

PROVINCE OF BRITISH COLUMBIA

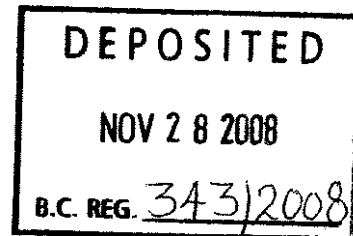
Ministerial Order No.

M 285

REGULATION OF THE MINISTER OF ENVIRONMENT

Environmental Management Act

I, Barry Penner, Minister of Environment, order that, effective January 1, 2009, the Contaminated Sites Regulation, B.C. Reg. 375/96, is amended as set out in the attached appendix.



October 29, 2008

Date

A handwritten signature in black ink, appearing to read "Barry Penner".

Minister of Environment

(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, section 63
Other (specify):- OIC 1480/96; MO 271/2004

October 20, 2008

R/1098/2008/14

APPENDIX

1 Section 1 of the Contaminated Sites Regulation, B.C. Reg. 375/96, is amended

- (a) *in the definition of “environmental media” by striking out “air,” and substituting “air, vapour,”*
- (b) *by adding the following definitions:*
- “**generic numerical vapour standards**” means the concentration in vapour of a substance specified for a particular land use in Schedule 11;
 - “**summary of site condition form**” means the form set out as Schedule 1.1;
 - “**vapour**” means gaseous emissions from soil, sediment or water;
 - “**wildlands land use**” means the use of land for the primary purpose of supporting natural ecosystems, including the use of land for ecological reserves, national or provincial parks, protected wetlands or woodlands, native forests, tundra and alpine meadows, but does not include uses defined as urban park land use. ,
- (c) *in the definition of “numerical standards” by striking out “generic numerical soil standards,” and substituting “generic numerical soil standards, generic numerical vapour standards,”*
- (d) *in paragraph (d) of the definition of “remediation plan” by striking out “or sediment” and substituting “, sediment or vapour”, and*
- (e) *by repealing the definition of “site-specific numerical standard” and substituting the following:*
- “**site-specific numerical standard**” means the concentration of a substance in soil, water, sediment or vapour
 - (a) determined for a particular land, water, sediment or vapour use at a specific site by applying the applicable director’s protocol, and
 - (b) approved by the director; .

2 Section 4 is amended

- (a) *by repealing subsection (1) (f) and substituting the following:*
- (f) the site is the subject of a determination under section 44 of the Act, but only if the person has no reason to believe that, since the determination,
 - (i) in the case of a site determined not to be contaminated, there has been any contamination at the site, and
 - (ii) in the case of a site determined to be contaminated, there has been any new or additional contamination at the site. ,
- (b) *in subsection (3) by striking out “to whom section 40 (7) of the Act applies.” and substituting “to whom section 40 (7) or (8) of the Act applies.”, and*
- (c) *by repealing subsection (9) (a) and (b) and substituting the following:*

- (a) the demolition or dismantling is of a temporary camp or a temporary facility if the camp or facility is associated with the construction of rights of way for exploration for or development of any of the following resources:
 - (i) petroleum;
 - (ii) natural gas;
 - (iii) mineral;
 - (iv) geothermal energy,
- (b) the buildings or structures to be demolished or dismantled are not associated with decommissioning a site, or .

3 Section 7.1 is amended

- (a) by renumbering the section as section 7.1 (1),**
- (b) by striking out** “that is classified under a director’s protocol as a low, moderate, medium or intermediate risk site, or that is not classified under a director’s protocol,”
- (c) in paragraph (d) by striking out** “section 53 (1) of the Act;” **and substituting** “section 53 (1.1) of the Act;”, **and**
- (d) by adding the following subsection:**
 - (2) A summary of site condition must set out the information necessary to complete the summary of site condition form.

4 Sections 9 (20) (d) and 47 (1), (1.3), (2) and (3) are amended by striking out “section 53 (1) of the Act” **and substituting** “section 53 (1.1) of the Act” .

5 Section 11 is amended

- (a) in subsection (1) (a) by striking out** “urban park or residential” **and substituting** “urban park, wildlands or residential”,
- (b) in subsection (1) by adding the following paragraphs:**
 - (a.1) the land use of the site is wildlands land use and
 - (i) the concentration of any substance in the soil at a depth of less than 3 metres is greater than the numerical standards for soil that would apply if the land use of the site were urban park land use, or
 - (ii) the concentration of any substance in the soil at a depth of 3 metres or more is greater than the numerical standards for soil that would apply if the land use of the site were commercial land use;
 - (c.1) the concentration of any substance in vapour at the site is greater than the applicable generic numerical vapour standard;
 - (c.2) despite paragraph (a), for land less than 15 metres from a natural gas or petroleum well head and the land use of the site is agricultural land use,
 - (i) the concentration of any substance in the soil at a depth of less than 2 metres is greater than the applicable agricultural land use standards for soil, or

- (ii) the concentration of any substance in the soil at a depth of 2 metres or more is greater than the standards for soil that would apply if the land use of the site were commercial land use;
- (c.3) despite paragraph (a.1), for Crown land less than 15 metres from a natural gas or petroleum well head and the land use of the site is wildlands land use,
 - (i) the concentration of any substance in the soil at a depth of less than 2 metres is greater than the standards for soil that would apply if the land use of the site were urban park land use, or
 - (ii) the concentration of any substance in the soil at a depth of 2 metres or more is greater than the standards for soil that would apply if the land use of the site were commercial land use; ,
- (c) **in subsection (1) (d) by striking out** “Schedule 4, 5, 6, 7, 9 or 10,” **and substituting** “Schedule 4, 5, 6, 7, 9, 10 or 11,” **and**
- (d) **in subsections (2) and (3) by striking out** “soil, surface water, groundwater or sediment” **and substituting** “soil, surface water, groundwater, sediment or vapour”.

6 Section 12 is amended

(a) by repealing subsection (1) and substituting the following:

- (1) For the purpose of using the standards in this regulation,
 - (a) if a protocol provides for more than one land use at a particular site, the land uses that apply, at any given time, to the site or a part of the site are the land uses that apply in accordance with the protocol, and
 - (b) otherwise, the land use that applies, at any given time, to a particular site or a part of a site is the primary land use at the surface of the site. ,

(b) by adding the following subsections:

- (2.2) For the purpose of using the standards in this regulation, the vapour use that applies, at any given time, to a particular site or a part of a site is based on
 - (a) the uses of the land at the surface of the site, and
 - (b) the potential of the vapour to cause pollution.
- (2.3) A director may specify the applicable land use under subsection (2.2) from the following:
 - (a) agricultural land use;
 - (b) commercial land use;
 - (c) industrial and use;
 - (d) urban park land use;
 - (e) residential land use;
 - (f) wildlands land use. , **and**

- (c) **in subsection (3) by striking out** “the applicable primary land use” **and substituting** “the applicable land use or uses, as the case may be,” **and by adding the following paragraph:**
 - (f) wildlands land use.

7 Section 13 is repealed.

8 Section 40 (2) is amended

(a) *in paragraph (a) by striking out “in Column II of Schedule 7,” and substituting “in, as applicable,*

- (i) Column II of Schedule 7, or
- (ii) Column III of Schedule 10,” *and*

(b) *by adding the following paragraph:*

- (e) the concentration of a substance in vapour at the source site is greater than the concentration specified in Schedule 11 for that substance and the land use of the receiving site.

9 Section 67 is amended by adding the following paragraph:

- (c) establishing procedures for determining
 - (i) whether multiple land uses apply at a site, and
 - (ii) if multiple lands uses apply at a site, which land uses apply.

10 Schedule 1 is amended

(a) *by repealing everything under the heading “II. SITE IDENTIFICATION” and substituting the following:*

II. SITE IDENTIFICATION

Please attach a site location map

All Property:

Coordinates (using the North American Datum 1983 convention) for the centre of the site:

Latitude: Degrees Minutes Seconds

Longitude: Degrees Minutes Seconds

Please attach a map of appropriate scale showing the boundaries of the site.

For Legally Titled, Registered Property

Site Street Address

.....

City

Postal Code

PID numbers and associated legal descriptions. *Attach an additional sheet if necessary.*

PID

Legal Description

.....

.....

.....

.....
.....
Total number of titled parcels represented by this site profile is:

For Untitled Crown Land

PIN numbers and associated land description. *Attach an additional sheet if necessary*

PIN

Land Description

.....
.....
.....
.....
Total number of untitled, crown land parcels represented by this site profile is:

(and, if available)

Crown land file numbers. *Attach an additional sheet if necessary.* ,

- (b) *under the heading “VI. WASTE DISPOSAL” by striking out “deposit or dumping” and substituting “deposit, spillage or dumping”,*
- (c) *in item E under the heading “VI WASTE DISPOSAL” by striking out “or automobile and truck parts cleaning or repair?” and substituting “or from the cleaning or repair of parts of boats, ships, barges, automobiles or trucks, including sandblasting grit or paint scrapings?”,*
- (d) *by striking out “VII. TANKS OR CONTAINERS USED OR STORED” and substituting “VII. TANKS OR CONTAINERS USED OR STORED, OTHER THAN TANKS USED FOR RESIDENTIAL HEATING FUEL”,*
- (e) *in items A and B under heading VII. TANKS OR CONTAINERS USED OR STORED, OTHER THAN TANKS USED FOR RESIDENTIAL HEATING FUEL” by striking out “fuel or chemical storage tanks?” and substituting “fuel or chemical storage tanks other than storage tanks for compressed gases?”, and*
- (f) *by striking out “VIII. SPECIAL (HAZARDOUS) WASTES OR SUBSTANCES” and substituting “VIII. HAZARDOUS WASTES OR HAZARDOUS SUBSTANCES”.*

11 *Schedule 1.1, attached, is added.*

12 *Schedule 2 is amended*

(a) by repealing Item A 9. and substituting”,

COLUMN I	COLUMN II
Item	Purpose or Activity

	9. pharmaceutical products, or controlled substances as defined in the <i>Controlled Drugs and Substances Act</i> (Canada), manufacturing or operations
--	---

(b) in the heading for Item B by striking out “industries,

(c) in Item B by adding the following:

COLUMN I Item	COLUMN II Purpose or Activity
	7. electrical power generating operations fuelled by coal or petroleum hydrocarbons and supplying electricity to a community or commercial or industrial operation

(d) in Item E by adding the following:

COLUMN I Item	COLUMN II Purpose or Activity
	11. controlled substances, as defined in the <i>Controlled Drugs and Substances Act</i> (Canada), manufacturing or operations

(e) in the heading for Item F by striking out “processing, retailing and distribution” and substituting “processing, retailing, distribution and storage other than the storage of residential heating fuel in tanks”,

(f) in Items F 5. and 8. by striking out “petroleum product” and substituting “petroleum product, other than compressed gas,”,

(g) in Item F 7. by striking out “petroleum or natural gas product” and substituting “petroleum product, other than compressed gas,”,

(h) in Item G 4. by striking out “or boat repair” and substituting “or boat repair and maintenance, including paint removal from hulls”,

(i) in Item H 6. by striking out “construction demolition material” and substituting “construction demolition material, including without limitation asphalt and concrete,”, and

(j) in item H 20. by striking out “special (hazardous) waste” and substituting “special waste”.

13 Schedule 4 is amended

(a) by striking out the entry for barium, and

(b) in column I by striking out “hexachlorocyclohexane” and substituting “lindane”.

14 Schedule 5 is amended

- (a) *in column I by striking out “Groundwater used for irrigation watering” everywhere it appears and substituting “Groundwater used for irrigation”,*
- (b) *in each table heading by adding the Chemical Abstract Service number set out in column 2 of the following table after the chemical name, or chemical name and abbreviation, set out opposite that number in column 1:*

Column 1 Chemical Name	Column 2 Chemical Abstract Service Number
Arsenic	(Chemical Abstract Service # 7440-38-2)
Benzene	(Chemical Abstract Service # 71-43-2)
Benzo[a]pyrene (B[A]P)	(Chemical Abstract Service # 50-32-8)
Cadmium	(Chemical Abstract Service # 7440-43-9)
Chromium	(Chemical Abstract Service # 7440-47-3)
Copper	(Chemical Abstract Service # 7440-50-8)
Dichloro-diphenyl-trichloroethane (DDT)	(Chemical Abstract Service # 50-29-3)
Ethylbenzene	(Chemical Abstract Service # 100-41-4)
Ethylene glycol	(Chemical Abstract Service # 107-21-1)
Lead	(Chemical Abstract Service # 7439-92-1)
Mercury (inorganic)	(Chemical Abstract Service # 7439-97-6)
Pentachlorophenol	(Chemical Abstract Service # 87-86-5)
Polychlorinated biphenyls (PCBs)	(Chemical Abstract Service # 1336-36-3)
Polychlorinated dioxins and furans (PCDDs and PCDFs)	(Chemical Abstract Service # 1746-01-6)
Tetrachloroethylene (PERC)	(Chemical Abstract Service # 127-18-4)
Toluene	(Chemical Abstract Service # 108-88-3)
Trichloroethylene (TCE)	(Chemical Abstract Service # 79-01-6)
Xylene	(Chemical Abstract Service # 1330-20-7)
Zinc	(Chemical Abstract Service # 7440-66)

and

(c) *by adding the following tables:*

MATRIX NUMERICAL SOIL STANDARDS¹
BARIUM (Chemical Abstract Service # 7440-39-3)

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V	COLUMN VI	Note
Site-specific Factor	SOIL STANDARD FOR PROTECTION OF SITE-SPECIFIC FACTOR					2
	Agricultural (AL)	Urban Park (PL)	Residential (RL)	Commercial (CL)	Industrial (IL)	
HUMAN HEALTH PROTECTION						
Intake of contaminated soil	6 500	6 500	6 500	20 000		3
Groundwater used for drinking water	400	400	400	400	400	4,5
ENVIRONMENTAL PROTECTION						
Toxicity to soil invertebrates and plants	1 000	1 000	1 000	1 500	1 500	
Livestock ingesting soil and fodder	400					5
Major microbial functional impairment	NS					6
Groundwater flow to surface water used by aquatic life						
Freshwater	3 500	3 500	3 500	3 500	3 500	4
Marine	1 500	1 500	1 500	1 500	1 500	4
Groundwater used for livestock watering	NS					7
Groundwater used for irrigation	NS	NS	NS			7

Notes

1. All values in ug/g unless otherwise stated. Substances must be analyzed using methods specified in a director's protocol or alternate methods acceptable to the director.
2. The site-specific factors of human intake of contaminated soil and toxicity to soil invertebrates and plants specified in this matrix apply at all sites.
3. Intake pathway of exposure modeled is inadvertent ingestion of soil.
4. Assumes barium $K_d = 100$ L/kg
5. Standard has been adjusted based on a reference provincial background soil concentration. Standard represents the reference provincial background soil concentration.
For all land uses, the reference provincial background soil concentration is 412 ug/g.
6. NS – no standard. Insufficient acceptable scientific data exists, so no standard is calculated.
7. NS – no standard. No appropriate standard, guideline or criterion exists to use to develop a soil quality standard.

SCHEDULE 5
MATRIX NUMERICAL SOIL STANDARDS¹
CHLORIDE Ion (Cl⁻) (Chemical Abstract Service # 7647-14-5)

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V	COLUMN VI	Note
Site-specific Factor	SOIL STANDARD FOR PROTECTION OF SITE-SPECIFIC FACTOR					
	Agricultural (AL)	Urban Park (PL)	Residential (RL)	Commercial (CL)	Industrial (IL)	2
HUMAN HEALTH PROTECTION						
Intake of contaminated soil	> 1 000 mg/g	> 1 000 mg/g	> 1 000 mg/g	> 1 000 mg/g		3,4
Groundwater used for drinking water	90	90	90	90	90	5
ENVIRONMENTAL PROTECTION						
Toxicity to soil invertebrates and plants	350	350	350	2 500	2 500	
Livestock ingesting soil and fodder	NS					6
Major microbial functional impairment	NS					7
Groundwater flow to surface water used by aquatic life	550	550	550	550	550	5,8
Groundwater used for livestock watering	200					5
Groundwater used for irrigation	35	35	35			5

Notes

1. All values in ug/g unless otherwise stated. Substances must be analyzed using methods specified in a director's protocol or alternate methods acceptable to the director.
2. The site-specific factors of human intake of contaminated soil and toxicity to soil invertebrates and plants specified in this matrix apply at all sites.
3. Intake pathway of exposure modeled is inadvertent ingestion of soil.
4. Standard established based on toxic reference dose (tolerable daily intake) derived for NaCl. Toxicity attributed primarily to cation (Na⁺) not anion (Cl⁻).
5. Standard varies with Kd for chloride ion in the soil of a site. Standard is appropriate to a chloride:soil Kd range of 0 to 0.1 mL/g. Consult Director for further advice.
6. NS – no standard. No appropriate standard, guideline or criterion exists to use to develop a soil quality standard.
7. NS – no standard. Insufficient acceptable scientific data exists, so no standard is calculated.
8. Standard to protect freshwater aquatic life.

SCHEDULE 5
MATRIX NUMERICAL SOIL STANDARDS¹
SODIUM Ion (Na⁺) (Chemical Abstract Service # 7440-23-5)

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V	COLUMN VI	Note
Site-specific Factor	SOIL STANDARD FOR PROTECTION OF SITE-SPECIFIC FACTOR					2
	Agricultural (AL)	Urban Park (PL)	Residential (RL)	Commercial (CL)	Industrial (IL)	
HUMAN HEALTH PROTECTION						
Intake of contaminated soil	> 1 000 mg/g	> 1 000 mg/g	> 1 000 mg/g	> 1 000 mg/g		3
Groundwater used for drinking water	15 000	15 000	15 000	15 000	15 000	
ENVIRONMENTAL PROTECTION						
Toxicity to soil invertebrates and plants	200	200	200	1 000	1 000	
Livestock ingesting soil and fodder	NS					4
Major microbial functional impairment	NS					4
Groundwater flow to surface water used by aquatic life	NS	NS	NS	NS	NS	5
Groundwater used for livestock watering	NS					5
Groundwater used for irrigation	NS	NS	NS			5

Notes

1. All values in ug/g unless otherwise stated. Substances must be analyzed using methods specified in a director's protocol or alternate methods acceptable to the director.
2. The site-specific factors of human intake of contaminated soil and toxicity to soil invertebrates and plants specified in this matrix apply at all sites.
3. Intake pathway of exposure modeled is inadvertent ingestion of soil.
4. NS – no standard. Insufficient acceptable scientific data exists, so no standard is calculated.
5. NS – no standard. No appropriate standard, guideline or criterion exists to use to develop a soil quality standard.

- 15 *Schedule 6 is amended by repealing the entries for arsenic, chloride, lithium and methyl tertiary butyl ether and all entries under the heading “Halogenated Methanes” and substituting the following:*

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V
Substance	Aquatic Life ² (AW)	Irrigation ^{2,3} (IW)	Livestock ² (LW)	Drinking Water ⁴ (DW)
arsenic	50 ⁶ , 125 ⁸	100	25	10
chloride	1 500 mg/L ⁶	100 mg/L ⁴⁹	600 mg/L	250 mg/L ¹¹
lithium		2 500 ⁴⁹	5 000	
methyl tertiary butyl ether (MTBE)	34 000 ⁶ , 4 400 ⁸		11 000	15
Halogenated Methanes				
bromodichloromethane (BDCM)			100	16
dibromochloromethane (DBCM)			100	100 ³⁷
dichloromethane (methylene chloride)	980		50	50
tetrachloromethane (carbon tetrachloride)	130		5	5
tribromomethane (bromoform)			100	100 ³⁷
trichloromethane (chloroform)	20		100	100 ³⁷

16 Schedule 6 is amended by repealing footnotes 9 and 37 and substituting the following:

⁹ Standard varies depending on crop as follows:

Crop	Standard (ug/L)
blackberry	500
barley, cherry, cowpea, garlic, grape, Jerusalem artichoke, kidney bean, lima bean, lupin, 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

³⁷ Standard is specific for total trihalomethanes. Sum of the concentrations of bromodichloromethane (BDCM), dibromochloromethane (DBCM), tribromomethane (bromoform) and trichloromethane (chloroform) must not exceed the standard specified.

17 Schedule 7 is amended

(a) by repealing the entry for barium and substituting the following:

COLUMN I	COLUMN II	COLUMN III	COLUMN IV
Substance	Soil Relocation to Nonagricultural Land²	Soil Relocation to Agricultural Land³	Waste Disposal Prohibited without

			Authorization⁴
Inorganic Substances			
barium	400	400	400

and

(b) by adding the following entries under the “Inorganic Substances” heading:

COLUMN I	COLUMN II	COLUMN III	COLUMN IV
Substance	Soil Relocation to Nonagricultural Land²	Soil Relocation to Agricultural Land³	Waste Disposal Prohibited without Authorization⁴
Inorganic Substances			
chloride ion (Cl ⁻)	35	35	90
sodium ion (Na ⁺)	200	200	1 000

18 Footnote 13 of Schedule 9 is amended by striking out “1,1-dichloroethane” and substituting “-1,1-dichloroethane”.

19 Schedule 10 is repealed and the attached Schedule 10 is substituted.

20 The attached Schedule 11 is added.



Ministry of
Environment

SCHEDULE 1.1

Summary of Site Condition

Purpose of this Summary of Site Condition

This Summary of Site Condition will serve several purposes. It will provide the Ministry of Environment (the ministry) with a summary of key information that will be used to understand the status of investigations and remediation, the nature and extent of remediation that is proposed or has been undertaken, further work that will be required, or closure documentation requested that is authorized by legislation and regulations in B.C. The Summary of Site Condition will also provide information to persons with an interest in investigations and management of contaminants on or adjacent to a property or properties that are considered a site.

The information contained in this Summary of Site Condition is provided by or on behalf of the British Columbia Ministry of Environment to assist individuals to become familiar with conditions and issues at a site for which contaminant investigations and / or remediation have been carried out and reviewed under the guidance of the British Columbia Contaminated Sites Regulation (CSR), the Hazardous Waste Regulation (HWR), and the *Environmental Management Act* (EMA).

It is emphasized that this is a summary only and should in no case be the sole basis for important decisions about the site. Those with an interest in contaminant issues and the status of the site should seek more complete technical information as contained in site investigation, risk assessment, remediation plan and confirmation of remediation reports prepared by and signed by appropriately qualified individuals. Firms and individuals that rely on the information contained herein do so entirely at their own risk.

Notes and instructions

A Summary of Site Condition is to be completed by the Approved Professional(s) making submission to the Ministry of Environment with application for a regulatory instrument (e.g. Determination, Approval in Principle, Contaminated Soil Relocation Agreement or Certificate of Compliance).

This Summary of Site Condition will provide ministry regulatory officials with much of the information on which they will evaluate the recommendation of an Approved Professional(s).

A separate Summary of Site Condition is required for each service request submitted for a site.

All applicable parts of this Summary of Site Condition and required attachments (e.g., site plan; site plan showing areas of potential environmental concern, and/or areas of environmental concern) must be completed and submitted or the Summary will be returned and processing of any application(s) will be delayed.

If the Summary of Site Condition is to accompany a recommendation by an Approved Professional that a service be provided as described in section 7.1 of the Contaminated Sites Regulation, the following must also be submitted with the package:

- a completed Contaminated Sites Service Application form
- a contaminated sites legal instrument cover letter (hard copy and electronic version)
- a completed draft contaminated sites legal instrument
- the applicable fees
- a signed Summary of Site Condition (hard copy and electronic version with PDF format preferred).

Failure to accurately fill out the Summary of Site Condition may result in delays issuing the legal instrument.

Part 1: Cover Page

(To be completed by the Approved Professional)

<p>Current Site Owner:</p> <p><i>(Attach additional sheets with names and contact information for additional site owners as required)</i></p>	<p>Mailing Address: Company Name: Address: City: Postal Code: Contact Name: Phone: Fax: E-mail:</p>
<p>Applicant <i>(If instrument is being applied for)</i></p> <p><input type="checkbox"/> Same as above, or:</p>	<p>Mailing Address: Company Name: Address: City: Postal Code: Contact Name: Phone: Fax: E-mail:</p>
<p>Agent</p> <p><input type="checkbox"/> Same as applicant above, or:</p>	<p>Mailing Address: Company Name: Address: City: Postal Code: Contact Name: Phone: Fax: E-mail:</p>
<p>Approved Professional(s) <i>(If making a recommendation under the CSR or another submission)</i></p>	<p>Mailing Address: Company Name: Address: City: Postal Code: Approved Professional Name: Phone: Fax: E-mail: Scope of review completed by Approved Professional:</p> <p>Company Name: Address: City: Postal Code: Approved Professional Name: Phone: Fax: E-mail: Scope of review completed by Approved Professional:</p>

<p>Reason for Completing this Summary</p> <p><input type="checkbox"/> Recommendation is being made, or:</p> <p><input type="checkbox"/> This is a submission without a recommendation under the CSR:</p>	<p>Role of Approved Professional:</p> <p>Reviews:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Stage 1 preliminary site investigation report (Stage 1 PSI) <input type="checkbox"/> Stage 2 preliminary site investigation report (Stage 2 PSI) <input type="checkbox"/> Detailed site investigation report (DSI) <input type="checkbox"/> Background substance concentrations report <input type="checkbox"/> Remediation plan without risk assessment report <input type="checkbox"/> Remediation plan with risk assessment report <input type="checkbox"/> Confirmation of remediation report (CoR) <input type="checkbox"/> Quantitative human health or ecological risk assessment report <input type="checkbox"/> Screening level risk assessment report <input type="checkbox"/> Other (<i>please specify</i>) <p>Recommendation(s) (<i>With Regulatory Instrument</i>):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determination (<i>Determination</i>) <input type="checkbox"/> Approval in Principle, numerical standards (<i>AiP numerical standards</i>) <input type="checkbox"/> Approval in Principle, risk-based standards (<i>AiP risk-based standards</i>) <input type="checkbox"/> Contaminated Soil Relocation Agreement (<i>CSRA</i>) <input type="checkbox"/> Certificate of Compliance, numerical standards (<i>CoC numerical standards</i>) <input type="checkbox"/> Certificate of Compliance, risk-based standards (<i>CoC risk-based standards</i>) <input type="checkbox"/> Other (<i>please specify</i>) <p>Section 4 of the Summary of Site Condition does not need to be completed with the request for Certificate of Compliance if an Approval in Principle exists for the site, provided that no new information has been obtained for the site applicable to this section of the form.</p>
---	--

Part 2: Executive Summary

(To be completed by the Approved Professional(s) reviewing site investigation, risk assessment, remediation or confirmation of remediation reports)

Site Location: (The site and location plans are to be provided as Schedule A of the draft instrument.)	
Subject Site:	
Civic Address(s):	
Site Common Name: (if applicable)	
Legal description(s) or metes and bounds: (add additional pages if needed)	
PID(s): (or PIN(s) if untitled Crown land)	
Centre of site: (using NAD 83 convention) (accurate to ± 0.5 second)	Latitude: ___ degrees ___ min ___ secs
	Longitude: ___ degrees ___ min ___ secs
Offsite impacted Properties <i>or</i> Receiving Site:	<input type="checkbox"/> Offsite impacted propertie(s) – provide information for each <input type="checkbox"/> Receiving site for Contaminated Soil Relocation Agreement <input type="checkbox"/> Not Applicable
Civic Address(s):	
Site Common Name: (if applicable)	
Legal description(s) or metes and bounds (if a portion of a site): (add additional pages if needed)	
PID(s): (or PIN(s) if untitled Crown land)	
BC Site ID (if applicable):	
Approximate Centre of site: (accurate to ± 0.5 second)	Latitude: ___ degrees ___ min ___ secs
	Longitude: ___ degrees ___ min ___ secs

Part 3: Document Summary

(List of all known site investigation, risk assessment (including screening level risk assessment), remediation plan and confirmation of remediation reports completed and directly supporting correspondence submitted (subject site and offsite impacted sites)).

#	Document Title	Author / Company	Document Date

Part 4: Investigation Summary

4.1 Investigations Completed

		Yes	No	n/a
Stage 1 PSI	Completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Includes Stage 1 PSI information as listed in CSR S.58 and any current applicable ministry protocols, guidelines, checklists, etc.?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stage 2 PSI	Completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Includes Stage 2 PSI information as listed in CSR S.58 and any current applicable ministry protocols, guidelines, checklists, etc.?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DSI	Completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Includes DSI information as listed in CSR S.59 and any current applicable ministry protocols, guidelines, checklists, etc.?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Reports	Completed? (<i>Specify in Notes below</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	According to other guidelines? (<i>Provide explanation in notes below. Indicate how reports assist understanding of conditions and remediation.</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Notes:</i>				

n/a – not applicable

If completed investigation reports are not adequate or if reports are titled differently or have a different scope than those listed above in accordance with the Contaminated Sites Regulation (i.e., PSI, DSI), complete Section 4.8 (Investigation or Interpretation Issues).

4.2 Site Conditions

Topography

Describe steepness and direction of slope and position of site in relation to surrounding land

Stratigraphy

Describe depth and thickness, grain size, etc. of typical stratigraphic components and note depth to cemented or very compact materials, bedrock / refusal, etc.

Hydrogeology

Describe groundwater levels, confining / semi-confining layers, flow direction and velocity

Surface Water Features

List name, direction and distance to nearest surface water bodies and the characteristics (e.g., relative size / flow) of the water body

Fresh water:

Marine waters:

4.3 Land Use

Location		Description of Current Land Use(s) / Activities
Onsite	Subject site	
Offsite	North	
	East	
	South	
	West	

Proposed land use of subject site: same as above or other (please specify)

4.4 Applicable Numerical Concentration Standards and Criteria

(If more than one land or water use applies to the site, expand this section to specify additional land uses covered by the instrument, i.e. riparian areas, roadways, etc. Include a diagram to clearly show the areas with different standards.)

Soil (standards):

Property		CSR Land Use					
		AL	PL	RL	CL	IL	Other
Subject site	Current	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Proposed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Receiving site <i>(if completed in support of a Contaminated Soil Relocation Agreement)</i>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Offsite impacted property / management area		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If Other is specified above, please explain: (applicable or excluded guidance, protocols or policies specific to the site)

Water (standards):

(Check all that apply)

	AW fresh	AW marine	IW	LW	DW	No Water Use
Groundwater (CSR Schedules 6 & 10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Ambient fresh	Ambient marine				
Surface Water (Ambient Guidelines and/or Criteria)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Sediment (criteria CSR Schedule 9):

Type of Aquatic Life		Type of habitat		
<input type="checkbox"/> Freshwater	<input type="checkbox"/> Marine/Estuarine	<input type="checkbox"/> Sensitive	<input type="checkbox"/> Typical	<input type="checkbox"/> Not applicable

4.5 APEC and PCOC Summary

(Not applicable for a receiving site in a Contaminated Soil Relocation Agreement)

Provide reference to a figure showing onsite and offsite areas of potential environmental concern (APEC) and contaminants of potential concern associated with each APEC: Report # ____, Figure # ____, Page # ____

Area of Potential Environmental Concern (APEC)		Potential Contaminant of Concern (PCOC) <i>(indicate products, chemicals, waste type, etc. and/or analytical parameter)</i>	Check where analyses completed					
#	Description <i>(describe location in relation to process source, waste, filling, land use or activity, etc. giving rise to APEC, and if APEC is primary due to soil or water contamination)</i>		Soil	Sediment	Ground water	Surface Water	Vapour	Other (explain)
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please explain):

4.7 Offsite Migration

	Yes	No
Is there evidence that one or more substances has migrated or is likely to have migrated to a neighbouring site and is or is likely causing contamination of the neighbouring property?	<input type="checkbox"/>	<input type="checkbox"/>
Has any sampling occurred offsite for PCOCs in any media?	<input type="checkbox"/>	<input type="checkbox"/>
Have preferential pathways been assessed? (including assessment of all neighbouring underground utility rights-of-way)	<input type="checkbox"/>	<input type="checkbox"/>

If yes to the first question, complete the following:

There is evidence of historical, or current offsite transport of contaminants from the site in:

- groundwater;
- surface water;
- vapours; and/or
- other

Briefly describe the nature of and evidence for offsite migration (either known, suspected or potential)

The impacted offsite lands are categorized as:

- having a potable groundwater source;
- being aquatic habitat, as formally defined;
- agricultural lands
- residential or urban parklands
- commercial land
- industrial land

4.8 Investigation or Interpretation Issues to be Addressed

Identify any issues regarding investigations or interpretations if the PSI and DSI information may not satisfy the requirements of CSR Sections 58 and 59 and applicable protocols and guidance documents. Briefly describe how these deficiencies will be addressed (examples include destroyed wells, completion of detailed delineation following building demolition or other proposed work at a later stage of remediation).

Part 5: Remediation Summary

5.1 Remediation Reporting Summary

		Yes	No	n/a
Risk Assessment	Completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Includes quantitative human health and ecological risk assessment report information or screening level risk assessment per EMA, CSR and current applicable ministry protocols, guidelines, checklists?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remediation Plan	Completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Includes CSR specified information for a Remediation Plan (<i>see CSR S.1, 16, 47</i>) and current applicable ministry protocols, guidelines, checklists, etc.?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confirmation of Remediation	Completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Includes CSR specified information (<i>see CSR S.49</i>) and any current applicable ministry protocols, guidelines, checklists for COR reports?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Reports	Completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	According to other guidelines? (<i>Provide explanation in notes below. Indicate how reports assist understanding of conditions and / or remediation.</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Notes:</i>				

If completed remediation reports are not adequate or if reports have a different scope than those listed above in accordance with the CSR complete Section 5.6 - Outstanding Remediation Issues.

5.2 Proposed or Completed Remedial Activities

(Describe all aspects of remediation, including regulatory actions and activities to comply with numerical and/or risk-based standards)

Regulatory

(Notification of Independent Remediation, Approval in Principle, Certificate of Compliance, Determination, Restrictive Covenant, etc.)

If commitments or conditions to be met are included in an Approval in Principle issued for the site, list these conditions and identify how they were met through remedial activities.

Remediation to comply with numerical standards/criteria

(Excavation / disposal of soil, Treatment of soil; Treatment of groundwater, etc.)

Remediation to comply with risk-based standards

Are either of the following intended for use at the site, or have they been carried out?

	Intended		Carried Out	
Screening Level Risk Assessment	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Quantitative Risk Assessment	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If yes for any above, complete Section 5.5 (Summary of Residual Contamination)

Describe risk management / exposure reduction methods intended or implemented and indicate the status of any measures. (e.g., Physical / engineering: *monitoring, capping or barriers to exposure*; Institutional: *registration of restrictive covenants, financial security, etc.*)

Provide a reference to signed and stamped design drawings provided by a professional engineer for works installed at site boundaries to prevent recontamination of a site.

Report # _____ Page # _____ or Appendix # _____

5.3 Summary of Remediation Plan

	AEC # <i>(Use same #s as for APECs in Table above)</i>	Contaminant(s) of Concern	Remediated to the following standard <i>(proposed or completed)</i>				Remediation Schedule		
			Numerical (Standard, guideline or criteria)	Back-ground (attach Protocol 4 or 9 approval if applicable)	Hazardous Waste standard	Risk-based	Remediation Complete?		Proposed or Actual completion date
						Yes	No		
Soil									
Groundwater									
Sedi ment									

	AEC #	Contaminant(s) of Concern	Remediated to the following standard <i>(proposed or completed)</i>				Remediation Schedule		
	<i>(Use same #s as for APECs in Table above)</i>		Numerical (Standard, guideline or criteria)	Back-ground (attach Protocol 4 or 9 approval if applicable)	Hazardous Waste standard	Risk-based	Remediation Complete?		Proposed or Actual completion date
							Yes	No	
Surface Water									
Soil Vapour									

In the AEC column, specify as N/A (not applicable) if remediation or assessment is not required in this environmental medium.

5.4 Summary of Contaminant Treatment or Removal

(Identify and describe all contamination removed from or treated onsite. Ensure section 6.2 is completed if no CSRA is required or required only for a portion of soil removed)

Provide references to figure(s) showing the lateral and vertical extent of any treated or removed contamination. Confirmatory sample locations and corresponding analytical results shall be shown on each figure and in tabular form with reference to applicable standards:

Environmental medium _____ Report # _____ Figure # _____ Page # _____
 Environmental medium _____ Report # _____ Figure # _____ Page # _____
 Environmental medium _____ Report # _____ Figure # _____ Page # _____

AEC / APEC # <i>(Use same #s as for APECS in Table above)</i>	Contaminant(s) of Concern	Medium <i>(e.g., soil, groundwater, sediment, surface water, vapour, other)</i>	Material Removed	
			Volume <i>(m³ or L)</i>	Disposal Location <i>(indicate if treated onsite)</i>

5.5 Summary of Residual Contamination after Remediation

(Identify and describe all contamination that exceeds CSR numerical standards, after the remediation described above has been implemented.)

AEC / APEC # <i>(Use same #s as for APECS in Table above)</i>	Contaminant of Concern	Medium <i>(e.g., soil, groundwater, sediment, surface water, vapour, other)</i>	Maximum Measured Concentration <i>(indicate units)</i>	Extent of Contamination	
				Area (m ²)	Depth Range <i>(m)</i>

5.6 Remediation Issues

Identify remaining issues if the remediation plan, confirmation of remediation report or risk assessment report does not include CSR specified information and current applicable ministry protocols, guidelines, checklists, etc. for these documents..

Part 6: Summary of Soil Relocation

6.1 Relocation with a Contaminated Soil Relocation Agreement

Source Site

(Soil to be relocated under the CSRA (from Table 4.6). Investigation information may be limited to the soil that is the subject of the relocation agreement)

APEC # (Use same #s as for APECS in Table above)	Contaminant of Concern (List separately)	Classification of the soil to be Relocated (<i>AL, PL, RL, CL, IL; Column II, III, IV</i>)		Volume m ³
		Schedule 4, 5 or 10	Schedule 7	

Receiving Site

Soil to be relocated has been adequately characterized?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total Volume of soil to be relocated?	m ³	
Applicable CSR Land Use at receiving site	AL <input type="checkbox"/>	PL <input type="checkbox"/>
	RL <input type="checkbox"/>	CL <input type="checkbox"/>
		IL <input type="checkbox"/>

Contaminant (as indicated in CSR Schedule 7)	Maximum Contaminant Concentration in soil to be relocated (mg/kg)	Applicable CSR Schedule 4 or 5 standard at receiving site (mg/kg)

Sufficient data on receiving site?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
------------------------------------	------------------------------	-----------------------------

(Ensure to assess any modifying factors for the receiving site soils such as soil pH)

Conditions pertaining to relocation (CSR, Sec. 44):

Will the source and receiving municipality be notified before soil is relocated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Will at least 4 business days be allowed to pass before soil is relocated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

6.2 Relocation without a Relocation Agreement

Other soil relocation not requiring a Contaminated Soil Relocation Agreement (CSRA):

Has or will contaminated soil be relocated without a CSRA?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Do exemptions apply? (<i>indicated below; see CSR Sec. 41</i>)		
Relocation of contaminated soil on the site at which the contaminated soil originates?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Relocation of contaminated soil which is contaminated due only to the presence of the local background concentration?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Relocation of contaminated soil within an area subject to a wide area remediation plan?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Relocation of contaminated soil originating from emergency cleanup of a spill?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Relocation of soil to an authorized hazardous waste storage or treatment facility? If yes, provide BC Generator Registration # _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Relocation of contaminated soil to a destination outside British Columbia?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Relocation of contaminated soil from a specific site not exceeding 5 cubic metres in volume?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Relocation of contaminated soil to federal property?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Relocation to an authorized landfill that is exempt from a CSRA?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Part 7: Recommendation of Approved Professional(s)

7.1 Regulatory Instrument and Summary Recommendation

Based on the detailed technical information available for the site, as summarized in this Summary of Site Condition, I Approved Professional Name recommend that the following instrument be issued for the Subject Site.

- A Determination under section 44 of *EMA*
- An AiP under section 53 (1) of *EMA*
- A CoC under section 53(3) of *EMA*
- A CSRA under section 55(2) of *EMA*
- Other (specify)

Although I understand that the basis of such recommendations should be formally evaluated only by reference to detailed technical guidance, the primary basis of this recommendation or these recommendations is as follows:

For a recommendation for a Determination:

- <On the basis of information provided and reviewed, it is my opinion that no CSR Schedule 2 activities have occurred at the subject site>, *or* < CSR Schedule 2 activities are known or suspected to have occurred at the subject site, therefore in my opinion contaminants may have been released onto the subject site so that the site would be classified as a contaminated site in accordance with the CSR> *or* < CSR Schedule 2 activities are known or suspected to have occurred at the subject site, but it is my opinion that the specific nature of such activities would not result in contamination so that the site would be classified as a contaminated site in accordance with the CSR>.
- A Preliminary Site Investigation addressing all identified areas of potential environmental concern (APECs) and potential contaminants of concern (PCOCs) was completed. No substances were identified in concentrations exceeding those identified in BC CSR Schedules 4, 5, 6, 7, 9, 10 or 11, as applicable. All PCOCs have been listed in Schedule B of the draft Determination.

For a recommendation for an Approval in Principle and for a Certificate of Compliance:

- A Preliminary Site Investigation addressing all identified areas of potential environmental concern (APECs) and potential contaminants of concern (PCOCs) was completed. One or more substances were identified at concentrations exceeding applicable standards or criteria in CSR Schedule 4, 5, 6, 7, 10 or 11 or criteria in Schedule 9.
- A Detailed Site Investigation addressing the locations and extent of all identified areas of environmental concern (AECs) and contaminants of concern was completed <and forms the basis of a remediation plan or risk assessment> *or* <was the basis for remediation of the site>.
- When this Summary of Site Condition was prepared <a remediation plan had been prepared that provides for remediating all identified locations and respective extent of all contaminants to either CSR numerical or risk-based standards> *or* <all contaminants and their respective locations and extent as identified in investigation and risk assessment reports had been remediated to CSR numerical concentration or risk-based standards or criteria (sediments) or both>.

For recommendation for a Contaminated Soil Relocation Agreement:

- The source site soil and receiving site have been adequately characterized to recommend issuance of a Contaminated Soil Relocation Agreement under Protocol 6.

7.2 Substances Remediated and Standards or Criteria

<Contaminants have been remediated to comply with standards or criteria listed in the following table:>

(If the site required remediation and has been remediated.)

	Substances Remediated for Each Type of Standard / Criteria	
	Numerical Standards (Criteria for Sediments, Vapour)	Risk based Standards (Criteria for Sediments, Vapour)
Soil		
Water		
Sediments		
Soil Vapour		
Other		

Use specific compound names as listed in the Contaminated Sites Regulation schedules.

The Director may accept the recommendations of an Approved Professional(s) involved in the review and submission of investigation, risk assessment or remediation reports based in part on the understanding that:

- As of <date>, the date of signing of this report, the Approved Professional, or Approved Professionals if more than one, is/are member(s) in good standing of the Roster of Approved Professionals, as maintained by the ministry, and member(s) of the Contaminated Sites Approved Professionals Society (CSAP Society);
- The Approved Professionals signing this Summary of Site Condition have reviewed Table 1, Protocol 6 for Contaminated Sites (*Eligibility of Applications for Review by Approved Professionals*) and confirm that the *Application for Contaminated Sites Services* may be processed in the manner for non-high risk sites under the Roster of Approved Professionals process;
- The reviewer has no obligation to undertake any inquiry into the validity, accuracy or precision of what is reported in the documents reviewed, unless there is reasonable cause to believe that there could be errors or oversights in those reports;
- < as appropriate> The subject site has been satisfactorily investigated for all areas of <potential> environmental concern and <potential> contaminants of concern to determine the lateral and vertical extents of contamination with due regard to the *EMA*, the *CSR*, and the *HWR*;
- <as appropriate> The submitted documentation meets the requirements of Sections <1, 47, 49, 58 and 59> of the *CSR*;
- <as appropriate> The Screening Level Risk Assessment meets the requirements of Protocol 13;
- <for AiPs> The submitted remediation plan, if implemented in accordance with the specified conditions imposed in its draft Schedule “B” of the AIP, will result in the subject site being remediated in accordance with the applicable standards of the *CSR* and the *HWR*;
- <for AiPs> It is feasible to implement all provisions of the Remediation Plan and to achieve its objectives and the conditions of the AIP within 5 years of issuance of the AIP;

- *<for CoCs>* The confirmation of remediation report meets the requirements of section 49 (2) of the CSR;
- *<for CoCs>* The onsite management area(s) has/have been satisfactorily remediated in accordance with section 53 (3) of the EMA and section 49 (2) of the CSR in accordance with applicable standards as identified in the draft COC;
- *<for CoCs where contamination exists beyond the legal lot boundaries>* The offsite portion(s) of the site has/have been satisfactorily remediated in accordance with section 53 (3) of the EMA and section 49 (2) of the CSR and makes up part of this application *<or>* a Remediation Plan in accordance with requirements of the CSR, sections 1 and 47, has been prepared and application has been made for AIP for the offsite portions.
- *<for CoCs where contamination exists beyond the legal lot boundaries and engineered works are required to prevent recontamination of the site>* A signed and stamped design drawing has been provided by a professional engineer for works installed at site boundaries to prevent recontamination of the site. The signatory need not be the Approved Professional signing below.
- *<for Determination>* In accordance with section 15 (5) of the CSR, the subject site is *<or is not>* a contaminated site under section 44 (1) of the EMA;
- *< if a “direct” final determination>* In accordance with section 15 (5) of the CSR, the subject site is a contaminated site under section 44 (3) of the EMA;
- *<for CSRAs>* In accordance with section 43 (2) of the CSR, the soil to be relocated from the subject site complies with standards in CSR Schedule 7 and is suitable for relocation to the receiving site identified in this Summary of Site Condition.

The opinions, advice and recommendations expressed in this Summary of Site Condition are made in accordance with generally accepted principles and practices as recognized by members of the applicable profession or discipline practising at the same time and in the same or similar locations. This Summary of Site Condition does not provide a legal opinion or guarantee regarding compliance with applicable laws.

Name(s) of Approved Professional(s):	Signature(s) of Approved Professional(s):	Date:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

7.3 Arm’s Length Review

There may have been an arm’s length review of one or more of the following recommendations to the Director of Waste Management:

1. Making a recommendation to a Director in support of an application for an Approval in Principle based on remediation to numerical standards or a screening level risk assessment where there is offsite migration at the site.

2. Making a recommendation to a director in support of an application for an Approval in Principle based on a risk assessment (other than a screening level risk assessment) and remediation to risk-based standards
3. Making a recommendation to a Director in support of an application for a Certificate of Compliance based on remediation to numerical standards or a screening level risk assessment where there is offsite migration at the site.
4. Making a recommendation to a Director in support of an application for a Certificate of Compliance based on a risk assessment (other than a screening level risk assessment) and remediation to risk-based standards
5. Making a recommendation to a Director in support of an application for a Contaminated Soil Relocation Agreement based on a screening level risk assessment for the parcel at which the soil is to be deposited where there is offsite migration at the source site
6. Making a recommendation to a Director in support of an application for a Contaminated Soil Relocation Agreement based on a risk assessment (other than a screening level risk assessment) for the parcel at which the soil is to be deposited
7. Making a recommendation to a Director in support of any other application based on risk assessment or risk management (other than a screening level risk assessment) not otherwise described in any other row in this list, as required under a protocol signed by a Director.

If this is the case, please have the Approved Professional who carried out the arm's length review sign below, specifying the type of arm's length review done for the site.

Type of Arm's Length Review (Insert number from list)	Name(s) of Approved Professional(s):	Signature(s) of Approved Professional(s):	Date:
	_____	_____	_____
	_____	_____	_____

Part 8: Statement of Site Owner / Agent / Lessee

8.1 Offsite Migration Notification

If it is known that one or more substances has migrated or is likely to have migrated to a neighbouring site and is or is likely causing contamination of the neighbouring site, have notifications been given?

(See CSR Sec. 57 and 60.1 for requirements)

	Yes	No
Have owners of impacted offsite properties been formally notified?	<input type="checkbox"/>	<input type="checkbox"/>
Has the ministry been formally notified?	<input type="checkbox"/>	<input type="checkbox"/>

8.2 Confirmations by Owner / Agent / Lessee Regarding Approved Professional

This is to acknowledge that <as the owner / as the agent on behalf of the owner / lessee> *(strike out and initial that which does not apply – if signing as the agent of the owner or lessee, written consent from the owner or lessee authorizing signature of this Summary of Site Condition must be attached)* of the site I have engaged Approved Professional Name(s)

as the Approved Professional(s) to review site investigation, risk assessment and remediation reports and to make submission and application with recommendations, if applicable, for the regulatory instrument(s) as indicated in this Summary of Site Condition.

I agree to comply with any requirements on the site regarding monitoring and maintenance of works as documented in <schedule B of the draft contaminated sites legal instrument >.

I accept that if a risk assessment has been applied at the site, the risk assessment is valid only as long as conditions at the site do not change.

I have undertaken reasonable inquiry into the previous ownership and uses of the property and to the best of my knowledge I have provided to the Approved Professional, information relevant to the investigation and remediation of the environmental condition of the site, in the preparation of this document.

I acknowledge that this Summary of Site Condition becomes a public document after it has been received and acknowledged by the Director of Waste Management. Any party intending to purchase, lease, take a security interest in or occupy the site may review this document and any supporting documents to satisfy themselves with respect to the environmental condition of the site, and the extent of responsibility and liability that may arise from taking ownership of, taking a security interest in or occupying the site.

I have made no modifications to this document except as allowed by the form.

Name:

Address:

Signature:

Date:

SCHEDULE 10

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
acephate	30560-19-1	560	2 000	77
acetaldehyde	75-07-0	110	230	17
acetochlor	34256-82-1	1 200	12 000	730
acetone	67-64-1	14 000	54 000	33 000
acetone cyanohydrin	75-86-5	49	490	29
acetonitrile	75-05-8	420	1 800	620
acrolein (2-propenal)	107-02-8	0.1	0.34	18
acrylamide (2-propenamide)	79-06-1	1.1	3.8	0.15
acrylic acid (2-propenoic acid)	79-10-7	29 000	100 000 ⁶	18 000
acrylonitrile (2-propenenitrile)	107-13-1	2.1	4.9	1.2
alachlor	15972-60-8	60	210	8.4
alar (daminozide)	1596-84-5	9 200	92 000	5 500
aldicarb	116-06-3	61	620	9
aldicarb sulfone	1646-88-4	61	620	37
aldrin	309-00-2	0.29	1.0	0.7
ally (metsulfuron-methyl)	74223-64-6	15 000	100 000 ⁶	9100
allyl alcohol (2-propene-1-ol)	107-18-6	310	3 100	180
allyl chloride (3-chloropropene)	107-05-1	17	180	10
aluminum phosphide	20859-73-8	31	410	15
amdro (hydramethylnon)	67485-29-4	18	180	11
ametryn	834-12-8	550	5 500	330
3-amino-2,5-dichlorobenzoic acid (chloramben)	133-90-4	920	9 200	550

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
aminodinitrotoluene (all isomers)	1321-12-6	12	120	7.3
3-aminophenol	591-27-5	4 300	43 000	2 600
4-aminopyridine	504-24-5	1.2	12	0.73
amitraz	33089-61-1	150	1 500	91
ammonium sulfamate	7773-06-0	12 000	100 000 ⁶	7 300
aniline	62-53-3	850	3 000	120
apollo (clofentezine)	74115-24-5	790	8 000	470
aramite	140-57-8	190	690	27
assure (quizalofop)	76578-12-6	550	5 500	330
asulam	3337-71-1	3 100	31 000	1 800
atrazine	1912-24-9	22	78	5
averge (difenzoquat)	43222-48-6	4 900	49 000	2 900
avermectin B1	71751-41-2	24	250	15
azobenzene	103-33-3	44	160	6.1
baygon (propoxur)	114-26-1	240	2 500	150
bayleton (triadimefon)	43121-43-3	1 800	18 000	1 100
baythroid (cyfluthrin)	68359-37-5	1 500	15 000	910
BDCM (bromodichloromethane)	75-27-4	8.2	18	16
benefin (benfluralin)	1861-40-1	18 000	100 000 ⁶	11 000
benfluralin (benefin)	1861-40-1	18 000	100 000 ⁶	11 000
benlate (benomyl)	17804-35-2	3 100	31 000	1 800
benomyl (benlate)	17804-35-2	3 100	31 000	1 800
bensulfuron-methyl (londax)	83055-99-6	12 000	100 000 ⁶	7 300
bentazon	25057-89-0	1 800	18 000	1 100
benzaldehyde	100-52-7	6 100	62 000	3 700

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
1,4-benzenediol (hydroquinone)	123-31-9	87	310	1 500
1,2,4-benzenetricarboxylic anhydride (trimellitic anhydride) (TMAN)	552-30-7	8.6	86	5.1
benzidine	92-87-5	0.021	0.075	0.0029
benzoic acid	65-85-0	100 000 ⁶	100 000 ⁶	150 000
benzotrchloride (a.a.a-trichlorotoluene)	98-07-7	0.37	1.3	0.052
benzyl alcohol	100-51-6	18 000	100 000 ⁶	11 000
benzyl chloride (a-chlorotoluene)	100-44-7	8.9	22	4.0
beta-chloronaphthalene (2-chloronaphthalene)	91-58-7	4 900	23 000	2 900
bidrin (dicrotophos)	141-66-2	6.1	62	3.7
biphenthrin (talstar)	82657-04-3	920	9 200	550
bis(2-chloroethyl) ether	111-44-4	2.2	5.8	0.61
bis(2-chloroisopropyl) ether	39638-32-9	29	74	9.6
bis(chloromethyl) ether	542-88-1	0.0019	0.0043	0.0031
bis(2-chloro-1-methylethyl) ether	108-60-1	29	74	9.6
bisphenol A	80-05-7	3 100	31 000	1 800
bromate	15541-45-4	6.9	25	10
bromobenzene	108-86-1	28	92	730
bromodichloromethane (BDCM)	75-27-4	8.2	18	16
bromoform (tribromomethane)	75-25-2	620	2 200	100
bromoethene (vinyl bromide)	593-60-2	1.9	4.2	6.1
bromomethane (methyl bromide)	74-83-9	3.9	13	51
bromophos	2104-96-3	310	3 100	180
bromoxynil	1689-84-5	1 200	12 000	5
bromoxynil octanoate	1689-99-2	1 200	12 000	730

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
1,3-butadiene	106-99-0	0.58	1.2	6.1
1-butanol	71-36-3	6 100	61 000	3 700
2-butanone (methyl ethyl ketone)	78-93-3	22 000	110 000	22 000
2-butoxyethanol (ethylene glycol, monobutyl ether)	111-76-2	31 000	100 000 ⁶	18 000
2-(2-butoxyethoxy)ethanol (diethylene glycol, monobutyl ether)	112-34-5	610	6 200	370
butylate	2008-41-5	3 100	31 000	1 800
butyl benzyl phthalate	85-68-7	12 000	100 000 ⁶	7 300
butylphthalylbutylglycolate	85-70-1	61 000	100 000 ⁶	37 000
caprolactam	105-60-2	31 000	100 000 ⁶	18 000
captafol	2425-06-1	570	2 000	78
captan	133-06-2	1 400	4 900	190
carbaryl	63-25-2	6 100	62 000	90
carbazole	86-74-8	240	860	34
carbofuran	1563-66-2	310	3 100	90
carbon disulfide	75-15-0	360	720	3 700
carbosulfan	55285-14-8	610	6 200	370
carboxin	5234-68-4	6 100	62 000	3 700
chloramben (3-amino-2,5-dichlorobenzoic acid)	133-90-4	920	9 200	550
chloranil	118-75-2	12	43	1.7
chlordan	12789-03-6	16	65	7
chlordecone (kepone)	143-50-0	0.61	2.2	0.084
chlorimuron-ethyl	90982-32-4	1 200	12 000	730
chloroacetic acid	79-11-8	120	1 200	73
2-chloroacetophenone	532-27-4	0.033	0.11	0.31
4-chloroaniline	106-47-8	240	2 500	150

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
chlorobenzoate	510-15-6	18	64	2.5
4-chlorobenzoic acid	74-11-3	12 000	100 000 ⁶	7 300
4-chlorobenzotrifluoride (p,a,a,a-tetrachlorotoluene)	5216-25-1	0.24	0.86	0.034
4-chlorobenzotrifluoride	98-56-6	1 200	12 000	730
2-chloro-1,3-butadiene	126-99-8	3.6	12	730
1-chlorobutane	109-69-3	480 ⁷	480 ⁷	15 000
1-chloro-1,1-difluoroethane (HCFC-142b)	75-68-3	340 ⁷	340 ⁷	520 000
chlorodifluoromethane	75-45-6	340 ⁷	340 ⁷	510 000
chloroethane (ethyl chloride)	75-00-3	30	65	46
chloroethene (vinyl chloride)	75-01-4	0.79	7.5	2
2-chloroethyl phosphonic acid (ethephon)	16672-87-0	310	3 100	180
chloromethane (methyl chloride)	74-87-3	47	160	950
4-chloro-2-methylaniline	95-69-2	8.4	30	1.2
chloromethyl-ethylene oxide (epichlorohydrin)	106-89-8	7.6	26	73
2-chloronaphthalene (beta-chloronaphthalene)	91-58-7	4 900	23 000	2 900
2-chloronitrobenzene	88-73-3	1.4	4.5	37
4-chloronitrobenzene	100-00-5	10	37	37
2-chloropropane	75-29-6	170	590	1 100
3-chloropropene (allyl chloride)	107-05-1	17	180	10
chlorothalonil	1897-45-6	440	1 600	61
a-chlorotoluene (benzyl chloride)	100-44-7	8.9	22	4
2-chlorotoluene	95-49-8	160	560	730
chlorpropham	101-21-3	12 000	100 000 ⁶	7 300
chlorpyrifos	2921-88-2	180	1 800	90
chlorpyrifos-methyl	5598-13-0	610	6 200	370

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
chlorsulfuron	64902-72-3	3 100	31 000	1 800
chlorthal-dimethyl (dacthal)	1861-32-1	1 500	15 000	910
chlorthiophos	60238-56-4	49	490	29
clofentezine (appollo)	74115-24-5	790	8 000	470
crotonaldehyde	123-73-9	0.053	0.11	0.35
cyanazine	21725-46-2	5.8	21	10
cyanogen	460-19-5	130	430	1 500
cyanogen bromide	506-68-3	290	970	3 300
cyanogen chloride	506-77-4	160	540	1 800
cyclohexanone	108-94-1	100 000 ⁶	100 000 ⁶	180 000
cyclohexylamine	108-91-8	12 000	100 000 ⁶	7 300
cyclonite (RDX) (hexahydro-1,3,5-trinitro-1,3,5-triazine)	121-82-4	44	160	6.1
cyfluthrin (baythroid)	68359-37-5	1 500	15 000	910
cyhalothrin (karate)	68085-85-8	310	3 100	180
cypermethrin	52315-07-8	610	6 200	370
cyromazine	66215-27-8	460	4 600	270
2,4-D (2,4-dichlorophenoxyacetic acid)	94-75-7	690	7 700	100
dacthal (chlorthal-dimethyl)	1861-32-1	610	6 200	370
dalapon (2,2-dichloropropionic acid)	75-99-0	1 800	18 000	1 100
daminozide (alar)	1596-84-5	9 200	92 000	5 500
danitol (fenpropathrin)	39515-41-8	1 500	15 000	910
2,4-DB (4-(2,4-dichlorophenoxy)butyric acid)	94-82-6	490	4 900	290
DBCМ (dibromochloromethane)	124-48-1	11	26	100
DBCP (1,2-dibromo-3-chloropropane)	96-12-8	4.6	20	0.48
DDVP (dichlorovos)	62-73-7	17	59	2.3

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
decabromodiphenyl ether	1163-19-5	610	6 200	370
demeton	8065-48-3	2.4	25	1.5
diallate	2303-16-4	80	280	11
2,4-diaminotoluene	95-80-7	1.5	5.4	0.21
2,5-diaminotoluene	95-70-5	37 000	100 000 ⁶	22 000
2,6-diaminotoluene	823-40-5	12 000	100 000 ⁶	7 300
diazinon	333-41-5	55	550	20
1,4-dibromobenzene	106-37-6	610	6 200	370
dibromochloromethane (DBCM)	124-48-1	11	26	100
1,2-dibromo-3-chloropropane (DBCP)	96-12-8	4.5	20	0.48
1,2-dibromoethane (ethylene dibromide) (EDB)	106-93-4	0.32	0.73	0.34
dibromomethane (methylene bromide)	74-95-3	67	230	370
dicamba	1918-00-9	1 800	18 000	120
3,3-dichlorobenzidine	91-94-1	11	38	1.5
4,4'-dichlorobenzophenone	90-98-2	1 800	18 000	1 100
1,4-dichloro-2-butene	764-41-0	0.079	0.18	0.072
dichlorodifluoromethane (freon 12)	75-71-8	94	310	7 300
4,4'-dichlorodiphenyl sulfone (1,1'-sulfonylbis(4-chlorobenzene))	80-07-9	390	5 100	180
1,1-dichloroethane	75-34-3	0.1 ⁸ or 5 ⁹	50	3 700
1,2-dichloroethene (cis) (1,2-dichloroethylene (cis))	156-59-2	0.1 ⁸ or 5 ⁹	50	370
1,2-dichloroethene (trans) (1,2-dichloroethylene (trans))	156-60-5	0.1 ⁸ or 5 ⁹	50	730
1,2-dichloroethylene (cis) (1,2-dichloroethene (cis))	156-59-2	0.1 ⁸ or 5 ⁹	50	370
1,2-dichloroethylene (trans) (1,2-dichloroethene (trans))	156-60-5	0.1 ⁸ or 5 ⁹	50	730
4-(2,4-dichlorophenoxy) butyric acid (2,4-DB)	94-82-6	490	4 900	290
2,4-dichlorophenoxyacetic acid (2,4-D)	94-75-7	690	7 700	100

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
1,2-dichloropropane (propylene dichloride)	78-87-5	0.1 ⁸ or 5 ⁹	50	9.9
1,3-dichloropropane	142-28-9	100	360	730
2,3-dichloropropanol	616-23-9	180	1 800	110
1,3-dichloropropene	542-75-6	0.1 ⁸ or 5 ⁹	50	6.7
2,2-dichloropropionic acid (dalapon)	75-99-0	1 800	18 000	1 100
dichlorvos (DDVP)	62-73-7	17	59	2.3
dicofof	115-32-2	11	39	1.5
dicrotophos (bidrin)	141-66-2	6.1	62	3.7
dicyclopentadiene	77-73-6	0.54	1.8	1 100
dieldrin	60-57-1	0.3	1.1	0.7
diethylene glycol, monobutyl ether (2-(2-butoxyethoxy)ethanol)	112-34-5	610	6 200	370
diethylene glycol, monomethyl ether (2-(2-ethoxyethoxy)ethanol)	111-90-0	3 700	37 000	2 200
diethyl ether (ethyl ether)	60-29-7	1 800 ⁷	1 800 ⁷	7 300
diethylformamide	617-84-5	24	250	15
di(2-ethylhexyl)adipate (dioctyl adipate)	103-23-1	4 100	14 000	560
diethyl phthalate	84-66-2	49 000	100 000 ⁶	29 000
diethylstilbestrol	56-53-1	0.001	0.0037	0.00014
difenzoquat (avenge)	43222-48-6	4 900	49 000	2 900
diflubenzuron	35367-38-5	1 200	12 000	730
diisooxonyl phthalate	28553-12-0	1 200	12 000	730
diisopropyl methylphosphonate (DIMP)	1445-75-6	4 900	49 000	2 900
dimethipin	55290-64-7	1 200	12 000	730
dimethoate	60-51-5	12	120	20
3,3'-dimethoxybenzidine	119-90-4	350	1 200	48
dimethylamine	124-40-3	0.067	0.25	0.21

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
n-n-dimethylaniline	121-69-7	120	1 200	73
2,4-dimethylaniline	95-68-1	6.5	23	0.9
3,3'-dimethylbenzidine	119-93-7	2.1	7.5	0.29
1,1-dimethyl-4,4'-bipyridinium cation (paraquat)	4685-14-7	270	2 800	10
dimethyl-1,2-dibromo-2,2-dichloroethylphosphate (naled)	300-76-5	120	1 200	73
n,n-dimethylformamide	68-12-2	6 100	62 000	3 700
1,1-dimethylhydrazine (hydrazine, dimethyl)	57-14-7	1.6	5.7	0.22
dimethylphenethylamine (1,1-dimethyl-2-phenyl-ethylamine)	122-09-8	61	620	37
2,4-dimethylphenol	105-67-9	0.1 ⁸ or 5 ⁹	10	730
2,6-dimethylphenol	576-26-1	37	370	22
3,4-dimethylphenol	95-65-8	61	620	37
1,1-dimethyl-2-phenyl-ethylamine (dimethylphenethylamine)	122-09-8	61	620	37
dimethyl phthalate	131-11-3	100 000 ⁶	100 000 ⁶	370 000
dimethyl terephthalate	120-61-6	6 100	62 000	3 700
DMMP (diisopropyl methylphosphonate)	1445-75-6	4 900	49 000	2 900
dinex (4,6-dinitro-o-cyclohexyl phenol)	131-89-5	120	1 200	73
1,2-dinitrobenzene	528-29-0	6.1	62	3.7
1,3-dinitrobenzene	99-65-0	6.1	62	3.7
1,4-dinitrobenzene	100-25-4	6.1	62	3.7
4,6-dinitro-o-cyclohexyl phenol (dinex)	131-89-5	120	1 200	73
2,4-dinitrotoluene	121-14-2	120	1 200	73
2,6-dinitrotoluene	606-20-2	61	620	37
dinoseb	88-85-7	61	620	10
diocetyl adipate (di(2-ethylhexyl)adipate)	103-23-1	4 100	14 000	560
di-n-octyl phthalate	117-84-0	2 400	25 000	1 500

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
1,4-dioxane	123-91-1	440	1 600	61
diphenamid	957-51-7	1 800	18 000	1 100
diphenylamine	122-39-4	1 500	15 000	910
n,n-diphenyl-1,4 benzenediamine (DPPD)	74-31-7	18	180	11
1,2-diphenylhydrazine	122-66-7	6.1	22	0.84
diphenyl sulfone	127-63-9	180	1 800	110
diquat	85-00-7	130	1 400	70
disulfoton	298-04-4	2.4	25	1.5
1,4-dithiane	505-29-3	610	6 200	370
diuron	330-54-1	120	1 200	150
dodine	2439-10-3	240	2 500	150
DPPD (n,n-diphenyl-1,4 benzenediamine)	74-31-7	18	180	11
dual (metolachlor)	51218-45-2	9 200	92 000	50
dysprosium	7429-91-6	7 800	100 000 ⁶	3 700
EDB (ethylene dibromide) (1,2-dibromoethane)	106-93-4	0.32	0.73	0.34
endosulfan	115-29-7	370	3 700	220
endothall	145-73-3	1 200	12 000	730
endrin	72-20-8	18	180	11
epichlorohydrin (chloromethyl-ethylene oxide)	106-89-8	7.6	26	73
1,2-epoxybutane	106-88-7	350	3 500	210
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	2104-64-5	0.61	6.2	0.37
EPTC (s-ethyl dipropylthiocarbamate)	759-94-4	1 500	15 000	910
ethenyl acetate (vinyl acetate)	108-05-4	430	1 400	37 000
ethephon (2-chloroethyl phosphonic acid)	16672-87-0	310	3 100	180
ethion	563-12-2	31	310	18

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
2-ethoxyethanol (ethylene glycol, monoethyl ether)	110-80-5	24 000	100 000 ⁶	15 000
2-(2-ethoxyethoxy)ethanol (diethylene glycol, monoethyl ether)	111-90-0	3 700	37 000	2 200
2-ethoxyethyl acetate	111-15-9	18 000	100 000 ⁶	11 000
ethoxypropanol (propylene glycol, monomethyl ether)	52125-53-8	43 000	100 000 ⁶	26 000
ethyl acetate	141-78-6	19 000	37 000 ⁷	33 000
ethyl acrylate	140-88-5	2.1	4.5	14
ethyl chloride (chloroethane)	75-00-3	30	65	46
s-ethyl dipropylthiocarbamate (EPTC)	759-94-4	1 500	15 000	910
ethylene cyanohydrin	109-78-4	18 000	100 000 ⁶	11 000
ethylene diamine	107-15-3	5 500	55 000	3 300
ethylene dibromide (EDB) (1,2-dibromomethane)	106-93-4	0.32	0.73	0.34
ethylene glycol, monobutyl ether (2-butoxyethanol)	111-76-2	31 000	100 000 ⁶	18 000
ethylene glycol, monoethyl ether (2-ethoxyethanol)	110-80-5	24 000	100 000 ⁶	15 000
ethylene glycol, monomethyl ether (2-methoxyethanol)	109-86-4	61	620	37
ethylene oxide	75-21-8	1.4	3.4	0.66
ethylene thiourea (ETU) (2-imidazolidinethione)	96-45-7	44	160	6.1
ethyl ether (diethyl ether)	60-29-7	1 800 ⁷	1 800 ⁷	7 300
ethyl methacrylate (ethyl 2-methyl-2-propenoate)	97-63-2	140 ⁷	140 ⁷	3 300
ethyl 2-methyl-2-propenoate (ethyl methacrylate)	97-63-2	140 ⁷	140 ⁷	3 300
ethyl p-nitrophenyl phenylphosphorothioate (EPN)	2104-64-5	0.61	6.2	0.37
ethylphthalyl ethyl glycolate	84-72-0	100 000 ⁶	100 000 ⁶	110 000
ETU (ethylene thiourea) (2-imidazolidinethione)	96-45-7	44	160	6.1
express (tribenuron methyl)	101200-48-0	490	4 900	290
fenamiphos	22224-92-6	15	150	9.1

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
fenchlorphos (ronnel)	299-84-3	3 100	31 000	1 800
fenpropathrin (danitol)	39515-41-8	1 500	15 000	910
fenvalerate (pydrin)	51630-58-1	1 500	15 000	910
fluometuron	2164-17-2	790	8 000	470
fluridone	59756-60-4	4 900	49 000	2 900
flurprimidol	56425-91-3	1 200	12 000	730
flusilazole (nuStar)	85509-19-9	43	430	26
flutolanil	66332-96-5	3 700	37 000	2 200
fluvalinat	69409-94-5	610	6 200	370
folpet	133-07-3	1 400	4 900	190
fomesafen	72178-02-0	26	91	3.5
fonofos	944-22-9	120	1 200	73
formaldehyde	50-00-0	9 200	100 000	5 500
formic acid	64-18-6	100 000 ⁶	100 000 ⁶	73 000
fosetyl-al	39148-24-8	100 000 ⁶	100 000 ⁶	110 000
freon 11 (trichlorofluoromethane)	75-69-4	390	2 000	11 000
freon 12 (dichlorodifluoromethane)	75-71-8	94	310	7 300
freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)	76-13-1	5 600 ⁷	5 600 ⁷	1 100 000
furazolidone	67-45-8	1.3	4.5	0.18
furfural	98-01-1	180	1 800	110
furtum	531-82-8	0.097	0.34	0.013
furmecyclox	60568-05-0	160	570	22
glufosinate-ammonium	77182-82-2	24	250	15
glycidaldehyde	765-34-4	24	250	15
glyphosate	1071-83-6	6 100	62 000	280

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
haloxyfop-methyl	69806-40-2	3.1	31	1.8
harmony (thifensulfuron methyl)	79277-27-3	790	8 000	470
HCFC-142b (1-chloro-1,1-difluoroethane)	75-68-3	340 ⁷	340 ⁷	520 000
HCH - (alpha) (hexachlorocyclohexane)	319-84-6	0.9	3.6	0.11
HCH - (beta) (hexachlorocyclohexane)	319-85-7	3.2	13	0.37
HCH - (gamma) (hexachlorocyclohexane) (lindane)	58-89-9	0.01 ⁸ or 4.4 ⁹	17	4
heptachlor	76-44-8	1.1	3.8	3
heptachlor epoxide	1024-57-3	0.53	1.9	3
hexabromobenzene	87-82-1	120	1 200	73
hexachloro-1,3-butadiene	87-68-3	62	220	8.6
hexachlorocyclohexane (HCH - (alpha))	319-84-6	0.9	3.6	0.11
hexachlorocyclohexane (HCH - (beta))	319-85-7	3.2	13	0.37
hexachlorocyclohexane (HCH - (gamma)) (lindane)	58-89-9	0.01 ⁸ or 4.4 ⁹	17	4
hexachlorocyclopentadiene	77-47-4	370	3 700	220
hexachloroethane	67-72-1	350	1 200	48
hexachlorophene	70-30-4	18	180	11
hexahydro-1,3,5-trinitro-1,3,5-triazine (cyclonite) (RDX)	121-82-4	44	160	6.1
1,6-hexamethylene diisocyanate	822-06-0	0.17	1.8	0.1
hexazinone	51235-04-2	2 000	20 000	1 200
hexythiazox (savey)	78587-05-0	1 500	15 000	910
HMX (octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine)	2691-41-0	3 100	31 000	1 800
hydramethylnon (amdro)	67485-29-4	18	180	11
hydrazine	302-01-2	1.6	5.7	0.22
hydrazine, dimethyl (1,1-dimethylhydrazine)	57-14-7	1.6	5.7	0.22
hydrazine, monomethyl (methylhydrazine)	60-34-4	1.6	5.7	0.22

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
hydrazine sulfate	10034-93-2	1.6	5.7	0.22
hydroquinone (1,4-benzenediol)	123-31-9	87	310	1 500
imazalil	35554-44-0	790	8 000	470
imazaquin	81335-37-7	15 000	100 000 ⁶	9 100
imazethapyr (pursuit)	81335-77-5	15 000	100 000 ⁶	9 100
2-imidazolidinethione (ethylene thiourea) (ETU)	96-45-7	44	160	6.1
iprodione	36734-19-7	2 400	25 000	1 500
isobutanol	78-83-1	13 000	40 000 ⁷	11 000
isophorone	78-59-1	5 100	5 100	710
isopropalin	33820-53-0	920	9 200	550
isopropyl methyl phosphonic acid	1832-54-8	6 100	62 000	3 700
isoxaben	82558-50-7	3 100	31 000	1 800
karate (cyhalothrin)	68085-85-8	310	3 100	180
kepone (chlordecone)	143-50-0	0.61	2.2	0.084
lactofen	77501-63-4	120	1 200	73
lindane (HCH-gamma) (hexachlorocyclohexane)	58-89-9	0.01 ⁸ or 4.4 ⁹	17	4
linuron	330-55-2	120	1 200	73
lithium	7439-93-2	1 600	20 000	730
londax (bensulfuron-methyl)	83055-99-6	12 000	100 000 ⁶	7 300
malathion	121-75-5	1 200	12 000	190
maleic anhydride	108-31-6	6 100	62 000	3 700
maleic hydrazide	123-33-1	1 700	2 400 ⁷	18 000
malonitrile	109-77-3	6.1	62	3.7
mancozeb	8018-01-7	1 800	18 000	1 100
maneb	12427-38-2	81	290	11

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
manganese	7439-96-5	1 800	19 000	50
MCPA (2-methyl-4-chlorophenoxyacetic acid)	94-74-6	31	310	18
MCPB (4-(2-methyl-4-chlorophenoxy)butyric acid)	94-81-5	610	6 200	370
MCPP (2-(2-methyl-4-chlorophenoxy)propionic acid)	93-65-2	61	620	37
MDI (4,4'-methylene diphenyl diisocyanate)	101-68-8	10	100	6.2
mecoprop-P (2-(2-methyl-1,4-chlorophenoxy)propionic acid)	16484-77-8	61	620	37
mephosfolan	950-10-7	5.5	55	3.3
mepiquat chloride	24307-26-4	1 800	18 000	1 100
2-mercaptobenzothiazole	149-30-4	170	590	23
merphos	150-50-5	1.8	18	1.1
merphos oxide (tribufos)	78-48-8	1.8	18	1.1
metalaxyl	57837-19-1	3 700	37 000	2 200
methacrylonitrile (2-methylprop-2-enenitrile)	126-98-7	2.1	8.4	3.7
methamidophos	10265-92-6	3.1	31	1.8
methanethiol (methyl mercaptan)	74-93-1	35	350	21
methanol	67-56-1	31 000	100 000 ⁶	18 000
methidathion	950-37-8	61	620	37
methomyl	16752-77-5	44	150	910
methoxychlor	72-43-5	310	3 100	900
2-methoxyethanol (ethylene glycol, monomethyl ether)	109-86-4	61	620	37
2-methoxyethyl acetate	110-49-6	120	1 200	73
2-methoxy-5-nitroaniline	99-59-2	110	370	15
1-methoxy-2-propanol (propylene glycol, monomethyl ether)	107-98-2	43 000	100 000 ⁶	26 000
methyl acetate	79-20-9	22 000	92 000	37 000
methyl acrylate	96-33-3	70	230	1 100

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
2-methylaniline (o-toluidine)	95-53-4	20	72	2.8
4-methylaniline (p-toluidine)	106-49-0	26	91	3.5
methyl bromide (bromomethane)	74-83-9	3.9	13	51
methyl chloride (chloromethane)	74-87-3	47	160	950
2-methyl-4-chlorophenoxyacetic acid (MCPA)	94-74-6	31	310	18
4-(2-methyl-4-chlorophenoxy)butyric acid (MCPB)	94-81-5	610	6 200	370
2-(2-methyl-4-chlorophenoxy)propionic acid (MCPP)	93-65-2	61	620	37
2-(2-methyl-1,4-chlorophenoxy)propionic acid (mecoprop-P)	16484-77-8	61	620	37
2-methyl-4,6-dinitrophenol	534-52-1	0.1 ⁸ or 1 ⁹	10	3.7
4,4'-methylenedibenzeneamine (4,4'-methylenedianiline)	101-77-9	19	69	2.7
4,4'-methylenebis(2-chloroaniline)	101-14-4	37	130	5.2
4,4'-methylenebis(n,n'-dimethyl)aniline	101-61-1	110	370	15
methylene bromide (dibromomethane)	74-95-3	67	230	370
4,4'-methylenedianiline (4,4'-methylenedibenzeneamine)	101-77-9	19	69	2.7
4,4'-methylene diisocyanate (MDI)	101-68-8	10	100	6.2
methyl ethyl ketone (2-butanone)	78-93-3	22 000	110 000	22 000
methylhydrazine (hydrazine, monomethyl)	60-34-4	1.6	5.7	0.22
methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	5 300	47 000	2 900
methyl mercaptan (methanethiol)	74-93-1	35	350	21
methyl methacrylate	80-62-6	2 200	2 700	51 000
2-methyl-5-nitroaniline (5-nitro-o-toluidine)	99-55-8	150	520	20
methyl parathion (parathion-methyl)	298-00-0	15	150	9.1
4-methyl-2-pentanone (methyl isobutyl ketone)	108-10-1	5 300	47 000	2 900
methyl phosphonic acid	993-13-5	1 200	12 000	730
2-methylprop-2-enitrile (methacrylonitrile)	126-98-7	2.1	8.4	3.7

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
methyl styrene (alpha)	98-83-9	680 ⁷	680 ⁷	2 600
methyl tert-butyl ether (MTBE)	1634-04-4	320	700	15
metolachlor (dual)	51218-45-2	9 200	92 000	50
metribuzin	21087-64-9	1 500	15 000	80
met sulfuron-methyl (ally)	74223-64-6	15 000	100 000 ⁶	9 100
mirex	2385-85-5	2.7	9.6	0.37
molinate	2212-67-1	120	1 200	73
MTBE (methyl tert-butyl ether)	1634-04-4	320	700	15
myclobutanil (systhane)	88671-89-0	1 500	15 000	910
naled (dimethyl-1,2-dibromo-2,2-dichloroethylphosphate)	300-76-5	120	1 200	73
napropamide	15299-99-7	6 100	62 000	3 700
2-nitroaniline	88-74-4	180	1 800	110
3-nitroaniline	99-09-2	18	820	32
4-nitroaniline	100-01-6	230	820	32
nitrobenzene	98-95-3	20	100	18
nitrofurantoin	67-20-9	4 300	43 000	2 600
nitrofurazone	59-87-0	3.2	11	0.45
nitroglycerin	55-63-0	350	1 200	48
nitroguanidine	556-88-7	6 100	62 000	3 700
n-nitrosodi-n-butylamine	924-16-3	0.24	0.58	0.12
n-nitrosodiethanolamine	1116-54-7	1.7	6.2	0.24
n-nitrosodiethylamine	55-18-5	0.032	0.11	0.0045
n-nitrosodimethylamine	62-75-9	0.095	0.34	0.013
n-nitrosodiphenylamine	86-30-6	990	3 500	140
n-nitrosodi-n-propylamine	621-64-7	0.69	2.5	0.096

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
n-nitroso-n-methylethylamine	10595-95-6	0.22	0.78	0.031
n-nitrosopyrrolidine	930-55-2	2.3	8.2	0.32
2-nitrotoluene	88-72-2	8.8	22	2.9
3-nitrotoluene	99-08-1	730	1 000 ⁷	730
4-nitrotoluene	99-99-0	120	300	40
5-nitro-o-toluidine (2-methyl-5-nitroaniline)	99-55-8	150	520	20
norflurazon	27314-13-2	2 400	25 000	1 500
nuStar (flusilazole)	85509-19-9	43	430	26
octabromodiphenyl ether	32536-52-0	180	1 800	110
octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	3 100	31 000	1 800
octamethylpyrophosphoramide (schradan)	152-16-9	120	1 200	73
oryzalin	19044-88-3	3 100	31 000	1 800
oxadiazon	19666-30-9	310	3 100	180
oxamyl	23135-22-0	1 500	15 000	910
oxyfluorfen	42874-03-3	180	1 800	110
paclobutrazol	76738-62-0	790	8 000	470
paraquat (1,1'-dimethyl-4,4'-bipyridinium cation)	4685-14-7	270	2 800	10
parathion	56-38-2	370	3 700	50
parathion-methyl (methyl parathion)	298-00-0	15	150	9.1
PBBs (polybrominated biphenyls)	67774-32-7	0.55	1.9	0.076
PCTs (polychlorinated terphenyls)	61788-33-8	1.1	3.8	0.15
pebulate (propyl n-ethyl-n butylthiocarbamate)	1114-71-2	3 100	31 000	1 800
pendimethalin	40487-42-1	2 400	25 000	1 500
1,2,3,4,5-pentabromo-6-chlorocyclohexane	87-84-3	210	750	29

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
pentabromodiphenyl ether	32534-81-9	120	1 200	73
pentachloronitrobenzene (quintozene)	82-68-8	19	66	2.6
perchlorate	7601-90-3	7.8	100	3.7
permethrin	52645-53-1	3 100	31 000	1 800
phenmedipham	13684-63-4	15 000	100 000 ⁶	9 100
phenol	108-95-2	0.1 ⁸ or 1 ⁹	10	11 000
phenothiazine	92-84-2	120	1 200	73
m-phenylenediamine	108-45-2	370	3 700	220
o-phenylenediamine	95-54-5	100	370	14
p-phenylenediamine	106-50-3	12 000	100 000 ⁶	6 900
phenylmercuric acetate	62-38-4	4.9	490	2.9
2-phenylphenol	90-43-7	2 500	8 900	350
phorate	298-02-2	12	120	2
phosmet	732-11-6	1 200	12 000	730
phosphine	7803-51-2	18	180	11
p-phthalic acid (terephthalic acid)	100-21-0	61 000	100 000 ⁶	37 000
phthalic anhydride	85-44-9	100 000 ⁶	100 000 ⁶	73 000
picloram	1918-02-1	4 300	43 000	190
pirimiphos-methyl	29232-93-7	610	6 200	370
polybrominated biphenyls (PBBs)	67774-32-7	0.55	1.9	0.076
polychlorinated terphenyls (PCTs)	61788-33-8	1.1	3.8	0.15
prochloraz	67747-09-5	32	110	4.5
profluralin	26399-36-0	370	3 700	220
prometon	1610-18-0	920	9 200	550
prometryn	7287-19-6	240	2 500	150

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
pronamide (propyzamide)	23950-58-5	4 600	46 000	2 700
propachlor	1918-16-7	790	8 000	470
1,2-propanediol (propylene glycol)	57-55-6	30 000	100 000 ⁶	18 000
propanil	709-98-8	310	3 100	180
propargite	2312-35-8	1 200	12 000	730
propargyl alcohol (2-propyn-1-ol)	107-19-7	120	1 200	73
propazine	139-40-2	1 200	12 000	730
2-propenal (acrolein)	107-02-8	0.1	0.34	18
2-propeneamide (acrylamide)	79-06-1	1.1	3.8	0.15
2-propenenitrile (acrylonitrile)	107-13-1	2.1	4.9	1.2
2-propenoic acid (acrylic acid)	79-10-7	29 000	100 000 ⁶	18 000
2-propen-1-ol (allyl alcohol)	107-18-6	310	3 100	180
propham	122-42-9	1 200	12 000	730
propiconazole	60207-90-1	790	8 000	470
propoxur (baygon)	114-26-1	240	2 500	150
propylene dichloride (1,2-dichloropropane)	78-87-5	0.1 ⁸ or 5 ⁹	50	9.9
propylene glycol (1,2-propanediol)	57-55-6	30 000	100 000 ⁶	18 000
propylene glycol, monoethyl ether (ethoxypropanol)	52125-53-8	43 000	100 000 ⁶	26 000
propylene glycol, monomethyl ether (1-methoxy-2-propanol)	107-98-2	43 000	100 000 ⁶	26 000
propylene oxide	75-56-9	19	66	2.8
propyl n-ethyl-n-butylthiocarbamate (pebulate)	1114-71-2	3 100	31 000	1 800
2-propyn-1-ol (propargyl alcohol)	107-19-7	120	1 200	73
propyzamide (pronamide)	23950-58-5	4 600	46 000	2 700
pursuit (imazethapyr)	81335-77-5	15 000	100 000 ⁶	9 100
pydrin (fenvalerate)	51630-58-1	1 500	15 000	910

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
pyridine	110-86-1	61	620	37
quinalphos	13593-03-8	31	310	18
quintozene (pentachloronitrobenzene)	82-68-8	19	66	2.6
quizalofop (assure)	76578-12-6	550	5 500	330
RDX (cyclonite) (hexahydro-1,3,5-trinitro-1,3,5-triazine)	121-82-4	44	160	6.1
resmethrin	10453-86-8	1 800	18 000	1 100
ronnel (fenchlorphos)	299-84-3	3 100	31 000	1 800
rotenone	83-79-4	240	2 500	150
savey (hexythiazox)	78587-05-0	1 500	15 000	910
schradan (octamethylpyrophosphoramid)	152-16-9	120	1 200	73
selenious acid	7783-00-8	310	3 100	180
selenourea	630-10-4	310	3 100	180
sethoxydim	74051-80-2	5 500	55 000	3 300
s-ethyl dipropylthiocarbamate (EPTC)	759-94-4	1 500	15 000	910
silvex (2-(2,4,5-trichlorophenoxy)propionic acid) (2,4,5-TP)	93-72-1	490	4 900	290
simazine	122-34-9	41	140	10
sodium diethylthiocarbamate	148-18-5	18	64	2.5
sodium fluoroacetate	62-74-8	1.2	12	0.73
sodium metavanadate	13718-26-8	61	620	37
strontium, stable	7440-24-6	47 000	100 000 ⁶	22 000
strychnine	57-24-9	18	180	11
1,1'-sulfonyl bis (4-chlorobenzene) (4,4'-dichlorodiphenylsulfone)	80-07-9	390	5 100	180
sulfotep (tetraethylthiopyrophosphate)	3689-24-5	31	310	18
systhane (myclobutanil)	88671-89-0	1 500	15 000	910
2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	93-76-5	610	6 200	20

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
talstar (biphenthrin)	82657-04-3	920	9 200	550
TBTO (tributyltin oxide)	56-35-9	18	180	11
tebuthiuron	34014-18-1	4 300	43 000	2 600
temephos	3383-96-8	1 200	12 000	280
terbacil	5902-51-2	790	8 000	470
terbufos	13071-79-9	1.5	15	1
terbutryn	886-50-0	61	620	37
terephthalic acid (p-phthalic acid)	100-21-0	61 000	100 000 ⁶	37 000
1,2,4,5-tetrachlorobenzene	95-94-3	0.05 ⁸ or 2 ⁹	10	11
1,1,1,2-tetrachloroethane	630-20-6	32	73	26
1,1,2,2-tetrachloroethane	79-34-5	4.1	9.3	3.4
p,a,a,t-tetrachlorotoluene (4-chlorobenzotrlichloride)	5216-25-1	0.24	0.86	0.034
tetrachlorovinphos	961-11-5	200	720	28
tetraethyldithiopyrophosphate (sulfotep)	3689-24-5	31	310	18
tetrahydrofuran	109-99-9	94	210	88
tetramethylthiuram disulfide (thiram)	137-26-8	310	3 100	180
tetryl (trinitrophenyl-n-methylnitramine)	479-45-8	610	6 200	370
thifensulfuron methyl (harmony)	79277-27-3	790	8 000	470
thiobencarb	28249-77-6	610	6 200	370
thiocyanate	302-04-5	3 100	100 000 ⁶	1 800
thiofanox	39196-18-4	18	180	11
thiophanate-methyl	23564-05-8	4 900	49 000	2 900
thiram (tetramethylthiuram disulfide)	137-26-8	310	3 100	180
tin	7440-31-5	5 ⁸ or 50 ⁹	300	22 000

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
TMAN (trimellitic anhydride) (1,2,4-benzenetricarboxylic anhydride)	552-30-7	8.6	86	5.1
TNT (2,4,6-trinitrotoluene)	118-96-7	160	570	22
toluene-2,4-diamine	95-80-7	1.5	5.4	0.21
toluene-2,5-diamine	95-70-5	37 000	100 000 ⁶	22 000
toluene-2,6-diamine	823-40-5	12 000	100 000 ⁶	7 300
o-toluidine(2-methylaniline)	95-53-4	20	72	2.8
p-toluidine (4-methylaniline)	106-49-0	26	91	3.5
toxaphene	8001-35-2	4.4	16	0.61
2,4,5-TP (2-(2,4,5-trichlorophenoxy) propionic acid) (silvex)	93-72-1	490	4 900	290
tralomethrin	66841-25-6	460	4 600	270
triadimefon (bayleton)	43121-43-3	1 800	18 000	1 100
triallate	2303-17-5	790	8 000	230
triasulfuron	82097-50-5	610	6 200	370
tribenuron methyl (express)	101200-48-0	490	4 900	290
1,2,4-tribromobenzene	615-54-3	310	3 100	180
tribromomethane (bromoform)	75-25-2	620	2 200	100
tribufos (merphos oxide)	78-48-8	1.8	18	1.1
tributyl phosphate	126-73-8	530	1 900	73
tributyltin oxide (TBTO)	56-35-9	18	180	11
2,4,6-trichloroaniline	634-93-5	140	510	20
1,1,1-trichloroethane	71-55-6	0.1 ⁸ or 5 ⁹	50	10 000
1,1,2-trichloroethane	79-00-5	0.1 ⁸ or 5 ⁹	50	12
trichlorofluoromethane (freon 11)	75-69-4	390	2 000	11 000
2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	93-76-5	610	6 200	20

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
2-(2,4,5-trichlorophenoxy)propionic acid (2,4,5-TP) (silvex)	93-72-1	490	4 900	290
1,1,2-trichloropropane	598-77-6	71	270	180
1,2,3-trichloropropane	96-18-4	0.34	0.76	0.34
1,2,3-trichloropropene	96-19-5	5.2	17	370
a,a,a-trichlorotoluene (benzotrichloride)	98-07-7	0.37	1.3	0.052
1,1,2-trichloro-1,2,2-trifluoroethane (freon 113)	76-13-1	5 600 ⁷	5 600 ⁷	1 100 000
tridiphane	58138-08-2	180	1 800	110
triethylamine	121-44-8	23	86	73
trifluralin	1582-09-8	630	2 200	45
trimellitic anhydride (TMAN) (1,2,4-benzenetricarboxylic anhydride)	552-30-7	8.6	86	5.1
trimethyl phosphate	512-56-1	130	470	18
1,3,5-trinitrobenzene	99-35-4	1 800	18 000	1 100
trinitrophenyl-n-methylnitramine (tetryl)	479-45-8	610	6 200	370
2,4,6-trinitrotoluene (TNT)	118-96-7	160	570	22
triphenylphosphine oxide	791-28-6	1 200	12 000	730
tris(2-chloroethyl) phosphate	115-96-8	350	1 200	48
tris(2-ethylhexyl) phosphate	78-42-2	1 500	5 400	210
uranium	7440-61-1	16	200	20
vernem (vernolate)	1929-77-7	61	620	37
vernolate (vernam)	1929-77-7	61	620	37
vinclozolin	50471-44-8	1 500	15 000	910
vinyl acetate (ethenyl acetate)	108-05-4	430	1 400	37 000
vinyl bromide (bromoethene)	593-60-2	1.9	4.2	6.1
vinyl chloride (chloroethene)	75-01-4	0.79	7.5	2

GENERIC NUMERICAL SOIL^{1,2} AND WATER^{3,4} STANDARDS⁵

COLUMN I Substance	COLUMN II Chemical Abstract Service Number (CAS)	COLUMN III Agricultural, Urban Park, Residential Soil Standard	COLUMN IV Commercial, Industrial Soil Standard	COLUMN V Drinking Water (DW) Water Standard
warfarin	81-81-2	18	180	11
zinc phosphide	1314-84-7	23	310	11
zineb	12122-67-7	3 100	31 000	1 800

Footnotes

- 1 All values in µg/g unless otherwise stated. Substances must be analyzed using methods specified in a director's protocol or alternate methods acceptable to a director.
- 2 Soil must be remediated to the applicable land use soil standard for the substance.
- 3 All values in µg/L unless otherwise stated. Substances must be analyzed using methods specified in a director's protocol or alternate methods acceptable to a director.
- 4 Water must be remediated to the applicable water use standard for the substance.
- 5 Soil and water standards of this schedule are specific to human health only. It is the responsibility of the responsible person for the site to ensure that use of the soil or water standards of this schedule do not constitute a significant risk or hazard to ecological health.
- 6 Standard is based on US Environmental Protection Agency Region 9 ceiling limit for the substance in soil or water.
- 7 Standard is based on US Environmental Protection Agency Region 9 saturation limit for the substance in soil or water.
- 8 Standard is specific to agricultural land use.
- 9 Standard is specific to residential and urban park land uses.

SCHEDULE 11

GENERIC NUMERICAL VAPOUR STANDARDS^{1,2,3,4}

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V
Substance	Chemical Abstract Service Number (CAS)	Agricultural, Urban Park, Residential Use Standard ⁵	Commercial Use Standard ⁶	Industrial Use Standard ⁷
acetaldehyde	75-07-0	4.5	15	40
acetone	67-64-1	20	60	200
acetone cyanohydrin	75-86-5	60	200	550
acetonitrile	75-05-8	60	200	550
acrolein (2-propenal) ⁸	107-02-8	2	2	2
acrylonitrile (2-propenenitrile) ⁸	107-13-1	1.5	1.5	1.5
allyl chloride (3-chloropropene)	107-05-1	1	3	9
ammonia	7664-41-7	100	300	900
BDCM (bromodichloromethane) ⁸	75-27-4	1	2	6.5
benzene	71-43-2	1.5	4	10
benzotrichloride (a,a,a-trichlorotoluene) ⁸	98-07-7	0.2	0.2	0.2
benzyl chloride (a-chlorotoluene)	100-44-7	5	15	45
bis(2-chloroethyl) ether ⁸	111-44-4	2	2	2
bis(2-chloroisopropyl) ether	39638-32-9	80	250	700
bis(2-chloromethyl) ether ⁸	542-88-1	1	1	1
bis(2-chloro-1-methylethyl) ether	108-60-1	1	3	9
bromobenzene	108-86-1	10	30	90
bromodichloromethane (BDCM) ⁸	75-27-4	1	2	6.5
bromoethene (vinyl bromide) ⁸	593-60-2	1	1	3
bromoform (tribromomethane)	75-25-2	9	30	85
bromomethane (methyl bromide)	74-83-9	5	15	45
1,3-butadiene	106-99-0	2	6	20
2-butanone (methyl ethyl ketone)	78-93-3	5 000	15 000	45 000
carbon disulfide	75-15-0	700	2 000	6 500
carbon tetrachloride (tetrachloromethane)	56-23-5	0.65	2	6
chlorine ⁸	7782-50-5	20	20	20
chlorobenzene (monochlorobenzene)	108-90-7	50	150	450
4-chlorobenzotrifluoride	98-56-6	50	150	550
2-chloro-1,3-butadiene	126-99-8	7	20	65
1-chlorobutane	109-69-3	1 000	3 000	10 000

GENERIC NUMERICAL VAPOUR STANDARDS^{1,2,3,4}

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V
Substance	Chemical Abstract Service Number (CAS)	Agricultural, Urban Park, Residential Use Standard⁵	Commercial Use Standard⁶	Industrial Use Standard⁷
1-chloro-1,1-difluoroethane (HCFC-142b)	75-68-3	50 000	150 000	450 000
chlorodifluoromethane	75-45-6	50 000	150 000	450 000
chloroethane (ethyl chloride)	75-00-3	10 000	30 000	90 000
chloroethene (vinyl chloride)	75-01-4	1	3.5	10
chloroform (trichloromethane) ⁸	67-66-3	1	1.5	4
chloromethane (methyl chloride)	74-87-3	5.5	15	50
chloromethyl-ethylene oxide (epichlorohydrin)	106-89-8	8.5	25	75
4-chloronitrobenzene	100-00-5	20	60	200
2-chlorophenol (monochlorophenol)	95-57-8	10	30	90
2-chloropropane	75-29-6	100	300	1 000
3-chloropropene (allyl chloride)	107-05-1	1	3	9
a-chlorotoluene (benzyl chloride)	100-44-7	5	15	50
2-chlorotoluene	95-49-8	40	100	350
crotonaldehyde ⁸	123-73-9	1.5	1.5	1.5
cumene (isopropylbenzene)	98-82-8	400	1 000	4 000
cyanide (hydrogen cyanide)	74-90-8	3	9	30
cyanogen	460-19-5	80	250	700
cyanogen bromide	506-68-3	400	1 000	3 500
cyanogen chloride	506-77-4	200	650	2 000
DBCM (dibromochloromethane)	124-48-1	40	100	350
DBCP (1,2-dibromo-3-chloropropane)	96-12-8	15	50	150
n-decane	124-18-5	2 500	8 000	25 000
1,4-dibromobenzene	106-37-6	25	80	300
1,2-dibromoethane (ethylene dibromide) (EDB) ⁸	106-93-4	1	1	1
dibromochloromethane (DBCM)	124-48-1	40	100	350
1,2-dibromo-3-chloropropane (DBCP)	96-12-8	15	50	150
dibromomethane (methylene bromide)	74-95-3	5	15	45
1,2-dichlorobenzene	95-50-1	200	600	2 000
1,3-dichlorobenzene	541-73-1	80	250	850
1,4-dichlorobenzene	106-46-7	800	2 500	7 000
1,4-dichloro-2-butene ^{8,9}	764-41-0	0.4	0.4	0.4

GENERIC NUMERICAL VAPOUR STANDARDS^{1,2,3,4}

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V
Substance	Chemical Abstract Service Number (CAS)	Agricultural, Urban Park, Residential Use Standard⁵	Commercial Use Standard⁶	Industrial Use Standard⁷
dichlorodifluoromethane (Freon 12)	75-71-8	200	600	2 000
1,1-dichloroethane	75-34-3	500	1 500	4 500
1,2-dichloroethane	107-06-2	0.4	1	3.5
1,1-dichloroethene (1,1-dichloroethylene) ⁸	75-35-4	1	1	2
1,2-dichloroethene, cis (1,2-dichloroethylene, cis)	156-59-2	20	60	200
1,2-dichloroethene, trans (1,2-dichloroethylene, trans)	156-60-5	60	200	550
1,1-dichloroethylene (1,1-dichloroethene) ⁸	75-35-4	1	1	2
1,2-dichloroethylene, cis (1,2-dichloroethene, cis)	156-59-2	20	60	200
1,2-dichloroethylene, trans (1,2-dichloroethene, trans)	156-60-5	60	200	550
dichloromethane (methylene chloride)	75-09-2	20	65	200
1,2-dichloropropane (propylene dichloride)	78-87-5	0.65	2	6
1,3-dichloropropane	142-28-9	50	150	550
1,3-dichloropropene	542-75-6	2.5	7.5	25
dicyclopentadiene	77-73-6	7	20	65
diethyl ether (ethyl ether)	60-29-7	400	1 000	3 500
diisopropyl methylphosphonate (DIMP)	1445-75-6	200	650	2 000
dimethylamine ⁸	124-40-3	200	200	200
n-n-dimethylaniline	121-69-7	5	15	55
DIMP (diisopropyl methylphosphonate)	1445-75-6	200	650	2 000
EDB (ethylene dibromide) (1,2-dibromoethane) ⁸	106-93-4	1	1	1
epichlorohydrin (chloromethyl-ethylene oxide)	106-89-8	8.5	25	75
1,2-epoxybutane	106-88-7	20	60	200
ethenyl acetate (vinyl acetate)	108-05-4	200	600	2 000
ethyl acetate	141-78-6	2 000	5 500	15 000
ethyl acrylate	140-88-5	7	20	65
ethylbenzene	100-41-4	1 000	3 000	9 000
ethyl chloride (chloroethane)	75-00-3	10 000	30 000	90 000
ethyl ether (diethyl ether)	60-29-7	400	1 000	3 500

GENERIC NUMERICAL VAPOUR STANDARDS^{1,2,3,4}

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V
Substance	Chemical Abstract Service Number (CAS)	Agricultural, Urban Park, Residential Use Standard⁵	Commercial Use Standard⁶	Industrial Use Standard⁷
ethyl methacrylate (ethyl 2-methyl-2-propenoate)	97-63-2	200	550	1 500
ethyl 2-methyl-2-propenoate (ethyl methacrylate)	97-63-2	200	550	1 500
ethylene dibromide (EDB) (1,2-dibromoethane) ⁸	106-93-4	1	1	1
ethylene oxide ⁸	75-21-8	10	10	10
Freon 11 (trichlorofluoromethane)	75-69-4	700	2 000	6 500
Freon 12 (dichlorodifluoromethane)	75-71-8	200	600	2 000
Freon 113 (1,2,2-trichloro-1,2,2-trifluoroethane)	76-13-1	30 000	90 000	275 000
furan	110-00-9	2	6	20
HCFC-142b (1-chloro-1,1-difluoroethane)	75-68-3	50 000	150 000	450 000
1,3-hexachlorobutadiene ⁸	87-68-3	2	2	4
hexachlorocyclopentadiene ⁸	77-47-4	2	2	2
hexachloroethane	67-72-1	2.5	10	25
n-hexane	110-54-3	700	2 000	6 500
hydrogen cyanide (cyanide)	74-90-8	3	9	30
isopropylbenzene (cumene)	98-82-8	400	1 000	4 000
methacrylonitrile (2-methylprop-2-enenitrile) ⁸	126-98-7	10	10	10
methanethiol (methyl mercaptan)	74-93-1	2	6	20
methyl acetate	79-20-9	2 000	6 000	20 000
methyl acrylate	96-33-3	60	200	550
methyl bromide (bromomethane)	74-83-9	5	15	45
methyl chloride (chloromethane)	74-87-3	5.5	15	50
methylcyclohexane	108-87-2	3 000	9 000	27 000
methylene bromide (dibromomethane)	74-95-3	5	15	45
methylene chloride (dichloromethane)	75-09-2	20	65	200
methyl ethyl ketone (2-butanone)	78-93-3	5 000	15 000	45 000
methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	3 000	9 000	27 000
methyl mercaptan (methanethiol)	74-93-1	2	6	20
methyl methacrylate	80-62-6	700	2 000	6 500

GENERIC NUMERICAL VAPOUR STANDARDS^{1,2,3,4}

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V
Substance	Chemical Abstract Service Number (CAS)	Agricultural, Urban Park, Residential Use Standard⁵	Commercial Use Standard⁶	Industrial Use Standard⁷
4-methyl-2-pentanone (methyl isobutyl ketone)	108-10-1	3 000	9 000	27 000
1-methyl-1-phenylethylene (a-methylstyrene)	98-83-9	200	550	2 000
2-methylprop-2-enenitrile (methacrylonitrile) ⁸	126-98-7	10	10	10
a-methylstyrene (1-methyl-1-phenylethylene)	98-83-9	200	550	2 000
methyl styrene, mixture (vinyl toluene) ^{8,10}	25013-15-4	40	100	350
methyl tert-butyl ether (MTBE)	1634-04-4	3 000	9 000	27 000
monochlorobenzene (chlorobenzene)	108-90-7	50	150	450
monochlorophenol (2-chlorophenol)	95-57-8	10	30	90
MTBE (methyl tert-butyl ether)	1634-04-4	3 000	9 000	27 000
naphthalene	91-20-3	3	9	25
nitrobenzene	98-95-3	2	6	20
2-nitrotoluene	88-72-2	2.5	7.5	25
PCE (tetrachloroethylene) (PERC)	127-18-4	600	2 000	5 500
PERC (tetrachloroethylene) (PCE)	127-18-4	600	2 000	5 500
phosphine ⁸	7803-51-2	10	10	10
2-propenal (acrolein) ⁸	107-02-8	2	2	2
2-propenenitrile (acrylonitrile) ⁸	107-13-1	1.5	1.5	1.5
propylene dichloride (1,2-dichloropropane)	78-87-5	0.65	2	6
propylene oxide	75-56-9	2.5	8	25
pyridine	110-86-1	2.5	8	30
styrene	100-42-5	1 000	3 000	9 000
TCE (trichloroethylene) ⁸	79-01-6	0.5	0.5	1
1,1,1,2-tetrachloroethane	630-20-6	1.5	4	10
1,1,2,2-tetrachloroethane ⁸	79-34-5	1	1	1.5
tetrachloroethylene (PCE) (PERC)	127-18-4	600	2 000	5 500
tetrachloromethane (carbon tetrachloride)	56-23-5	0.65	2	6
tetrahydrofuran	109-99-9	4	10	40
toluene	108-88-3	5 000	15 000	45 000
tribromomethane (bromoform)	75-25-2	9	30	85

GENERIC NUMERICAL VAPOUR STANDARDS^{1,2,3,4}

COLUMN I	COLUMN II	COLUMN III	COLUMN IV	COLUMN V
Substance	Chemical Abstract Service Number (CAS)	Agricultural, Urban Park, Residential Use Standard⁵	Commercial Use Standard⁶	Industrial Use Standard⁷
1,2,4-trichlorobenzene	120-82-1	4	10	35
1,1,1-trichloroethane	71-55-6	2 000	6 500	20 000
1,1,2-trichloroethane	79-00-5	0.6	2	5
trichloroethylene (TCE) ⁸	79-01-6	0.5	0.5	1
1,2,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	30 000	90 000	275 000
trichlorofluoromethane (Freon 11)	75-69-4	700	2 000	6 500
trichloromethane (chloroform) ⁸	67-66-3	1	1.5	4
1,1,2-trichloropropane	598-77-6	10	30	90
1,2,3-trichloropropane	96-18-4	10	35	100
1,2,3-trichloropropene	96-19-5	1	3	9
a,a,a-trichlorotoluene (benzotrichloride) ⁸	98-07-7	0.2	0.2	0.2
triethylamine	121-44-8	7	20	65
1,2,4-trimethylbenzene	95-63-6	6	20	55
1,3,5-trimethylbenzene	108-67-8	6	20	55
vinyl acetate (ethenyl acetate)	108-05-4	200	600	2 000
vinyl bromide (bromoethene) ⁸	593-60-2	1	1	3
vinyl chloride (chloroethene)	75-01-4	1	3.5	10
vinyl toluene (methyl styrene, mixture) ^{8,10}	25013-15-4	40	100	350
VPHv ¹¹	–	1 000	3 000	11 500
xylenes, mixture ¹²	1330-20-7	100	300	900

Footnotes

- ¹ All values in µg/m³ unless otherwise stated. Substances must be analyzed using methods specified in a director's protocol or alternate methods acceptable to a director.
- ² Vapour standards of this schedule are specific to human health only. It is the responsibility of the responsible person for the site to ensure that use of the vapour standards of this schedule does not constitute a significant risk or hazard to ecological health.
- ³ Soil, sediment or water giving rise to vapours must be remediated to the applicable vapour use standard for the substance.
- ⁴ Vapour standards applied to soil may be adjusted for depth dependent attenuation.

- 5 Vapour standards for agricultural, urban park and residential use apply to: soil at agricultural, urban park and residential land use sites; freshwater or marine sediment at sensitive sediment sites; and to water at any site, irrespective of the water or site use, which gives rise to contaminated vapours.
- 6 Vapour standards for commercial use apply to soil at commercial land use sites which gives rise to contaminated vapours.
- 7 Vapour standards for industrial use apply to soil at industrial land use sites and to freshwater or marine sediment at typical sediment sites, which gives rise to contaminated vapours.
- 8 One or more standards for the substance have been adjusted based on analytical detection limit for the substance.
- 9 Standard applies to sum of cis and trans isomers for the substance.
- 10 Standard applies to sum of meta and para isomers for the substance.
- 11 VPH_v includes the sum of those compounds that elute on a 100% polydimethylsiloxane gas chromatographic column between the retention times for n-hexane (nC₆) and n-tridecane (nC₁₃) minus the sum of: benzene, ethylbenzene, n-decane, n-hexane, toluene and xylenes.
- 12 Standard applies to sum of meta, ortho and para isomers for the substance.