4 000	15 000	350 000
methyphenol, 4-	106-44-5	400	400	200	400	200	400	1 500	35 000
methyphenol, 4-chloro-3-	59-50-7	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
methystyrene, alpha-	98-83-9	2 000	2 000	1 000	2 000	1 000	2 000	15 000	15 000
metolachlor	51218-45-2	5 000	5 000	2 500	5 000	2 500	5 000	35 000	35 000
metribuzin	21087-64-9	800	800	400	800	400	800	6 000	6 000
metulfuron-methyl	74223-64-6	8 000	8 000	4 000	8 000	4 000	8 000	60 000	60 000
mirex	2385-85-5	0.8	0.8	0.4	0.8	0.4	0.8	2	2
molinate	2212-67-1	65	65	30	65	30	65	450	450
monomethylarsonic acid	124-58-3	300	300	150	300	150	300	2 500	2 500
myclobutamil	88671-89-0	800	800	400	800	400	800	6 000	6 000
naled	300-76-5	65	65	30	65	30	65	450	450
naphthylamine, 2-	91-59-8	8	8	4	8	4	8	20	20
napropamide	15299-99-7	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
nitrate (as N)	14797-55-8	50 000	50 000	25 000	50 000	25 000	50 000	400 000	400 000
nitrite (as N)	14797-65-0	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
nitroaniline, 2-	88-74-4	300	300	150	300	150	300	2 500	2 500
nitroaniline, 4-	100-01-6	100	100	60	100	60	100	950	950
nitrobenzene	98-95-3	65	65	30	65	30	65	450	450
nitrofurazone	59-87-0	10	10	5.5	10	5.5	10	25	25
nitroglycerin	55-63-0	3	3	1.5	3	1.5	3	25	25
nitroguanidine	556-88-7	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
nitrophenol, 2-	88-75-5	2	2	0.1	2	1	2	10	10
nitrophenol, 4-	100-02-7	2	2	0.1	2	1	2	10	10
nitropyrene, 4-	57835-92-4	10	10	6	10	6	10	25	25
nitrosodiethanolamine, N-	11116-54-7	5	5	2.5	5	2.5	5	10	10

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
nitrosodiethylamine, N-[NDEA]	55-18-5	0.02	0.02	0.01	0.02	0.01	0.02	0.2	0.2
nitrosodimethylamine, N-[NDMA]	62-75-9	0.06	0.06	0.03	0.06	0.03	0.06	0.65	0.65
nitroso-di-N-butylamine, N-	924-16-3	2.5	2.5	1.5	2.5	1.5	2.5	6	6
nitroso-di-N-propylamine, N-	621-64-7	2	2	1	2	1	2	4.5	4.5
nitrosodiphenylamine, N-	86-30-6	3 000	3 000	1 500	3 000	1 500	3 000	6 500	6 500
nitrosomethylethylamine, N-	10595-95-6	0.65	0.65	0.3	0.65	0.3	0.65	1.5	1.5
nitrosomorpholine, N-	59-89-2	2	2	1	2	1	2	5	5
nitrosopiperidine, N-	100-75-4	1.5	1.5	0.75	1.5	0.75	1.5	3.5	3.5
nitrosopyrrolidine, N-	930-55-2	6.5	6.5	3.5	6.5	3.5	6.5	15	15
nitrotoluene, 2-	88-72-2	30	30	15	30	15	30	150	150
nitrotoluene, 3-	99-08-1	3	3	1.5	3	1.5	3	25	25
nitrotoluene, 4-	99-99-0	100	100	60	100	60	100	950	950
nonane, n-	111-84-2	9	9	4.5	9	4.5	9	70	70
nonaqueous phase liquids ⁵	NA	not present	not present	not present	not present	not present	not present	not present	not present
norflurazon	27314-13-2	1 000	1 000	600	1 000	600	1 000	9 500	9 500
octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine [HMX]	2691-41-0	1 500	1 500	800	1 500	800	1 500	10 000	10 000
octamethylpyrophosphoramide [OMPA]	152-16-9	65	65	30	65	30	65	450	450
octyl phthalate, di-n- [DNOP]	117-84-0	300	300	150	300	150	300	2 500	2 500
odorous substances ⁶	NA	not present	not present	not present	not present	not present	not present	not present	not present
oryzalin	19044-88-3	1 500	1 500	800	1 500	800	1 500	10 000	10 000
oxadiazon	19666-30-9	150	150	80	150	80	150	1 000	1 000
oxamyl	23135-22-0	800	800	400	800	400	800	6 000	6 000
oxyfluorfen	42874-03-3	90	90	45	90	45	90	700	700
paclobutrazol	76738-62-0	400	400	200	400	200	400	3 000	3 000

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
paraquat (as dichloride)	1910-42-5	150	150	70	150	70	150	1 000	1 000
parathion	56-38-2	200	200	95	200	95	200	1 500	1 500
parathion methyl	298-00-0	8	8	4	8	4	8	60	60
pebulate	1114-71-2	1 500	1 500	800	1 500	800	1 500	10 000	10 000
pendimethalin	40487-42-1	1 000	1 000	600	1 000	600	1 000	9 500	9 500
pentachlorobenzene, 1,2,3,4,5-	608-93-5	65	65	35	65	35	65	200	5 500
pentachloroethane	76-01-7	150	150	75	150	75	150	350	350
pentachloronitrobenzene [PCNB]	82-68-8	55	55	25	55	25	55	150	150
pentacerythritol tetranitrate [PETN]	78-11-5	65	65	30	65	30	65	450	450
perchlorate	14797-73-0	20	20	10	20	10	20	150	150
perfluorobutane sulfonate [PFBS]	375-73-5	650	650	300	650	300	650	4 500	4 500
permethrin (cis + trans)	52645-53-1	1 500	1 500	800	1 500	800	1 500	10 000	10 000
phenanthrene	85-01-8	3 500	3 500	1 500	3 500	1 500	3 500	10 000	300 000
phenmedipham	13684-63-4	8 000	8 000	4 000	8 000	4 000	8 000	60 000	60 000
phenol, 2-methyl-4,6-dinitro-	534-52-1	2.5	2.5	1.5	2.5	1.5	2.5	20	20
phenothiazine	92-84-2	15	15	8	15	8	15	100	100
phenylenediamine, m- [MPD]	108-45-2	200	200	95	200	95	200	1 500	1 500
phenylenediamine, o- [OPD]	95-54-5	300	300	150	300	150	300	700	700
phenylenediamine, p- [PPD]	106-50-3	6 000	6 000	3 000	6 000	3 000	6 000	45 000	45 000
phenylphenol, 2-	90-43-7	7 000	7 000	3 500	7 000	3 500	7 000	15 000	15 000
phorate	298-02-2	6.5	6.5	3	6.5	3	6.5	45	45
phosmet	732-11-6	650	650	300	650	300	650	4 500	4 500
phthalic acid, p-	100-21-0	30 000	30 000	15 000	30 000	15 000	30 000	250 000	250 000
picloram	1918-02-1	2 000	2 000	1 000	2 000	1 000	2 000	15 000	15 000
picramic acid	96-91-3	3	3	1.5	3	1.5	3	25	25

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
picric acid	88-89-1	30	30	15	30	15	30	200	200
pirimiphos- methyl	29232-93-7	300	300	150	300	150	300	2 500	2 500
prochloraz	67747-09-5	90	90	45	90	45	90	200	200
profluralin	26399-36-0	200	200	95	200	95	200	1 500	1 500
prometon	1610-18-0	500	500	250	500	250	500	3 500	3 500
prometryn	7287-19-6	100	100	60	100	60	100	950	950
propachlor	1918-16-7	400	400	200	400	200	400	3 000	3 000
propanil	709-98-8	150	150	80	150	80	150	1 000	1 000
propargite	2312-35-8	650	650	300	650	300	650	4 500	4 500
propargyl alcohol	107-19-7	65	65	30	65	30	65	450	450
propazine	139-40-2	650	650	300	650	300	650	4 500	4 500
propham	122-42-9	650	650	300	650	300	650	4 500	4 500
propiconazole	60207-90-1	400	400	200	400	200	400	3 000	3 000
propylbenzene, 1-	103-65-1	3 000	3 000	1 500	3 000	1 500	3 000	25 000	25 000
propylene glycol monomethyl ether	107-98-2	20 000	20 000	10 000	20 000	10 000	20 000	150 000	150 000
propylene oxide	75-56-9	60	60	30	60	30	60	150	150
propyzamide	23950-58-5	2 500	2 500	1 000	2 500	1 000	2 500	20 000	20 000
pyrene	129-00-0	2 500	2 500	1 000	2 500	1 000	2 500	7 500	200 000
pyridine	110-86-1	30	30	15	30	15	30	250	250
quinalphos	13593-03-8	15	15	8	15	8	15	100	100
quinoline	91-22-5	4.5	4.5	2.5	4.5	2.5	4.5	10	10
quizalofop-ethyl	76578-14-8	300	300	150	300	150	300	2 000	2 000
resmethrin	10453-86-8	900	900	450	900	450	900	7 000	7 000
ronnel	299-84-3	1 500	1 500	800	1 500	800	1 500	10 000	10 000
rotenone	83-79-4	100	100	60	100	60	100	950	950
selenious acid	7783-00-8	150	150	80	150	80	150	1 000	1 000
sethoxydim	74051-80-2	3 000	3 000	1 500	3 000	1 500	3 000	20 000	20 000

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
silver	7440-22-4	400	400	200	400	200	400	1 500	35 000
silvex	93-72-1	250	250	150	250	150	250	2 000	2 000
simazine	122-34-9	100	100	60	100	60	100	250	250
strontium	7440-24-6	20 000	20 000	9 500	20 000	9 500	20 000	150 000	150 000
strychnine	57-24-9	9	9	4.5	9	4.5	9	70	70
styrene	100-42-5	15 000	15 000	8 500	15 000	8 500	15 000	50 000	> 1 000 mg/g
styrene-acrylonitrile [SAN] trimer (all isomers)	NA	90	90	45	90	45	90	700	700
sulfotep	3689-24-5	15	15	8	15	8	15	100	100
sulfur, elemental	7704-34-9			2 000					
TCMTB	21564-17-0	900	900	450	900	450	900	7 000	7 000
tebutiuron	34014-18-1	2 000	2 000	1 000	2 000	1 000	2 000	15 000	15 000
temphos	3383-96-8	650	650	300	650	300	650	4 500	4 500
terbacil	5902-51-2	400	400	200	400	200	400	3 000	3 000
terbufos	13071-79-9	0.8	0.8	0.4	0.8	0.4	0.8	6	6
terbutryn	886-50-0	30	30	15	30	15	30	250	250
tetrachlorobenzene, 1,2,3,4-	634-66-2	300	300	150	300	150	300	850	25 000
tetrachlorobenzene, 1,2,3,5-	634-90-2	40	40	20	40	20	40	150	3 500
tetrachlorobenzene, 1,2,4,5-	95-94-3	9	9	4.5	9	4.5	9	70	70
tetrachloroethane, 1,1,1,2-	630-20-6	550	550	250	550	250	550	1 500	1 500
tetrachloroethane, 1,1,2,2-	79-34-5	70	70	35	70	35	70	150	150
tetrachlorophenol, 2,3,4,5-	4901-51-3	250	250	100	250	100	250	750	20 000
tetrachlorophenol, 2,3,4,6-	58-90-2	2 500	2 500	1 000	2 500	1 000	2 500	7 500	200 000
tetrachlorophenol, 2,3,5,6-	935-95-5	250	250	100	250	100	250	750	20 000
tetrachlorovinphos	961-11-5	600	600	300	600	300	600	1 500	1 500
tetraethyl lead	78-00-2	0.003	0.003	0.0015	0.003	0.0015	0.003	0.025	0.025
tetrahydrofuran	109-99-9	30 000	30 000	15 000	30 000	15 000	30 000	200 000	200 000
tetryl	479-45-8	65	65	30	65	30	65	450	450

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
thallium	7440-28-0			2					
thiophenol	79277-27-3	400	400	200	400	200	400	3 000	3 000
thiocyanate	28249-77-6	300	300	150	300	150	300	2 500	2 500
thiodiglycol	302-04-5	6.5	6.5	3	6.5	3	6.5	45	45
thiofanox	111-48-8	2 000	2 000	1 000	2 000	1 000	2 000	15 000	15 000
thiophanate- methyl	39196-18-4	9	9	4.5	9	4.5	9	70	70
thiram	23564-05-8	2 500	2 500	1 500	2 500	1 500	2 500	20 000	20 000
tin	108-98-5	30	30	15	30	15	30	250	250
toxaphene (all isomers)	137-26-8	150	150	80	150	80	150	1 000	1 000
tralomethrin	7440-31-5	50 000	50 000	25 000	50 000	25 000	50 000	150 000	> 1 000 mg/g
triadimefon	8001-35-2	15	15	6.5	15	6.5	15	30	30
tribromobenzene, 1,2,4-	66841-25-6	250	250	100	250	100	250	2 000	2 000
tributyl phosphite	43121-43-3	900	900	450	900	450	900	7 000	7 000
tributyl phosphite	2303-17-5	400	400	200	400	200	400	3 000	3 000
tributyl phosphite	82097-50-5	300	300	150	300	150	300	2 500	2 500
tributyl phosphite	101200-48-0	250	250	150	250	150	250	2 000	2 000
tributyl phosphite	615-54-3	150	150	80	150	80	150	1 000	1 000
tributyl phosphite	78-48-8	0.9	0.9	0.45	0.9	0.45	0.9	7	7
tributyl phosphite	126-73-8	300	300	150	300	150	300	2 500	2 500
tributyl phosphite	36643-28-4	9	9	4.5	9	4.5	9	70	70
trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	900 000	900 000	450 000	900 000	450 000	900 000	> 1 000 mg/g	> 1 000 mg/g
trichloroacetic acid	76-03-9	200	200	100	200	100	200	450	450
trichloroethylene, 1,1,2-	634-93-5	0.9	0.9	0.45	0.9	0.45	0.9	7	7
trichloroethylene, 1,2,3-	87-61-6	100	100	60	100	60	100	400	10 000
trichloroethylene, 1,2,4-	120-82-1	850	850	400	850	400	850	2 500	70 000
trichloroethylene, 1,3,5-	108-70-3	650	650	350	650	350	650	2 000	55 000
trichloroethylene, 1,1,1-	71-55-6	150 000	150 000	85 000	150 000	85 000	150 000	500 000	> 1 000 mg/g

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH'

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
trichloroethane, 1,1,2-	79-00-5	350	350	150	350	150	350	1 000	30 000
trichlorofluoromethane	75-69-4	9 000	9 000	4 500	9 000	4 500	9 000	70 000	70 000
trichlorophenol, 2,3,4-	15950-66-0	85	85	40	85	40	85	250	7 000
trichlorophenol, 2,3,5-	933-78-8	85	85	40	85	40	85	250	7 000
trichlorophenol, 2,3,6-	933-75-5	85	85	40	85	40	85	250	7 000
trichlorophenol, 2,4,5-	95-95-4	8 500	8 500	4 000	8 500	4 000	8 500	25 000	700 000
trichlorophenol, 2,4,6-	88-06-2	85	85	40	85	40	85	250	7 000
trichlorophenol, 3,4,5-	609-19-8	85	85	40	85	40	85	250	7 000
trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	300	300	150	300	150	300	2 500	2 500
trichloropropane, 1,1,2-	598-77-6	150	150	80	150	80	150	1 000	1 000
trichloropropane, 1,2,3-	96-18-4	0.1	0.1	0.05	0.1	0.05	0.1	1	1
trichloropropene, 1,2,3-	96-19-5	90	90	45	90	45	90	700	700
tricresyl phosphate [TCP]	1330-78-5	650	650	300	650	300	650	4 500	4 500
tridiphane	58138-08-2	90	90	45	90	45	90	700	700
triethylene glycol	112-27-6	65 000	65 000	30 000	65 000	30 000	65 000	450 000	450 000
trifluralin	1582-09-8	250	250	100	250	100	250	2 000	2 000
trimethyl phosphate	512-56-1	300	300	150	300	150	300	1 500	1 500
trimethylbenzene, 1,3,5-	108-67-8	300	300	150	300	150	300	2 500	2 500
trinitrobenzene, 1,3,5-	99-35-4	900	900	450	900	450	900	7 000	7 000
trinitrotoluene, 2,4,6-	118-96-7	15	15	8	15	8	15	100	100
tris(1,3-dichloro-2-propyl) phosphate [TDCPP]	13674-87-8	650	650	300	650	300	650	4 500	4 500
tris(1-chloro-2-propyl)phosphate [TCPP]	13674-84-5	300	300	150	300	150	300	2 500	2 500
tris(2,3-dibromopropyl) phosphate	126-72-7	6	6	3	6	3	6	1.5	1.5

SCHEDULE 3.1 – PART 2
GENERIC NUMERICAL SOIL STANDARDS TO PROTECT HUMAN HEALTH¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6	COLUMN 7	COLUMN 8	COLUMN 9	COLUMN 10
Substance	Chemical Abstract Service Number (CAS) ²	Wildlands Natural (WLN)	Wildlands Reverted (WLR)	Agricultural (AL)	Urban Park (PL)	Residential Low Density (RLD)	Residential High Density (RLHD)	Commercial (CL)	Industrial (IL)
tris(2-chloroethyl)phosphate [TCEP]	115-96-8	200	200	100	200	100	200	1 500	1 500
tris(2-ethylhexyl)phosphate	78-42-2	3 000	3 000	1 500	3 000	1 500	3 000	10 000	10 000
tungsten	7440-33-7	25	25	15	25	15	25	200	200
vermolate	1929-77-7	30	30	15	30	15	30	250	250
vindozolin	50471-44-8	800	800	400	800	400	800	6 000	6 000
vinyl acetate	108-05-4	30 000	30 000	15 000	30 000	15 000	30 000	250 000	250 000
vinyl chloride	75-01-4	2	2	0.95	2	0.95	2	45	45
VPHs ⁷	NA	200	200	200	200	200	200	200	200
warfarin	81-81-2	9	9	4.5	9	4.5	9	70	70
zineb	12122-67-7	1 500	1 500	800	1 500	800	1 500	10 000	10 000

Notes

- All values in µg/g unless otherwise stated.
- NA – Not Applicable. No CAS number exists for the substance.
- HEPHs – Heavy Extractable Petroleum Hydrocarbons in soil is the sum of extractable petroleum hydrocarbons with a carbon range from 19 to 32 obtained by the approved methods minus the sum of benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene, and pyrene, where approved methods are specified by a director's protocol.
- LEPHs – Light Extractable Petroleum Hydrocarbons in soil is the sum of extractable petroleum hydrocarbons with a carbon range from 10 to 19 obtained by the approved methods minus the sum of naphthalene and phenanthrene, where approved methods are specified by a director's protocol.
- The presence of nonaqueous phase liquids as determined in accordance with a director's protocol.
- The presence of odorous substances as determined in accordance with a director's protocol.
- VPHs – Volatile Petroleum Hydrocarbons in soil includes the sum of volatile hydrocarbons with a carbon range from 6 to 10 obtained by approved methods minus the sum of benzene, ethylbenzene, styrene, toluene and xylenes, where approved methods are specified by a director's protocol.

SCHEDULE 3.2
GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life ² (AW)	Irrigation ² (IW)	Livestock ² (LW)	Drinking Water ³ (DW)
acenaphthene	83-32-9	60			250
acephate	30560-19-1				15
acetic acid, 2-methyl-4-chlorophenoxy-[MCPA]	94-74-6	26 ⁴ , 42 ⁵	0.025	25	100
acetochlor	34256-82-1				80
acetone	67-64-1				3 500
acetophenone	98-86-2				400
acridine	260-94-6	0.5			
acrolein	107-02-8	10		3	3
acrylamide	79-06-1				0.1
acrylic acid	79-10-7				2 000
acrylonitrile	107-13-1				5
adipic acid	124-04-9				8 000
alachlor	15972-60-8				3
aldicarb	116-06-3	10 ⁴ , 1.5 ⁵	54.9 ⁶ , 67.5 ⁷	11	4
aldicarb sulfone	1646-88-4				4
aldrin	309-00-2	0.04 ⁸		0.7 ⁸	0.009
allyl alcohol	107-18-6				20
allyl chloride	107-05-1				7.5
aluminum	7429-90-5		5 000	5 000	9 500
ametryn	834-12-8				35
aminobiphenyl, 4-	92-67-1				0.0075
aminophenol, 3-	591-27-5				300
aminophenol, 4-	123-30-8				80
amitraz	33089-61-1				10

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
ammonia, total (as N)	7664-41-7	1 310 @ pH ≥ 8.5 ^{4,9} 3 700 @ pH 8.0 – < 8.5 ^{4,9} 11 300 @ pH 7.5 – < 8.0 ^{4,9} 18 500 @ pH 7.0 – < 7.5 ^{4,9} 18 400 @ pH < 7.0 ^{4,9} 2 300 @ pH ≥ 8.5 ^{5,10} 6 850 @ pH 8.0 – < 8.5 ^{5,10} 20 000 @ pH 7.5 – < 8.0 ^{5,10} 64 000 @ pH 7.0 – < 7.5 ^{5,10} 200 000 @ pH < 7.0 ^{5,10}			
aniline	62-53-3	20			30
anthracene	120-12-7	1			1000
anthraquinone, 9,10-	84-65-1				4
antimony	7440-36-0	90 ⁴ , 2 500 ⁵			6
aramite	140-57-8				6
arsenic	7440-38-2	50 ⁴ , 125 ⁵	100	25	10
asbestos	1332-21-4				7 m.f./L ¹¹
asulam	3337-71-1				200
atrazine	1912-24-9	20 ⁴ , 100 ⁵	10	60	5
auramine	492-80-8				0.2
azinphos-methyl	86-50-0			20	20
azobenzene	103-33-3				1.5
azodicarbonamide	123-77-3				4 000
barium	7440-39-3	10 000 ⁴ , 5 000 ⁵			1 000
benfluralin	1861-40-1				1 000
benzoyl	17804-35-2				200
bensulfuron-methyl	83055-99-6				800
bentazon	25057-89-0				100
benz(a)anthracene	56-55-3	1			0.07

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
benzene	71-43-2	400 ⁴ , 1 000 ⁵			5
benzidine	92-87-5				0.1
benzo(a)pyrene	50-32-8	0.1			0.01
benzo(b+)fluoranthenes	205-99-2 & 205-82-3				0.07
benzoic acid	65-85-0				15 000
benzotrichloride	98-07-7				0.5
benzyl alcohol	100-51-6				400
benzyl chloride	100-44-7				0.9
beryllium	7440-41-7	1.5 ⁴ , 1 000 ⁵	100	100	8
bifenox	42576-02-3				35
biphenyl, 1,1'-	92-52-4				2 000
bis(2-chloro-1-methylethyl) ether	108-60-1				150
bis(2-chloroethoxy) methane	111-91-1				10
bis(2-chloroethyl) ether	111-44-4				0.15
bis(2-ethylhexyl) adipate	103-23-1				150
bis(2-ethylhexyl) phthalate [DEHP]	117-81-7	160			10
bisphenol A	80-05-7				200
boron	7440-42-8	12 000	500 – 6 000 ²	5 000	5 000
bromacil	314-40-9	50	0.2 ¹³ , 0.6 ¹⁴	1 100	
bromate	15541-45-4				10
bromo-2-chloroethane, 1-	107-04-0				1
bromobenzene	108-86-1				30
bromodichloromethane [BDCM]	75-27-4			100	100 ¹⁵
bromoform	75-25-2			100	100 ¹⁵
bromomethane	74-83-9				5.5
bromophos	2104-96-3				20
bromoxynil	1689-84-5	50	0.35 ⁷	11	5

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
butadiene, 1,3-	106-99-0				1
butanoic acid, 4-(4-chloro-2-methylphenoxy)- [MCPB]	94-81-5				40
butanol, 2-	78-92-2				8 000
butanol, n-	71-36-3				400
butoxy ethanol, 2-	111-76-2				400
butyl benzyl phthalate	85-68-7				80
butyl phthalyl butyl glycolate	85-70-1				4 000
butylate	2008-41-5				200
butylated hydroxytoluene [BHT]	128-37-0				45
butylbenzene, n-	104-51-8				200
butylbenzene, sec-	135-98-8				400
butylbenzene, tert-	98-06-6				400
cacodylic acid	75-60-5				80
cadmium	7440-43-9	0.5 @ H < 30 ^{4,16} 1.5 @ H 30 – < 90 ^{4,16} 2.5 @ H 90 – < 150 ^{4,16} 3.5 @ H 150 – < 210 ^{4,16} 4 @ H ≥ 210 ^{4,16} 15 ⁵	5	80	5
calcium	7440-70-2			1 000 mg/L	
caprolactam	105-60-2				2 000
captafol	2425-06-1				1
captan	133-06-2	15		10	70
carbaryl	63-25-2	2 ⁴ , 3 ⁵		1 100	90
carbofuran	1563-66-2	18		45	90
carbon disulfide	75-15-0				400
carbon tetrachloride	56-23-5	130		5	2
carbosulfan	55285-14-8				40

SCHEDULE 3.2
GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
carboxin	5234-68-4				400
catechol	120-80-9	2 000			
chloramben	133-90-4				60
chloranil	118-75-2				0.4
chlordane (cis + trans)	5103-71-9 & 5103-74-2	0.06		7	0.45
chlordane	143-50-0				0.015
chlorfenvinphos	470-90-6				3
chloride ion	16887-00-6	1 500 mg/L ⁴	100 mg/L ¹⁷	600 mg/L	250 mg/L
chlorimuron, ethyl-	90982-32-4				80
chlorine (Cl ₂)	7782-50-5	20 ⁴ , 30 ⁵	1 000		
chloro-2-methylaniline, 4-	95-69-2				1.5
chloroacetaldehyde, 2-	107-20-0				0.6
chloroaniline, p-	106-47-8				0.8
chlorobenzene	108-90-7	13 ⁴ , 250 ⁵			80
chlorobenzilate	510-15-6				1.5
chlorobenzoic acid, 4-	74-11-3				100
chlorobenzotrifluoride, 4-	5216-25-1				0.05
chlorobenzotrifluoride, 4-	98-56-6				10
chlorobutane, 1-	109-69-3				150
chloroethanol, 2-	107-07-3				80
chloroform	67-66-3	20		100	100 ¹⁵
chloronaphthalene, 2-	91-58-7				300
chloronitrobenzene, 2-	88-73-3				0.5
chloronitrobenzene, 4-	100-00-5				4
chlorophenol, 2-	95-57-8	19.5 – 2 600 ¹⁸		0.1 ¹⁹	45
chlorophenol, 3-	108-43-0	17 – 2 300 ¹⁸		0.1 ¹⁹	
chlorophenol, 4-	106-48-9	8.5 – 1 180 ¹⁸		0.1 ¹⁹	

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life ² (AW)	Irrigation ² (IW)	Livestock ² (LW)	Drinking Water ³ (DW)
chloroprene	126-99-8				80
chlorothalonil	1897-45-6	2 ¹ , 4 ⁵	5.8	170	50
chlorotoluene, 2-	95-49-8				80
chlorotoluene, 4-	106-43-4				80
chlorpropham	101-21-3				800
chlorpyrifos	2921-88-2	0.02		24	90
chlorpyrifos-methyl	5598-13-0				40
chlorsulfuron	64902-72-3				200
chlorthal-dimethyl	1861-32-1				40
chlorthiophos	60238-56-4				3
chromium, hexavalent	18540-29-9	10 ⁴ , 15 ⁵	8	50	50
chromium, trivalent	16065-83-1	90 ⁴ , 560 ⁵	5	50	6 000
chrysene	218-01-9	1			7
clofentazine	74115-24-5				50
cobalt	7440-48-4	40	50	1 000	1
copper	7440-50-8	20 @ H < 50 ^{4,16} 30 @ H = 50 - < 75 ^{4,16} 40 @ H = 75 - < 100 ^{4,16} 50 @ H = 100 - < 125 ^{4,16} 60 @ H = 125 - < 150 ^{4,16} 70 @ H = 150 - < 175 ^{4,16} 80 @ H = 175 - < 200 ^{4,16} 90 @ H > 200 ^{4,16} 20 ⁵	200	300	1 500
crotonaldehyde, trans-	123-73-9				5
cyanazine	21725-46-2	20	0.5	10	0.2
cyanide	57-12-5	50 ⁴ , 10 ⁵			200
cyanogen	460-19-5				4

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3				7
cyclohexanone	108-94-1				20 000
cyclohexene	110-83-8				20
cyclohexylamine	108-91-8				800
cyfluthrin	68359-37-5				100
cyhalothrin	68085-85-8				20
cypmethrin	52315-07-8				40
cyromazine	66215-27-8				30
dalapon	75-99-0				100
daminozide	1596-84-5				8.5
deltamethrin	52918-63-5	0.1		2.5	
demeton	8065-48-3				0.15
diallate	2303-16-4				2.5
diaminotoluene, 2,5-	95-70-5				1
diazinon	333-41-5	0.03		14	20
dibenz(a,h)anthracene	53-70-3				0.01
dibenzofuran	132-64-9				4
dibenzothiophene	132-65-0				40
dibromo-3-chloropropane, 1,2-	96-12-8				0.5
dibromobenzene, 1,3-	108-36-1				1.5
dibromobenzene, 1,4-	106-37-6				40
dibromochloromethane [DBCM]	124-48-1			100	100 ¹⁵
dibromoethane, 1,2-	106-93-4				0.5
dibutyl phthalate [DBP]	84-74-2	190			400
dibutyltin	14488-53-0	0.8			
dicamba	1918-00-9	100	0.1	122	120
dichlorobenzene, 1,2-	95-50-1	7 ⁴ , 420 ⁵			200

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
dichlorobenzene, 1,3-	541-73-1	1 500			
dichlorobenzene, 1,4-	106-46-7	260			5
dichlorobenzidine, 3,3'-	91-94-1				0.35
dichlorodifluoromethane	75-71-8				800
dichlorodiphenyl sulfone, 4,4'-	80-07-9				3
dichlorodiphenyltrichloroethane, total [DDT] ²⁰	NA ²¹	0.01		30	0.45
dichloroethane, 1,1-	75-34-3				30
dichloroethane, 1,2-	107-06-2	1 000		5	5
dichloroethylene, 1,1-	75-35-4				14
dichloroethylene, 1,2-cis-	156-59-2				8
dichloroethylene, 1,2-trans-	156-60-5				80
dichloromethane	75-09-2	980		50	50
dichlorophenol, 2,3-	576-24-9	5.5 – 760 ¹⁸		0.3 ²²	
dichlorophenol, 2,4-	120-83-2	3 – 400 ¹⁸		0.3 ²²	900
dichlorophenol, 2,5-	583-78-8	2.5 – 340 ¹⁸		0.3 ²²	
dichlorophenol, 2,6-	87-65-0	10 – 1 360 ¹⁸		0.3 ²²	
dichlorophenol, 3,4-	95-77-2	3 – 400 ¹⁸		0.3 ²²	
dichlorophenol, 3,5-	591-35-5	2.5 – 300 ¹⁸		0.3 ²²	
dichlorophenoxyacetic acid, 2,4-[2,4-D]	94-75-7	40		100	100
dichlorophenoxy(2,4-)butyric acid, 4-[2,4-DB]	94-82-6				30
dichloropropane, 1,2-	78-87-5				4.5
dichloropropane, 1,3-	142-28-9				80
dichloropropanol, 2,3-	616-23-9				10
dichloropropene, 1,3- (cis + trans)	542-75-6				1.5
dichlorvos	62-73-7				0.55
diclofop-methyl	51338-27-3	61	0.18	9	9

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
dicrotophos	141-66-2				0.4
dicyclopentadiene	77-73-6				300
dieldrin	60-57-1	0.04 ⁸		0.7	0.01
diethanolamine	111-42-2				8
diethyl ether	60-29-7				800
diethyl phthalate	84-66-2				3 000
diethylthiocarbamate	392-74-5				0.6
diethylene glycol monobutyl ether	112-34-5				100
diethylene glycol monoethyl ether	111-90-0				250
diethylformamide	617-84-5				4
di-fluorbenzuron	35367-38-5				80
diisobutylene	25167-70-8				40
diisopropanolamine [DIPA] ^{2,3}	110-97-4	15 000	39 000	38 000	3 500
dimethipin	55290-64-7				80
dimethoate	60-51-5	62		3	20
dimethoxybenzidine, 3,3'-	119-90-4				0.1
dimethyl methylphosphonate	756-79-6				90
dimethylaminoazobenzene, 4- [DAB]	60-11-7				0.035
dimethylamine, 2,4-	95-68-1				0.8
dimethylamine, N,N- [DMA]	121-69-7				8
dimethylbenz(a)anthracene, 7,12-	57-97-6				0.02
dimethylbenzidine, 3,3'-	119-93-7				0.015
dimethylformamide	68-12-2				400
dimethylhydrazine, 1,1-	57-14-7				0.4
dimethylphenol, 2,4-	105-67-9				80
dimethylphenol, 2,6-	576-26-1				2.5
dimethylphenol, 3,4-	95-65-8				4

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
dimethylterephthalate	120-61-6				400
dinitrobenzene, 1,2-	528-29-0				0.4
dinitrobenzene, 1,3-	99-65-0				0.4
dinitrobenzene, 1,4-	100-25-4				0.4
dinitro-o-cyclohexyl phenol, 4,6-	131-89-5				8
dinitrophenol, 2,4-	51-28-5	2 000			8
dinitrotoluene, 2,4-	121-14-2				0.5
dinitrotoluene, 2,6-	606-20-2				0.1
dinitrotoluene, 2-amino-4,6-	35572-78-2				8
dinitrotoluene, 4-amino-2,6-	19406-51-0				8
dinoseb	88-85-7	0.5	16 ¹⁷ , 46 ²⁴ , 93 ¹⁴	150 ²⁵	4
dioxane, 1,4-	123-91-1				1.5
diphenamid	957-51-7				100
diphenyl sulfone	127-63-9				3
diphenyl-1,4-benzenediamine, N,N'-	74-31-7				1
diphenylamine	122-39-4				100
diquat (as dibromide)	85-00-7			70	70
Direct Black 38	1937-37-7				0.02
Direct Brown 95	16071-86-6				0.025
disulfoton	298-04-4				0.15
diuron	330-54-1			150	150
dodine	2439-10-3				15
endosulfan I + II	115-29-7	0.01 ^{5,8} , 0.015 ⁶			25
endothall	145-73-3				80
endrin	72-20-8	0.023		0.2	1
EPHW10-19 ^{26,27}	NA ²¹	5 000	5 000	5 000	5 000
EPTC	759-94-4				100

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
ethanol, 2-(2-methoxyethoxy)-	111-77-3				150
ethephon	16672-87-0				20
ethinylestradiol, 17-alpha [EE2] ²⁸	57-63-6	0.005			
ethion	563-12-2				2
ethoxyethanol, 2-	110-80-5				350
ethoxyethanol acetate, 2-	111-15-9				400
ethyl acetate	141-78-6				3 500
ethyl acrylate	140-88-5				20
ethyl-p-nitrophenyl benzenethionophosphonate [EPN]	2104-64-5				0.04
ethylbenzene	100-41-4	2 000 ⁴ , 2 500 ⁵			140
ethylene cyanohydrin	109-78-4				300
ethylene glycol	107-21-1	1 920 mg/L			8 000
ethylene thiourea	96-45-7				0.3
ethylenediamine	107-15-3				350
ethylenimine	151-56-4				0.1
fenamiphos	22224-92-6				1
fenpropathrin	39515-41-8				100
fenvalelate	51630-58-1				100
fluometuron	2164-17-2				50
fluoranthene	206-44-0	2			150
fluorene	86-73-7	120			150
fluoride	16984-48-8	2 000 @ H < 50 ^{4,16} 3 000 @ H ≥ 50 ^{4,16} 15 000 ⁵	1 000	1 000 ²⁹	1 500
fluridone	59756-60-4				300
flurprimidol	56425-91-3				80
flusilazole	85509-19-9				3

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
flutolamil	66332-96-5				2.50
fluvalinate	69409-94-5				40
folpet	133-07-3				45
fomesafen	72178-02-0				0.8
fonofos	944-22-9				8
formaldehyde	50-00-0				800
formic acid	64-18-6				3 500
fosetyl	15845-66-6				10 000
furan	110-00-9				4
furazolidone	67-45-8				0.04
furfural	98-01-1				10
furmecyclox	60568-05-0				5
furothiazole	531-82-8				0.1
glufosinate	53369-07-6				1.5
glycidaldehyde	765-34-4				1.5
glyphosate	1071-83-6	5 000		280	280
guanidine	113-00-8				40
haloxyfop, methyl	69806-40-2				0.2
heptachlor	76-44-8	0.1 ³⁰		3 ³⁰	0.035
heptachlor epoxide	1024-57-3	0.1 ³⁰		3 ³⁰	0.015
hexabromobiphenyl, 2,2',4,4',5,5'-	59536-65-1				0.005
hexachlorobenzene	118-74-1			0.5	0.1
hexachlorobutadiene	87-68-3	1.5			2
hexachlorocyclohexane, alpha-	319-84-6	0.1 ³¹		4 ³¹	0.025
hexachlorocyclohexane, beta-	319-85-7	0.1 ³¹		4 ³¹	0.085
hexachlorocyclohexane, gamma-	58-89-9	0.1 ³¹		4 ³¹	0.15
hexachlorocyclopentadiene	77-47-4				25

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life ² (AW)	Irrigation ² (IW)	Livestock ² (LW)	Drinking Water ³ (DW)
hexachloroethane	67-72-1				3
hexachlorophene	70-30-4				1
hexahydro-1,3,5-trinitro-1,3,5-triazine [RDX]	121-82-4				1.5
hexamethylphosphoramide	680-31-9				1.5
hexanone, 2-	591-78-6				20
hexazinone	51235-04-2				150
hexythiazox	78587-05-0				100
hydramethylnon	67485-29-4				1
hydrazine	302-01-2				0.05
hydroquinone	123-31-9	45			2.5
imazalil	35554-44-0				50
imazaquin	81335-37-7				1 000
imazethapyr	81335-77-5				1 000
iprodione	36734-19-7				150
iron ^{32,33}	7439-89-6		5 000		6 500
isobutanol	78-83-1				1 000
isophorone	78-59-1				150
isopropalin	33820-53-0				60
isopropanol	67-63-0				8 000
isopropylbenzene	98-82-8				400
isoxaben	82558-50-7				200
lactofen	77501-63-4				8
lead	7439-92-1	40 @ H < 50 ^{4,16} 50 @ H = 50 - < 100 ^{4,16} 60 @ H = 100 - < 200 ^{4,16} 110 @ H = 200 - < 300 ^{4,16} 160 @ H ≥ 300 ^{4,16} 20 ⁵	200	100	10

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
LEPH _w ^{3,4}	NA ²¹	500			
linuron	330-55-2	70	0.07 ¹³ , 3.3 ¹⁴		8
lithium	7439-93-2		2.500 ¹⁷	5 000	8
malathion	121-75-5	1		190	190
malonitrile	109-77-3				0.4
mancozeb	8018-01-7				100
maneb	12427-38-2				20
manganese ^{35,36}	7439-96-5		200		1 500
mecoprop [MCPP]	93-65-2				4
mercury	7439-97-6	0.25	1	2	1
merphos	150-50-5				0.1
metalaxyl	57837-19-1				250
methacrylonitrile	126-98-7				5
methamidophos	10265-92-6				0.2
methanol	67-56-1				8 000
methidathion	950-37-8				4
methomyl	16752-77-5				100
methoxy-5-nitroamlime, 2-	99-59-2				3
methoxychlor	72-43-5			900	20
methoxyethanol, 2-	109-86-4				20
methoxyethanol acetate, 2-	110-49-6				30
methyl acetate	79-20-9				4 000
methyl ethyl ketone [MEK]	78-93-3				2 500
methyl hydrazine	60-34-4				4
methyl mercury	22967-92-6	0.04			0.4
methyl methacrylate	80-62-6				5 500
methyl tert-butyl ether [MTBE]	1634-04-4	34 000 ⁴ , 4 400 ⁵		11 000	95

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
methyl-5-nitroaniline, 2-	99-55-8				15
methylaniline, 2-	95-53-4				1
methylaniline, 4-	106-49-0				5
methylaniline, N-	100-61-8				8
methylcholanthrene, 3-	56-49-5				0.02
methylene-bis(2-chloroaniline), 4,4'-	101-14-4				0.5
methylene-bis(N,N-dimethyl) aniline, 4,4'-	101-61-1				3.5
methylenebisbenzenamine, 4,4'-	101-77-9				0.1
methylnaphthalene, 1-	90-12-0				5.5
methylnaphthalene, 2-	91-57-6				15
methylphenol, 2-	95-48-7	2 500			200
methylphenol, 3-	108-39-4	800			200
methylphenol, 4-	106-44-5	700			400
methylstyrene, 4-chloro-3-	59-50-7				400
metolachlor	98-83-9				300
metribuzin	51218-45-2	80	28	50	50
metsulfuron-methyl	21087-64-9	10	0.5	80	80
mirex	74223-64-6				1 000
molinate	2385-85-5				0.0085
molybdenum	2212-67-1				8
monochloramine	7439-98-7	10 000	10 – 30 ³⁷	50	250
monochloroacetic acid	10599-90-3	5			3 000
monomethylarsonic acid	79-11-8				80 ³⁸
myclobutamil	124-58-3				40
naled	88671-89-0				100
naphthalene	300-76-5				8
	91-20-3	10			80

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
naphthylamine, 2-	91-59-8				0.085
napropamide	15299-99-7				400
nickel	7440-02-0	250 @ H < 60 ^{4,16} 650 @ H 60 - < 120 ^{4,16} 1 100 @ H 120 - < 180 ^{4,16} 1 500 @ H ≥ 180 ^{4,16} 83 ⁵	200	1 000	80
nitrate (as N)	14797-55-8	400 mg/L		100 mg/L	10 mg/L
nitrate and nitrite (as N)	NA ²¹	400 mg/L		100 mg/L	10 mg/L
nitrotriacetic acid [NTA]	139-13-9				400
nitrite (as N)	14797-65-0	200 (CI < 2 mg/L) 400 (CI 2 - < 4 mg/L) 600 (CI 4 - < 6 mg/L) 800 (CI 6 - < 8 mg/L) 1 000 (CI 8 - < 10 mg/L) 2 000 (CI ≥ 10 mg/L)		10 000	1 000
nitroaniline, 2-	88-74-4				40
nitroaniline, 4-	100-01-6				8
nitrobenzene	98-95-3				8
nitrofurazone	59-87-0				0.1
nitroglycerin	55-63-0				0.4
nitroguanidine	556-88-7				400
nitropyrene, 4-	57835-92-4				0.15
nitrosodiethanolamine, N-	1116-54-7				0.055
nitrosodiethylamine, N- [NDEA]	55-18-5				0.005
nitrosodimethylamine, N- [NDMA]	62-75-9				0.04
nitroso-di-N-butylamine, N-	924-16-3				0.03
nitroso-di-N-propylamine, N-	621-64-7				0.02
nitrosodiphenylamine, N-	86-30-6				30
nitrosomethylethylamine, N-	10595-95-6				0.007

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
nitrosomorpholine, N-	59-89-2				0.025
nitrosopiperidine, N-	100-75-4				0.015
nitrosopyrrolidine, N-	930-55-2				0.075
nitrotoluene, 2-	88-72-2				0.7
nitrotoluene, 3-	99-08-1				0.4
nitrotoluene, 4-	99-99-0				10
nonane, n-	111-84-2				1
nonaqueous phase liquids ^{26,39}	NA ²¹	not present	not present	not present	not present
nonylphenol and nonylphenol ethoxylates ^{40,41}	84852-15-3	10 ⁴ , 7 ⁵			45
norflurazon	27314-13-2				150
octahydro-1,3,5,7-tetraoxo-1,3,5,7-tetraazocine [HMX]	2691-41-0				200
octamethylpyrophosphoramide [OMPA]	152-16-9				8
octyl phthalate, di-N- [DNOP]	117-84-0				40
oryzalin	19044-88-3				200
oxadiazon	19666-30-9				20
oxamyl	23135-22-0				100
oxyfluorfen	42874-03-3				10
paclobutrazol	76738-62-0				50
paraquat (as dichloride)	1910-42-5			10	10
parathion	56-38-2			50	25
parathion, methyl	298-00-0				1
pebulate	1114-71-2				200
pendimethalin	40487-42-1				150
pentachlorobenzene, 1,2,3,4,5-	608-93-5	60			3
pentachloroethane	76-01-7				1.5
pentachloronitrobenzene [PCNB]	82-68-8				0.6

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
pentachlorophenol [PCP]	87-86-5	1 – 110 ¹⁸		30	60
pentaerythritol tetranitrate [PETN]	78-11-5				8
perchlorate	14797-73-0				3
perfluorobutane sulfonate [PFBS] ⁴²	375-73-5				80
perfluorooctane sulfonate [PFOS] ⁴²	1763-23-1	60			0.3
perfluorooctanoic acid [PFOA] ⁴²	335-67-1				0.2
permethrin (cis + trans)	52645-53-1	0.04 ⁴ , 0.01 ⁵			450
phenanthrene	85-01-8	3			
phenmedipham	13684-63-4				1 000
phenol	108-95-2	2 000			1 000
phenol, 2-methyl-4,6-dinitro [DNOC]	534-52-1	750			1
phenothiazine	92-84-2				2
phenylenediamine, m- [MPD]	108-45-2				25
phenylenediamine, o- [OPD]	95-54-5				3.5
phenylenediamine, p- [PPD]	106-50-3				750
phenylphenol, 2-	90-43-7				80
phorate	298-02-2			2	2
phosmet	732-11-6				80
phthalic acid, p-	100-21-0				4 000
picloram	1918-02-1	290	0.5	190	190
picramic acid	96-91-3				0.4
picric acid	88-89-1				3.5
pirimiphos, methyl	29232-93-7				40
prochloraz	67747-09-5				1
profluralin	26399-36-0				25
prometon	1610-18-0				60
prometryn	7287-19-6				15

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
propachlor	1918-16-7				50
propanil	709-98-8				20
propargite	2312-35-8				80
propargyl alcohol	107-19-7				8
propazine	139-40-2				80
propham	122-42-9				80
propiconazole	60207-90-1				50
propylbenzene, 1-	103-65-1				400
propylene glycol, 1,2-	57-55-6	5 000 mg/L			80 mg/L
propylene glycol monomethyl ether	107-98-2				3 000
propylene oxide	75-56-9				0.65
propylamide	23950-58-5				300
pyrene	129-00-0	0.2			100
pyridine	110-86-1				4
quinalphos	13593-03-8				2
quinoline	91-22-5	34			0.05
quizalofop-ethyl	76578-14-8				35
resmethrin	10453-86-8				100
resorcinol	108-46-3	150			4 500
ronnel	299-84-3				200
rotenone	83-79-4				15
salinity ⁴³	NA ²¹	15 ⁴ 10 if natural salinity is > 1.5 – < 3.5 ⁵ 20 if natural salinity is 3.5 – < 13.5 ⁵ 40 if natural salinity is ≥ 13.5 ⁵			

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
selenious acid	7783-00-8				20
selenium	7782-49-2	20	20 ⁴⁴ , 50 ⁴⁵	30	10
sethoxymdim	74051-80-2				350
silver	7440-22-4	0.5 @ H < 100 ^{4,16} 15 @ H > 100 ^{4,16} 15 ⁵			20
silvex	93-72-1				30
simazine	122-34-9	100	0.5	10	10
sodium ion	17341-25-2				200 mg/L
strontium	7440-24-6				2 500
strychnine	57-24-9				1
styrene	100-42-5	720			800
styrene-acrylonitrile [SAN] trimer (all isomers)	NA ³¹				10
sulfate	14808-79-8	1 280 mg/L @ H ≤ 30 ¹⁶ 2 180 mg/L @ H 31 – 75 ¹⁶ 3 090 mg/L @ H 76 – 180 ¹⁶ 4 290 mg/L @ H > 180 ¹⁶		1 000 mg/L	500 mg/L
sulfide, un-ionized (as H ₂ S)	7783-06-4	20			50
sulfolane ²³	126-33-0	500 000	8 400	14 000	90
sulfotep	3689-24-5				2
TCMTB	21564-17-0				100
tebuthiuron	34014-18-1	16	0.25 ¹⁴	130	300
temephos	3383-96-8			280	80
terbacil	5902-51-2				50
terbufos	13071-79-9			1	1
terbutryn	886-50-0				4
tetrachlorobenzene, 1,2,3,4-	634-66-2	18			
tetrachlorobenzene, 1,2,4,5-	95-94-3				1

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life² (AW)	Irrigation² (IW)	Livestock² (LW)	Drinking Water³ (DW)
tetrachloroethane, 1,1,1,2-	630-20-6				6
tetrachloroethane, 1,1,2,2-	79-34-5				0.8
tetrachloroethylene	127-18-4	1 100			30
tetrachlorophenol, 2,3,4,5-	4901-51-3	2 - 260 ¹⁸		1 ⁴⁶	
tetrachlorophenol, 2,3,4,6-	58-90-2	5.5 - 720 ¹⁸		1 ⁴⁶	100
tetrachlorophenol, 2,3,5,6-	935-95-5	2.5 - 340 ¹⁸		1 ⁴⁶	
tetrachlorovinphos	961-11-5				6.5
tetraethyl lead	78-00-2				0.001
tetrahydrofuran	109-99-9				3 500
tetryl	479-45-8				8
thallium	7440-28-0	3			
thifensulfuron-methyl	79277-27-3				50
thiobencarb	28249-77-6				40
thiocyanate	302-04-5				200
thiodiglycol	111-48-8				300
thiofanox	39196-18-4				1
thiophanate, methyl	23564-05-8				300
thiophenol	108-98-5				4
thiram	137-26-8				20
tin	7440-31-5				2 500
titanium	7440-32-6	1 000			
toluene	108-88-3	5 ⁴ , 2 000 ⁵			60
toxaphene (all isomers)	8001-35-2	0.08		5	0.15
tralomethrin	66841-25-6				30
triadimefon	43121-43-3				100
triallate	2303-17-5	2.4		230	50
triasulfuron	82097-50-5				40

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life ² (AW)	Irrigation ² (IW)	Livestock ² (LW)	Drinking Water ³ (DW)
tribenuron-methyl	101200-48-0				30
tribromobenzene, 1,2,4-	615-54-3				20
tribufos	78-48-8				0.1
tributyl phosphate	126-73-8				15
tributyltin	36643-28-4	0.08 ⁴ , 0.05 ⁵		250	
trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1				100,000
trichloroaniline, 2,4,6-	634-93-5				0.1
trichlorobenzene, 1,2,3-	87-61-6	80			3
trichlorobenzene, 1,2,4-	120-82-1	240 ⁴ , 54 ⁵			5.5
trichloroethane, 1,1,1-	71-55-6				8 000
trichloroethane, 1,1,2-	79-00-5				3
trichloroethylene	79-01-6	200		50	5
trichlorofluoromethane	75-69-4				1 000
trichlorophenol, 2,3,4-	15950-66-0	2.5 – 320 ¹⁸		2 ⁴⁷	
trichlorophenol, 2,3,5-	933-78-8	2.5 – 340 ¹⁸		2 ⁴⁷	
trichlorophenol, 2,3,6-	933-75-5	8 – 1 080 ¹⁸		2 ⁴⁷	
trichlorophenol, 2,4,5-	95-95-4	2.5 – 300 ¹⁸		2 ⁴⁷	400
trichlorophenol, 2,4,6-	88-06-2	6 – 800 ¹⁸		2 ⁴⁷	5
trichlorophenol, 3,4,5-	609-19-8	1 – 128 ¹⁸		2 ⁴⁷	
trichlorophenoxy acetic acid, 2,4,5-[2,4,5-T]	93-76-5			20	40
trichloropropane, 1,1,2-	598-77-6				20
trichloropropane, 1,2,3-	96-18-4				0.5
trichloropropene, 1,2,3-	96-19-5				10
tricresyl phosphate [TCP]	1330-78-5				80
tricyclohexyltin	NA ²¹			250	
tridiphane	58138-08-2				10
triethylene glycol	112-27-6				8 000

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life ² (AW)	Irrigation ² (IW)	Livestock ² (LW)	Drinking Water ³ (DW)
triethyltin	NA ²¹	4			
trifluralin	1582-09-8	2		45	45
trimethyl phosphate	512-56-1				8
trimethylbenzene, 1,3,5-	108-67-8				40
trinitrobenzene, 1,3,5-	99-35-4				100
trinitrotoluene, 2,4,6-	118-96-7				2
triphenyltin	668-34-8	0.2		800	
tris(1,3-dichloro-2-propyl)phosphate [TDCPP]	13674-87-8				80
tris(1-chloro-2-propyl)phosphate [TCPP]	13674-84-5				40
tris(2,3-dibromopropyl)phosphate	126-72-7				0.07
tris(2-chloroethyl)phosphate [TCEP]	115-96-8				8
tris(2-ethylhexyl)phosphate	78-42-2				50
tungsten	7440-33-7				3
uranium	7440-61-1	85	10	200	20
vanadium	7440-62-2		100	100	20
vermolate	1929-77-7				4
VHW6-10 ^{26,48}	NA ²¹	15 000	15 000	15 000	15 000
vinclazolin	50471-44-8				100
vinyl acetate	108-05-4				4 000
vinyl chloride	75-01-4				2
VPHW ⁴⁹	NA ²¹	1 500			
warfarin	81-81-2				1
xylenes, total	1330-20-7	300			90

SCHEDULE 3.2

GENERIC NUMERICAL WATER STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service # (CAS)	Aquatic Life ² (AW)	Irrigation ² (IW)	Livestock ² (LW)	Drinking Water ³ (DW)
zinc	7440-66-6	75 @ H < 90 ^{4,16} 150 @ H = 90 - < 100 ^{4,16} 900 @ H = 100 - < 200 ^{4,16} 1 650 @ H = 200 - < 300 ^{4,16} 2 400 @ H = 300 - < 400 ^{4,16} 100 ⁵	1 000 @ pH < 6.0 2 000 @ pH 6.0 - < 7.0 5 000 @ pH ≥ 7.0	2 000	3 000
zincb	12122-67-7				200

Notes

- 1 All values are in µg/L unless otherwise stated.
- 2 (a) Aquatic life standards assume minimum 1:10 dilution is available prior to discharge to the aquatic receiving environment. Aquatic life standards are to protect freshwater and marine life unless otherwise indicated.
- 2 (b) Standards for all organic substances are for total substance concentrations. Any water sample to be analyzed for organic substances should not be filtered.
- 2 (c) Standards for surface water samples to be analyzed for heavy metals, metalloids and inorganic ions are total substance concentrations.
- 2 (d) Standards for groundwater samples for heavy metals, metalloids and inorganic ions are for dissolved substance concentrations.
- 2 (e) Standards for irrigation water apply to irrigation of all soil types, unless otherwise indicated.
- 3 Drinking water standards are for unfiltered samples obtained at the point of consumption. Heavy metals, metalloids and inorganic ions are expressed as total substance concentrations unless otherwise indicated.
- 4 Standard to protect freshwater aquatic life. Water is to be considered freshwater if its psu is ≤ 1.5.
- 5 Standard to protect marine and estuarine aquatic life. Water is to be considered marine or estuarine if its psu is > 1.5.
- 6 Standard to protect crops other than legumes.
- 7 Standard to protect legumes.
- 8 Standard is applicable to the sum of the concentrations of aldrin and dieldrin.
- 9 Standard varies with pH and temperature. 10 °C or less is assumed. If the water temperature is greater, modify the standard in accordance with a director's protocol.
- 10 Standard varies with pH, temperature and salinity. 10 °C or less and 10 practical salinity units (psu) are assumed. For other conditions, modify the standard in accordance with a director's protocol.
- 11 Standard is expressed in million fibres > 10 µm/L (m.f./L).
- 12 Standard varies depending on crop as follows:

Crop	Standards (µg/L)
blackberry	500
barley, cherry, cowpea, garlic, grape, Jerusalem artichoke, kidney bean, lima bean, mung bean, onion, peach, plum, sesame, strawberry, sunflower, sweet potato, wheat	1 000
carrot, cucumber, pea, potato, radish, red pepper	2 000
artichoke, bluegrass (Kentucky), cabbage, celery, clover, corn, lettuce, muskmelon, mustard, oat, squash, tobacco, turnip	4 000
alfalfa, asparagus, parsley, purple vetch, red beet, sorghum, sugar beet, tomato	6 000

- 13 Standard to protect crops other than cereals, tame hays and pasture.
- 14 Standard to protect cereals, tame hays and pasture crops.
- 15 Standard is specific for total trihalomethanes. Sum of the concentrations of bromodichloromethane (BDCM), dibromochloromethane (DBCM), bromoform (tribromomethane), and chloroform (trichloromethane) must not exceed the standard specified.
- 16 H mean water hardness in mg/L CaCO₃.
- 17 Standard to protect all types of crops.
- 18 Standard varies with pH, temperature and substance isomer, as specified in a director's protocol.
- 19 Standard is applicable to the sum of concentrations of all chlorophenol isomers.
- 20 Standards are for the sum of DDT (2,4' + 4,4' isomers), DDD (2,4' + 4,4' isomers), and DDE (2,4' + 4,4' isomers).
- 21 NA – not applicable. No CAS number exists for the substance.
- 22 Standard is applicable to the sum of concentrations of all dichlorophenol isomers.
- 23 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as item F2, F3, F7, or F10.
- 24 Standard to protect cereal crops and hay.
- 25 Standard to protect lactating dairy animals.
- 26 Standard is applicable at all sites, irrespective of water use. See section 11 (1) (b.1) of the regulation.
- 27 EPHw 10-19 – Extractable Petroleum Hydrocarbons (nC10-nC19) in water includes all the extractable petroleum hydrocarbons with a carbon range from 10 to 19 obtained from the approved methods, where approved methods are specified by a director's protocol.
- 28 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as item H16 or H17.
- 29 Standard varies with type of livestock:

Livestock Type	Standard (µg/L)
Dairy cows, breeding stock, long-lived animals	1000
Livestock provided fluoride by bone meal or mineral additives	1000
All other types of livestock	2000

- 30 Standard is applicable to the sum of the concentrations of heptachlor and heptachlor epoxide.
- 31 Standard is applicable to the sum of the concentrations of all hexachlorocyclohexane isomers.
- 32 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as
- (a) item A6, A7, A8, or A11,
- (b) item C1, C2, C3, C4, or C6,
- (c) item D2, D3, D5 or D6,
- (d) item E4, or
- (e) item H12.
- 33 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as item H9 or H18, but only if the site was used for that purpose or activity in conjunction with, or as a result of, the site also being used for at least one of the purposes or activities set out in Note 43.
- 34 LEPHw – Light Extractable Petroleum Hydrocarbons in water, is the sum of extractable petroleum hydrocarbons with a carbon range from 10 to 19 obtained by the approved methods minus the sum of naphthalene and phenanthrene, where approved methods are specified by a director's protocol.
- 35 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as
- (a) item B1,
- (b) item C1, C3 or C4,
- (c) item D2, D3, D5 or D6,
- (d) item E4, or
- (e) item H12.
- 36 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as item H9 or H18 but only if the site was used for that purpose or activity in conjunction with, or as a result of, the site also being used for at least one of the purposes or activities set out in Note 35.

37 Standard varies with crop, soil drainage and Mo:Cu ratio:

Crop Type	Soil Drainage	Cu:Mo Ratio in Irrigation Water	Molybdenum irrigation watering standard (µg/L)
Forage	Poorly drained	<2:1	10
Forage	Poorly drained	>2:1	20
Forage	Well drained	N/A	20
Non-Forage	N/A	N/A	30
Crop type, soil drainage, and/or Cu:Mo ratio in irrigation water is unknown			

38 Standard is specific for total haloacetic acids. Sum of the concentrations of monochloroacetic acid (MCA), dichloroacetic acid (DCA), trichloroacetic acid (TCA), monobromoacetic acid (MBA) and dibromoacetic acid (DBA) must not exceed the standard specified.

39 The presence of nonaqueous phase liquids as determined in accordance with a director's protocol.

40 Nonylphenol includes related nonylphenolic and octylphenolic compounds, including ethoxylates.

41 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as

(a) item A6, A8, A10 or A12,

(b) item H9, H16 or H17, or

(c) item I2 or I3.

42 Standards apply to a site used for an industrial or commercial purpose or activity set out in Schedule 2 as

(a) item A4,

(b) item C3,

(c) item E11, or

(d) item G1.

43 Standard is for salinity measurements by electrical conductivity or density methods using the Practical Salinity Scale, which closely equates to concentration units of parts per thousand (g/kg or g/L). Salinity measurements using the Practical Salinity Scale may be denoted as practical salinity units (psu).

44 Standard for continuous application on crops.

45 Standard for intermittent application on crops.

46 Standard is applicable to the sum of concentrations of all tetrachlorophenol isomers.

47 Standard is applicable to the sum of concentrations of all trichlorophenol isomers.

48 VHW6-10 – Volatile Hydrocarbons (nC6-nC10) in water are hydrocarbons that elute between n-hexane and n-decane obtained by approved methods, where approved methods are specified by a director's protocol.

49 VPHW – Volatile Petroleum Hydrocarbons in water includes the sum of volatile hydrocarbons with a carbon range from 6 to 10 (VHW6-10) obtained by approved methods minus the sum of benzene, ethylbenzene, styrene, toluene and xylenes, where approved methods are specified by a director's protocol.

SCHEDULE 3.4

GENERIC NUMERICAL SEDIMENT STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service Number (CAS)	Freshwater Sediment² Standard for Sensitive Use	Freshwater Sediment² Standard for Typical Use	Marine and Estuarine Sediment³ Standard for Sensitive Use	Marine and Estuarine Sediment³ Standard for Typical Use
acenaphthene	83-32-9	0.055	0.11	0.055	0.11
acenaphthylene	208-96-8	0.08	0.15	0.079	0.15
anthracene	120-12-7	0.15	0.29	0.15	0.29
arsenic	7440-38-2	11.0	20.0	26.0	50.0
benz(a)anthracene	56-55-3	0.24	0.46	0.43	0.83
benzo(a)pyrene	50-32-8	0.48	0.94	0.47	0.92
cadmium	7440-43-9	2.2	4.2	2.6	5.0
chlordane (cis + trans)	5103-71-9 & 5103-74-2	0.0055	0.011	0.003	0.0057
chromium	7440-47-3	56.0	110.0	99.0	190.0
chrysene	218-01-9	0.53	1.0	0.52	1.0
copper	7440-50-8	120.0	240.0	67.0	130.0
dibenz(a,h)anthracene	53-70-3	0.084	0.16	0.084	0.16
dichlorodiphenyldichloroethane (2,4' + 4,4' isomers) [DDD]	53-19-0	0.0053	0.01	0.0048	0.0094
dichlorodiphenyldichloroethylene (2,4' + 4,4' isomers) [DDE]	3424-82-6 & 72-55-9	0.0042	0.0081	0.23	0.45
dichlorodiphenyltrichloroethane (2,4' + 4,4' isomers) [DDT]	789-02-6 & 50-29-3	0.003	0.0057	0.003	0.0057
dieldrin	60-57-1	0.0041	0.008	0.0027	0.0052
endrin	72-20-8	0.039	0.075	0.039	0.075
fluoranthene	206-44-0	1.5	2.8	0.93	1.8
fluorene	86-73-7	0.089	0.17	0.089	0.17
heptachlor and heptachlor epoxide	76-44-8 & 1024-57-3	0.0017	0.0033	0.0017	0.0033
hexachlorocyclohexane, gamma-	58-89-9	0.00086	0.0017	0.00061	0.0012
lead	7439-92-1	57.0	110.0	69.0	130.0
mercury	7439-97-6	0.3	0.58	0.43	0.84
methylnaphthalene, 2-	91-57-6	0.12	0.24	0.12	0.24
naphthalene	91-20-3	0.24	0.47	0.24	0.47
pentachlorophenol [PCP]	87-86-5	0.4	0.8	0.36	0.69
phenanthrene	85-01-8	0.32	0.62	0.34	0.65

SCHEDULE 3.4

GENERIC NUMERICAL SEDIMENT STANDARDS¹

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5	COLUMN 6
Substance	Chemical Abstract Service Number (CAS)	Freshwater Sediment ² Standard for Sensitive Use	Freshwater Sediment ² Standard for Typical Use	Marine and Estuarine Sediment ³ Standard for Sensitive Use	Marine and Estuarine Sediment ³ Standard for Typical Use
polychlorinated biphenyls, total ⁴ [PCBs]	1336-36-3	0.17	0.33	0.12	0.23
polychlorinated dioxins and furans, total ⁵ [PCDDs and PCDFs, total]	1746-01-6	0.00013	0.00026	0.00013	0.00026
polycyclic aromatic hydrocarbons, total ⁶ [PAHs]	NA ⁷	10.0	20.0	10.0	20.0
pyrene	129-00-0	0.54	1.1	0.87	1.7
zinc	7440-66-6	200.0	380.0	170.0	330.0

Notes

- 1 All values in µg/g dry weight (dwt) unless otherwise stated.
- 2 Standards are specific to the protection of freshwater life.
- 3 Standards are specific to the protection of marine and estuarine aquatic life.
- 4 PCBs, total in sediment includes the sum of Arochlors 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262 and 1268.
- 5 Polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) expressed as 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) toxicity equivalent as specified in a director's protocol.
- 6 PAHs, total in sediment includes:
 acenaphthene,
 acenaphthylene,
 anthracene,
 benz(a)anthracene,
 benzo(a)pyrene,
 chrysene,
 dibenz(a,h)anthracene,
 fluoranthene,
 fluorene,
 methylnaphthalene, 2-
 naphthalene,
 phenanthrene, and
 pyrene.
- 7 NA – not applicable. No CAS number exists for the substance.