


PROVINCE OF BRITISH COLUMBIA
ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

Order in Council No. 255 , Approved and Ordered June 19, 2026



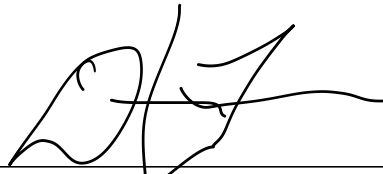
Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders that, effective June 22, 2026, the amendments to the Health, Safety and Reclamation Code for Mines in British Columbia, as prepared by the Health, Safety and Reclamation Committee and set out in the attached Schedule, are approved.



Minister of Mining and Critical Minerals



Presiding Member of the Executive Council

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

Authority under which Order is made:

Act and section: Mines Act, R.S.B.C. 1996, c. 293, s. 34 (6)

Other: _____

SCHEDULE

1 The definition section of the Health, Safety and Reclamation Code for Mines in British Columbia is amended

(a) by adding the following definitions:

“active flood plain”, in relation to a stream, means land that is

- (a) adjacent to the stream,
- (b) covered by the stream water at least once every 5 years, and
- (c) capable of supporting plant species that are typical of inundated or saturated soil conditions and distinct from plant species on freely drained upland sites adjacent to the land.

“all-terrain cycle” or “ATC” means a motorized vehicle that

- (a) is designed to travel on 1, 2 or 3 low-pressure tires,
- (b) has handlebars for steering, and
- (c) has a seat designed to be straddled by the operator.

“all-terrain vehicle” or “ATV” means a motorized vehicle, not including an all-terrain cycle (ATC) or a utility terrain vehicle (UTV), that

- (a) is designed to travel on 4 or more low-pressure tires, endless tracks or a combination of low-pressure tires and endless tracks,
- (b) has handlebars for steering, and
- (c) has a seat designed to be straddled by the operator. ,

(b) by repealing the definitions of “board” and “Board” and substituting the following:

“board” means

- (a) in Part 1, the Board of Examiners as set out in section 1.13.1 of this code, and
- (b) in Part 2, the Workers’ Compensation Board continued under section 316 of the *Workers Compensation Act*. ,

(c) by repealing the definition of “bridge” and substituting the following:

“bridge”, in Part 9, means a structure that carries an exploration access above a stream, topographic depression or human-made structure. ,

(d) by adding the following definition:

“bullying and harassment” means any improper conduct, comment, display, action or gesture by a person towards another person that the person knows, or reasonably ought to know, will cause the other person physical or psychological injury or illness, or to be humiliated or intimidated, but excludes any reasonable action taken by an employer or supervisor relating to the management and direction of employees or the place of employment. ,

(e) in the definition of “Confined Space” by striking out ““Confined Space” means” and substituting ““confined space” means”,

(f) by repealing the definition of “controlled product”,

(g) by repealing the definition of “culvert” and substituting the following:

“*culvert*” means one or more pipes, pipe arches or structures that are covered with soil, lie below an exploration access surface and are used to carry water, but does not include log structures for stream culverts. ,

(h) by adding the following definition:

“*electrical room*” means a dedicated space for housing electrical equipment for the purpose of electrical distribution or motor control, such as switchgear, transformers and panelboards. ,

(i) by repealing the definition of “*exploration activities*” and substituting the following:

“*exploration activities*” means the activities that are undertaken in the search for, and development of, coal and minerals as defined in the *Mineral Tenure Act*, excluding placer minerals, which activities

(a) include the following:

- (i) disturbance of the ground by mechanical means such as drilling, excavation trenches or test pits;
- (ii) blasting;
- (iii) construction, modification, maintenance, deactivation and reclamation of an exploration access;
- (iv) construction, modification, maintenance and reclamation of a camp;
- (v) induced polarization surveys using exposed electrodes;
- (vi) site reclamation, and

(b) do not include the following:

- (i) prospecting using hand tools;
- (ii) geological or geochemical surveying;
- (iii) airborne surveying;
- (iv) ground geophysical surveying without the use of exposed, energized electrodes;
- (v) hand trenching without the use of explosives;
- (vi) establishment of exploration grid lines that do not require the felling of trees, with the exception of trees and shrubs that create a hazard to safe passage and dangerous trees as defined in Part 26 of the Occupational Health and Safety Regulation, B.C. Reg. 296/97. ,

(j) by adding the following definition:

“*fixed substation*” means a permanent facility that is used to generate, transform, transmit or distribute electricity. ,

(k) by repealing the definition of “*HSRC Guidance Document*”,

(l) by adding the following definitions:

“*natural boundary*” means the visible high-water mark of any lake, river, stream or other body of water where the presence and action of the water is so common and usual, and so long continued in all ordinary years, as to mark on the soil of the bed of the body of water a character distinct from that of its banks in vegetation as well as in the nature of the soil itself.

“*off-road vehicle*” or “*ORV*” means a utility terrain vehicle (UTV) or a snowmobile. ,

(m) by repealing the definition of “risk phrase”,

(n) by adding the following definitions:

“sexual harassment” means

- (a) any vexatious comment or conduct by a person towards another person relating to the other person’s sex, sexual orientation, gender identity or gender expression that the person knows, or reasonably ought to know, will be unwelcome, or
- (b) any sexual solicitation or advance by a person towards another person in circumstances in which the person
 - (i) knows, or reasonably ought to know, the sexual solicitation or advance will be unwelcome, or
 - (ii) is in a position to confer, grant or deny a job benefit or advancement to the other person.

“snowmobile” means a motorized vehicle that

- (a) is designed for travel on snow or ice,
- (b) has one or more steering skis,
- (c) is self-propelled by means of one or more endless tracks driven in contact with the ground, and
- (d) has a seat designed for the rider to sit astride. ,

(o) by repealing the definition of “threshold limit value – time weighed average (TLV-TWA)” and substituting the following:

“threshold limit value – time weighted average (TLV-TWA)” means the time weighted average concentration for a normal 8-hour day and a 40-hour workweek to which nearly all workers can be repeatedly exposed without adverse effect. ,

(p) by repealing the definition of “underground enclosure defined” and substituting the following:

“underground enclosure”, in Part 4, means any area in an underground mine that is used to enclose equipment and machinery, or to provide shelter, and is a suitable working environment. It includes service garages, fuelling stations, and fuel and lubrication storage areas. ,

(q) by adding the following definitions:

“utility terrain vehicle” or “UTV” means a motorized vehicle, not including a golf cart or other low-speed vehicle, that

- (a) is designed to travel on 4 or more low-pressure tires, endless tracks or a combination of low-pressure tires and endless tracks,
- (b) has a steering wheel or steering stick, and
- (c) has one or more seats not designed to be straddled.

“violence” means

- (a) any use, or attempt to use, physical force by a person towards another person that causes, or intends to cause, physical injury to the other person, or
- (b) any threatening statement or behaviour by a person towards another person that gives the other person reasonable cause to believe that the other person is at risk of physical injury. ,

(r) in the definition of “watercourse” by striking out “swamp” and substituting “wetland”;

(s) by repealing the definition of “wetland” and substituting the following:

“wetland” means land that is saturated with water, permanently or intermittently, long enough for the excess water and resulting low oxygen levels to produce conditions characterized by water-altered soils, dominance of water-loving plants and various kinds of biological activity that are adapted to a wet environment, which land includes bogs, fens, marshes, swamps, shallow waters and other similar areas. , **and**

(t) by adding the following definition:

“wetland complex” means an area of combined wetlands that

(a) contains

(i) two or more wetlands, each greater than 5 ha in size, that are all located within 100 m of each other,

(ii) one wetland, greater than 5 ha in size, and one or more wetlands, each less than 5 ha in size, that are all located within 80 m of each other, or

(iii) two or more wetlands, each less than 5 ha in size, that are all located within 60 m of each other, and

(b) is 5 ha or larger, excluding upland areas.

2 Section 1.1.1 (b) is amended by striking out “manager shall ensure that all employees who” and substituting “manager must ensure that all employees or contractors who”.

3 Section 1.4.1 is amended

(a) by striking out “The manager shall” and substituting “The manager must”, and

(b) in subsection (2) by striking out “available to employee” and substituting “available to employees”.

4 Section 1.6.9 is amended

(a) in subsection (1) by striking out “shall develop a Mine Health and Safety Program which” and substituting “must ensure that a Mine Health and Safety Program is developed and implemented that”,

(b) in subsection (1) by striking out “and” at the end of paragraph (g), by adding “, and” at the end of paragraph (h) and by adding the following paragraph:

(i) a program to address bullying and harassment, sexual harassment, and violence, which program includes

(i) establishing procedures for reporting and investigating complaints,

(ii) training supervisors and workers about the program,

(iii) a process to ensure that, after the training referred to in subparagraph (ii), supervisors and workers are kept aware of the program,

(iv) educating visitors about the program on entering the mine, and

(v) ensuring contractors are trained about the program on or before entering the mine. , **and**

(c) by repealing subsection (2) and substituting the following:

- (2) The manager must ensure that the OHSC
 - (a) reviews the Mine Health and Safety Program, including OHSC Training, for completeness and effectiveness on an ongoing basis, and
 - (b) submits its findings to the manager.

5 *Sections 1.8.1 and 1.8.2 are repealed and the following substituted:*

Manager's Responsibility

1.8.1 The manager must ensure that

- (a) except for protective footwear and prescription eyeglasses, personal protective equipment and safety devices are supplied to persons as appropriate to the task or occasion,
- (b) persons are trained in the use of the equipment and devices, and
- (c) the equipment and devices are adequate for their purpose.

Responsibility of All Persons

1.8.2 A person must

- (a) use, as instructed by a qualified person, the personal protective equipment and safety devices supplied to the person as set out in section 1.8.1, and
- (b) ensure the equipment and devices are in good working order.

6 *Section 2.1.1 (2) is repealed.*

7 *Section 2.1.2 is repealed and the following substituted:*

Shifts Longer Than 8 Hours

2.1.2 If a shift at a mine is longer than 8 hours and involves exposure to an airborne substance that is listed in Table 2-4, other than a substance indicated in the table to be category I-A, I-B or I-C, the manager must ensure that the time-weighted average concentration of the airborne substance is adjusted using the applicable adjustment factor determined as follows:

- (a) for substances indicated to be category II in Table 2-4, a daily adjustment factor as determined using the formula

$$F_a = 8/H_d$$

F_a = adjustment factor

H_d = exposure duration in hours per shift;

- (b) for substances indicated to be category III in Table 2-4, a weekly adjustment factor as determined using the formula

$$F_a = 40/H_{wk}$$

F_a = adjustment factor

H_{wk} = average duration of work shifts per week based on a repetitive work cycle;

- (c) for substances indicated to be category IV in Table 2-4, the lowest of the following two adjustment factors:
 - (i) a daily adjustment factor as determined using the formula set out in paragraph (a);

- (ii) a weekly adjustment factor as determined using the formula set out in paragraph (b);
- (d) for substances not listed in Table 2-4, the lowest of the following two adjustment factors:
- (i) a daily adjustment factor as determined using the formula

$$F_a = \frac{8}{H_d} \times \frac{24 - H_d}{16}$$

F_a = adjustment factor

H_d = exposure duration in hours per shift;

- (ii) a weekly adjustment factor as determined using the formula

$$F_a = \frac{40}{H_{wk}} \times \frac{168 - H_{wk}}{128}$$

F_a = adjustment factor

H_{wk} = average duration of work shifts per week based on a repetitive work cycle.

8 The following table is added to Part 2 after the notes to Table 2-3:

**Table 2-4
Adjustment Categories for Airborne Substances**

Item	Substance	Category
1	Acetaldehyde [75-07-0]	I-A
2	Acetic acid [64-19-7]	I-B
3	Acetic anhydride [108-24-7]	I-B
4	Acetone cyanohydrin [75-86-5]	I-A
5	Acetonitrile [75-05-8]	II
6	Acetophenone [98-86-2]	I-B
7	Acetylene [74-86-2]	I-C
8	Acetylsalicylic acid (Aspirin) [50-78-2]	II
9	Acrolein [107-02-8]	I-B
10	Acrylamide [79-06-1]	III
11	Acrylic acid [79-10-7]	I-B
12	Acrylonitrile [107-13-1]	III
13	Adipic acid [124-04-9]	III
14	Adiponitrile [111-69-3]	IV
15	Aldrin [309-00-2]	IV
16	Allyl alcohol [107-18-6]	I-B
17	Allyl glycidyl ether (AGE) [106-92-3]	I-B
18	Allyl propyl disulfide [2179-59-1]	I-B

Item	Substance	Category
19	Aluminum metal [7429-90-5] (as Al)	IV
20	4-Aminodiphenyl [92-67-1]	III
21	2-Aminopyridine [504-29-0]	II
22	Amitrole [61-82-5]	III
23	Ammonia [7664-41-7]	I-B
24	Ammonium chloride fume [12125-02-9]	I-B
25	Ammonium perfluorooctanoate [3825-26-1]	III
26	Ammonium sulfamate [7773-06-0]	I-B
27	Aniline [62-53-3]	I-C
28	ortho-Anisidine [90-04-0]	II
29	para -Anisidine [104-94-9]	II
30	Antimony [7440-36-0], metal and compounds (as Sb)	III
31	Antimony trioxide [1309-64-4]	III
32	ANTU (alpha-Naphthylthiourea) [86-88-4]	II
33	Argon [7440-37-1]	I-C
34	Arsenic, elemental [7440-38-2], and inorganic compounds (except Arsine) (as As)	III
35	Arsine [7784-42-1]	IV

Item	Substance	Category
36	Asbestos [1332-21-4], all forms	III
37	Asphalt (petroleum) fumes [8052-42-4], as benzene soluble aerosol	III
38	Atrazine [1912-24-9] (and related symmetrical triazines)	II
39	Azinphos-methyl [86-50-0]	IV
40	Barium [7440-39-3], soluble compounds (as Ba)	II
41	Barium sulfate [7440-39-3]	III
42	Benomyl [17804-35-2]	I-C
43	Benz(a)anthracene [56-55-3]	III
44	Benzene [71-43-2]	III
45	Benzidine [92-87-5]	III
46	Benzo(a)pyrene [50-32-8]	III
47	Benzo(b)fluoranthene [205-99-2]	III
48	p-Benzoquinone [106-51-4]	I-B
49	Benzotrichloride [98-07-7]	I-A
50	Benzoyl chloride [98-88-4]	IV
51	Benzoyl peroxide [94-36-0]	I-B
52	Benzyl chloride [100-44-7]	IV
53	Beryllium [7440-41-7] metal, soluble and insoluble compounds (as Be)	III
54	Biphenyl [92-52-4]	I-B
55	Bismuth telluride [1304-82-1] (as Bi ₂ Te ₃), Se-doped	III
56	Bismuth telluride [1304-82-1] (as Bi ₂ Te ₃), undoped	I-C
57	Borate compounds, inorganic [1303-96-4; 1330-43-4; 10043-35-3; 12179-04-3]	I-B
58	Boron oxide [1303-86-2]	I-B
59	Boron tribromide [10294-33-4]	I-A
60	Boron trifluoride [7637-07-2]	I-A
61	Bromacil [314-40-9]	III
62	Bromine [7726-95-6]	I-B
63	Bromine pentafluoride [7789-30-2]	I-B
64	Bromoform [75-25-2]	IV
65	1,3-Butadiene [106-99-0]	III
66	Butane, isomers [75-28-5; 106-97-8]	I-C
67	2-Butoxyethanol [111-76-2]	III
68	Butyl acetates, all isomers [105-46-4; 110-19-0; 123-86-4; 540-88-5]	I-B
69	n-Butyl acrylate [141-32-2]	I-B

Item	Substance	Category
70	n-Butyl alcohol (n-Butanol) [71-36-3]	I-A
71	sec-Butyl alcohol (sec-Butanol) [78-92-2]	II
72	tert-Butyl alcohol (tert-Butanol) [75-65-0]	II
73	tert-Butyl chromate (as CrO ₃) [1189-85-1]	I-A
74	n-Butyl glycidyl ether (BGE) [2426-08-6]	III
75	n-Butyl lactate [138-22-7]	I-B
76	n-Butyl mercaptan [109-79-5]	I-B
77	n-Butylamine [109-73-9]	I-A
78	o-sec-Butylphenol [89-72-5]	I-B
79	p-tert-Butyltoluene [98-51-1]	III
80	Butylated hydroxytoluene (BHT; 2,6-Di-tert-butyl-p-cresol) [128-37-0]	I-C
81	Cadmium elemental [7440-43-9] and compounds (as Cd)	III
82	Calcium carbonate, Td [471-34-1]	I-C
83	Calcium cyanamide [156-62-7]	I-B
84	Calcium hydroxide [1305-62-0]	I-B
85	Calcium oxide [1305-78-8]	I-B
86	Calcium silicate, naturally occurring as Wollastonite [13983-17-0]	I-B
87	Calcium sulfate [7778-18-9; 10034-76-1; 10101-41-4; 13397-24-5]	I-C
88	Camphor (synthetic) [76-22-2]	I-B
89	Caprolactam, [105-60-2]	I-B
90	Captafol [2425-06-1]	III
91	Captan [133-06-2]	III
92	Carbaryl [63-25-2]	IV
93	Carbofuran [1563-66-2]	IV
94	Carbon black [1333-86-4]	III
95	Carbon dioxide [124-38-9]	I-C
96	Carbon disulfide [75-15-0]	IV
97	Carbon monoxide [630-08-0]	IV
98	Carbon tetrabromide [558-13-4]	IV
99	Carbon tetrachloride [56-23-5]	IV
100	Carbonyl fluoride [353-50-4]	IV
101	Catechol [120-80-9]	IV
102	Cellulose [9004-34-6]	I-C
103	Cesium hydroxide [21351-79-1]	I-B

Item	Substance	Category
104	Chlordane [57-74-9]	IV
105	Chlorinated camphene [8001-35-2]	IV
106	Chlorinated diphenyl oxide [31242-93-0]	III
107	Chlorine [7782-50-5]	IV
108	Chlorine dioxide [10049-04-4]	II
109	Chlorine trifluoride [7790-91-2]	I-A
110	Chloroacetaldehyde [107-20-0]	I-A
111	Chloroacetone [78-95-5]	I-A
112	2-Chloroacetophenone [532-27-4]	I-B
113	Chloroacetyl chloride [79-04-9]	I-B
114	Chlorobenzene [108-90-7]	IV
115	o-Chlorobenzylidene malononitrile [2698-41-1]	I-A
116	Chlorobromomethane [74-97-5]	III
117	Chlorodifluoromethane [75-45-6]	I-C
118	Chlorodiphenyl (42% chlorine) [53469-21-9]	III
119	Chlorodiphenyl (54% chlorine) [11097-69-1]	III
120	Chloroform [67-66-3]	IV
121	Chloromethyl methyl ether [107-30-2]	III
122	bis (Chloromethyl) ether [542-88-1]	III
123	1-Chloro-1-nitropropane [600-25-9]	II
124	Chloropentafluoroethane [76-15-3]	I-C
125	Chloropicrin [76-06-2]	II
126	β -Chloroprene [126-99-8]	IV
127	3-Chloropropene [107-05-1]	III
128	2-Chloropropionic acid [598-78-7]	III
129	o-Chlorostyrene [2039-87-4]	IV
130	o-Chlorotoluene [95-49-8]	I-B
131	Chlorpyrifos [2921-88-2]	IV
132	Chromite ore processing (chromate) (as Cr)	III
133	Chromium [7440-47-3] (metal)	III
134	Chromium (III) compounds (as Cr)	III
135	Chromium VI, water insoluble inorganic compounds (as Cr)	III
136	Chromium VI, water soluble inorganic compounds (as Cr)	III
137	Chromyl chloride [14977-61-8]	III
138	Chrysene [218-01-9]	III

Item	Substance	Category
139	Clopidol [2971-90-6]	I-C
140	Coal dust (Anthracite) [8029-10-5]	III
141	Coal dust (Bituminous or Lignite) [308062-82-0]	III
142	Coal tar pitch volatiles [65996-93-2], as benzene solubles	III
143	Cobalt [7440-48-4], elemental and inorganic compounds (as Co)	III
144	Cobalt carbonyl [10210-68-1] (as Co)	II
145	Cobalt hydrocarbonyl (as Co) [16842-03-8]	II
146	Cobalt carbonyl [10210-68-1], as Co	II
147	Copper [7440-50-8] (as Cu)	II
148	Cotton dust, raw, untreated	III
149	Cresol (all isomers) [95-48-7; 106-44-5; 108-39-4; 1319-77-3]	I-B
150	Crotonaldehyde [4170-30-3]	I-B
151	Crufomate [299-86-5]	IV
152	Cumene [98-82-8]	II
153	Cyanamide [420-04-2]	I-B
154	Cyanides (as Cn) [57-12-5]	I-A
155	Cyanogen [460-19-5]	I-B
156	Cyanogen chloride [506-77-4]	I-A
157	Cyclohexane [110-82-7]	I-B
158	Cyclohexanol [108-93-0]	IV
159	Cyclohexanone [108-94-1]	III
160	Cyclohexene [110-83-8]	I-B
161	Cyclohexylamine [108-91-8]	I-B
162	Cyclonite [121-82-4]	III
163	Cyclopentadiene [542-92-7]	I-B
164	Cyclopentane [287-92-3]	IV
165	Cyhexatin [13121-70-5]	I-C
166	2,4-D [94-75-7]	III
167	DDT (Dichlorodiphenyltrichloroethane) [50-29-3]	IV
168	Decaborane [17702-41-9]	IV
169	Demeton® [8065-48-3]	IV
170	Di(2-ethylhexyl) phthalate (DEHP) [117-81-7]	III
171	Diacetone alcohol [123-42-2]	I-B
172	Diazinon® [333-41-5]	IV
173	Diazomethane [334-88-3]	IV

Item	Substance	Category
174	Diborane [19287-45-7]	IV
175	1,2-Dibromoethane [106-93-4]	III
176	Dibutyl phenyl phosphate [2528-36-1]	IV
177	Dibutyl phosphate [107-66-4]	I-B
178	Dibutyl phthalate [84-74-2]	I-B
179	2-N-Dibutylaminoethanol [102-81-8]	III
180	1,3-Dichloro -5,5-dimethyl hydantoin [118-52-5]	I-B
181	Dichloroacetylene [7572-29-4]	I-A
182	o-Dichlorobenzene [95-50-1]	I-A
183	p-Dichlorobenzene [106-46-7]	III
184	3,3'-Dichlorobenzidine [91-94-1]	III
185	1,4-Dichloro-2-butene [764-41-0]	III
186	Dichlorodifluoromethane [75-71-8]	I-C
187	1,1-Dichloroethane [75-34-3]	IV
188	1,2-Dichloroethane [107-06-2]	III
189	Dichloroethyl ether [111-44-4]	II
190	1,1-Dichloroethylene [75-35-4]	III
191	1,2-Dichloroethylene, all isomers [156-59-2; 156-60-5; 540-59-0]	IV
192	Dichlorofluoromethane [75-43-4]	IV
193	Dichloromethane (methylene chloride) [75-09-2]	IV
194	1,3-Dichloropropene [542-75-6]	IV
195	Dichlorotetrafluoroethane [76-14-2]	I-C
196	1,1-Dichloro-1-nitroethane [594-72-9]	II
197	2,2-Dichloropropionic acid [75-99-0]	I-B
198	Dichlorvos [62-73-7]	IV
199	Dicrotophos [141-66-2]	IV
200	Dicyclopentadiene [77-73-6]	III
201	Dicyclopentadienyl iron, as Fe [102-54-5]	I-C
202	Dieldrin [60-57-1]	IV
203	Diesel particulate matter (DPM)	IV
204	Diethanolamine [111-42-2]	I-B
205	Diethyl ketone [96-22-0]	II
206	Diethyl phthalate [84-66-2]	III
207	Diethylamine [109-89-7]	I-B
208	2-Diethylaminoethanol [100-37-8]	I-B
209	Diethylene triamine [111-40-0]	III

Item	Substance	Category
210	Difluorodibromomethane [75-61-6]	IV
211	Diglycidyl ether (DGE) [2238-07-5]	III
212	Diisobutyl ketone [108-83-8]	I-B
213	Diisopropylamine [108-18-9]	I-B
214	Dimethyl carbamoyl chloride [79-44-7]	III
215	Dimethyl sulfate [77-78-1]	III
216	N,N-Dimethylacetamide [127-19-5]	IV
217	Dimethylamine [124-40-3]	I-B
218	N,N-Dimethylaniline [121-69-7]	IV
219	N,N-Dimethylformamide [68-12-2]	III
220	1,1-Dimethylhydrazine [57-14-7]	III
221	Dimethyl phthalate [131-11-3]	I-B
222	Dinitolmide (3,5-dinitro-o-toluamide) [148-01-6]	III
223	Dinitro-ortho-cresol [534-52-1]	III
224	Dinitrobenzene (all isomers) [99-65-0; 100-25-4; 528-29-0; 25154-54-5]	IV
225	Dinitrotoluene [25321-14-6]	IV
226	1,4 Dioxane [123-91-1]	III
227	Dioxathion [78-34-2]	III
228	Diphenylamine [122-39-4]	IV
229	Dipropylene glycol monomethyl ether [13429-07-7; 13588-28-8; 20324-32-7; 34590-94-8; 55956-21-3]	II
230	Diquat [85-00-7; 2764-72-9; 6385-62-2]	III
231	Disulfiram [97-77-8]	II
232	Disulfoton [298-04-4]	IV
233	Diuron [330-54-1]	I-C
234	Divinyl benzene [1321-74-0]	I-B
235	Emery, Td [12415-34-8]	I-C
236	Endosulfan [115-29-7]	IV
237	Endrin [72-20-8]	II
238	Enflurane [13838-16-9]	II
239	Epichlorohydrin [106-89-8]	IV
240	EPN [2104-64-5]	IV
241	Ethane [74-84-0]	I-C
242	Ethanol [64-17-5]	I-B
243	Ethanolamine (2-aminoethanol; monoethanolamine) [141-43-5]	III

Item	Substance	Category
244	Ethion [563-12-2]	IV
245	2-Ethoxyethanol (EGEE) [110-80-5]	IV
246	2-Ethoxyethyl acetate [111-15-9]	IV
247	Ethyl acetate [141-78-6]	I-B
248	Ethyl acrylate [140-88-5]	III
249	Ethyl amyl ketone [541-85-5]	I-B
250	Ethyl benzene [100-41-4]	III
251	Ethyl bromide [74-96-4]	IV
252	Ethyl butyl ketone [106-35-4]	II
253	Ethyl chloride [75-00-3]	IV
254	Ethyl formate [109-94-4]	I-B
255	Ethyl mercaptan [75-08-1]	I-B
256	Ethyl silicate [78-10-4]	III
257	Ethyl ether [60-29-7]	I-B
258	Ethylamine [75-04-7]	I-B
259	Ethylene [74-85-1]	I-C
260	Ethylene chlorohydrin [107-07-3]	I-A
261	Ethylene diamine [107-15-3]	III
262	Ethylene glycol [107-21-1]	I-A
263	Ethylene glycol dinitrate [628-96-6]	I-A
264	Ethylene glycol dimethyl ether [110-71-4]	IV
265	Ethyleneimine [151-56-4]	IV
266	Ethylene oxide [75-21-8]	III
267	Ethylidene norbornene [16219-75-3]	I-A
268	N-Ethylmorpholine [100-74-3]	II
269	Fenamiphos [22224-92-6]	IV
270	Fensulfothion [115-90-2]	IV
271	Fenthion [55-38-9]	IV
272	Ferbam [14484-64-1]	I-B
273	Ferrovandium (dust) [12604-58-9]	I-B
274	Fibres, Artificial Vitreous Mineral Fibres, Fibrous glass, continuous filament	I-C
275	Fibres, Artificial Vitreous Mineral Fibres, Insulation wool fibres, Glass wool	I-B
276	Fibres, Artificial Vitreous Mineral Fibres, Insulation wool fibres, Rock wool	I-B
277	Fibres, Artificial Vitreous Mineral Fibres, Insulation wool fibres, Slag wool	I-B

Item	Substance	Category
278	Fibres, Artificial Vitreous Mineral Fibres, Refractory fibres (ceramic or others)	III
279	Fibres, Artificial Vitreous Mineral Fibres, Special purpose glass fibres	III
280	Fluorides (as F)	III
281	Fluorine [7782-41-4]	I-B
282	Fonofos [944-22-9]	IV
283	Formaldehyde [50-00-0]	IV
284	Formamide [75-12-7]	III
285	Formic acid [64-18-6]	I-B
286	Furfural [98-01-1]	I-B
287	Furfuryl alcohol [98-00-0]	I-B
288	Gasoline [86290-81-5]	II
289	Germanium tetrahydride [7782-65-2]	II
290	Glutaraldehyde [111-30-8]	I-A
291	Glycidol [556-52-5]	I-B
292	Grain dust (oat, wheat, barley)	IV
293	Graphite (all forms except graphite fibers) Rd [7782-42-5]	III
294	Hafnium [7440-58-6]	III
295	Halothane [151-67-7]	IV
296	Helium [7440-59-7]	I-C
297	Heptachlor [76-44-8]	IV
298	Heptachlor epoxide [1024-57-3]	III
299	n-Heptane [142-82-5]	II
300	Hexachlorobenzene [118-74-1]	III
301	Hexachlorobutadiene [87-68-3]	III
302	Hexachlorocyclopentadiene [77-47-4]	IV
303	Hexachloroethane [67-72-1]	III
304	Hexachloronaphthalene [1335-87-1]	III
305	Hexafluoroacetone [684-16-2]	IV
306	Hexamethyl phosphoramidate [680-31-9]	III
307	n-Hexane	IV
308	Hexane (commercial, <54% n- hexane) [64742-49-0; 64742-89-8] and branched isomers [75-83-2; 79-29-8; 107-83-5; 96-14-0]	I-C
309	1,6-Hexanediamine (1,6- diaminohexane) [124-09-4]	I-B
310	sec-Hexyl acetate [108-84-9]	I-B
311	Hexylene glycol [107-41-5]	I-A

Item	Substance	Category
312	Hydrazine [302-01-2]	III
313	Hydrogen [1333-74-0]	I-C
314	Hydrogen bromide [10035-10-6]	I-A
315	Hydrogen chloride [7647-01-0]	I-A
316	Hydrogen cyanide [74-90-8] and cyanide salts [143-33-9; 151-50-8; 592-01-8] as CN	I-A
317	Hydrogen fluoride (as F) [7664-39-3]	I-A
318	Hydrogen peroxide [7722-84-1]	I-B
319	Hydrogen selenide (as Se) [7783-07-5]	IV
320	Hydrogenated terphenyls (nonirradiated) [61788-32-7]	III
321	Hydroquinone [123-31-9]	IV
322	2-Hydroxypropyl acrylate [999-61-1]	I-B
323	Indene [95-13-6]	I-B
324	Indium [7440-74-6] and compounds (as In)	IV
325	Iodine [7553-56-2] and Iodides, as I	I-A
326	Iodoform [75-47-8]	II
327	Iron pentacarbonyl (as Fe) [13463-40-6]	II
328	Iron salts, soluble (as Fe)	I-B
329	Iron oxide dust and fume (Fe ₂ O ₃) [1309-37-1], as Fe	III
330	Isoamyl alcohol [123-51-3]	II
331	Isobutyl alcohol (Isobutanol) [78-83-1]	I-B
332	Isocyanate oligomers	III
333	Isooctyl alcohol [26952-21-6]	II
334	Isophorone [78-59-1]	I-A
335	Isophorone diisocyanate [4098-71-9]	III
336	2- Isopropoxyethanol [109-59-1]	III
337	Isopropyl acetate [108-21-4]	I-B
338	Isopropyl alcohol (2-propanol) [67-63-0]	II
339	Isopropyl glycidyl ether (IGE) [4016-14-2]	III
340	Isopropyl ether (diisopropyl ether) [108-20-3]	I-B
341	Isopropylamine [75-31-0]	I-B
342	N-Isopropylaniline [768-52-5]	II
343	Kaolin, Rd [1332-58-7]	III
344	Ketene [463-51-4]	II

Item	Substance	Category
345	LPG (Liquefied petroleum gas) [68476-85-7]	I-C
346	Lead [7439-92-1] and inorganic compounds as Pb	III
347	Lead arsenate (as Pb ₃ (AsO ₄) ₂) [7784-40-9]	IV
348	Lead chromate [7758-97-6] as Cr (VI)	III
349	Lead tetraethyl [78-00-2] (as Pb)	III
350	Lead tetramethyl (as Pb) [75-74-1]	III
351	Lindane [58-89-9]	IV
352	Lithium hydride [7580-67-8]	I-B
353	Magnesium oxide [1309-48-4]	II
354	Malathion [121-75-5]	IV
355	Maleic anhydride [108-31-6]	IV
356	Manganese [7439-96-5], elemental and inorganic compounds, (as Mn),	IV
357	Manganese cyclopentadienyl tricarbonyl (as Mn) [12079-65-1]	IV
358	Manganese methyl cyclopentadienyl tricarbonyl (as Mn) [12108-13-3]	IV
359	Mercury [7439-97-6], Alkyl compounds (as Hg)	IV
360	Mercury [7439-97-6], aryl compounds as Hg	III
361	Mercury [7439-97-6], elemental and inorganic compounds (as Hg)	III
362	Mercury [7439-97-6], mercury vapor (as Hg)	III
363	Mesityl oxide [141-79-7]	I-B
364	Methacrylic acid [79-41-4]	I-B
365	Methane [74-82-8]	I-C
366	Methomyl [16752-77-5]	IV
367	Methanol [67-56-1]	IV
368	Methoxychlor [72-43-5]	IV
369	2-Methoxyethanol (EGME) [109-86-4]	IV
370	2-Methoxyethyl acetate (EGMEA) [110-49-6]	IV
371	4-Methoxyphenol [150-76-5]	I-B
372	1-Methoxy-2-propanol [107-98-2]	IV
373	Methyl acetate [79-20-9]	II
374	Methyl acetylene [74-99-7]	I-C
375	Methyl acetylene-propadiene mixture (MAPP) [59355-75-8]	I-C
376	Methyl acrylate [96-33-3]	III
377	Methyl n-amyl ketone [110-43-0]	I-B

Item	Substance	Category
378	Methyl bromide [74-83-9]	IV
379	Methyl tert-butyl ether [1634-04-4]	IV
380	Methyl n-butyl ketone [591-78-6]	III
381	Methyl chloride [74-87-3]	IV
382	Methyl chloroform [71-55-6]	II
383	Methyl 2-cyanoacrylate [137-05-3]	III
384	Methyl demeton [8022-00-2]	IV
385	Methyl ethyl ketone (MEK) [78-93-3]	I-B
386	Methyl ethyl ketone peroxide [1338-23-4]	I-A
387	Methyl formate [107-31-3]	I-B
388	Methyl hydrazine [60-34-4]	I-A
389	Methyl iodide [74-88-4]	IV
390	Methyl isoamyl ketone [110-12-3]	I-B
391	Methyl isobutyl ketone [108-10-1]	I-B
392	Methyl isocyanate [624-83-9]	III
393	Methyl isopropyl ketone [563-80-4]	I-B
394	Methyl isobutyl carbinol (methyl amyl alcohol) [108-11-2]	I-B
395	Methyl mercaptan [74-93-1]	I-B
396	Methyl methacrylate (monomer) [80-62-6]	I-B
397	Methyl parathion [298-00-0]	IV
398	Methyl propyl ketone [107-87-9]	II
399	Methyl silicate [681-84-5]	II
400	alpha-Methyl styrene [98-83-9]	II
401	Methylacrylonitrile [126-98-7]	IV
402	Methylal [109-87-5]	I-B
403	Methylamine [74-89-5]	I-B
404	N-Methylaniline [100-61-8]	IV
405	Methylcyclohexane [108-87-2]	I-B
406	Methylcyclohexanol [25639-42-3]	III
407	Methylcyclohexanone, all isomers [583-60-8; 589-92-4; 591-24-2; 1331-22-2]	I-B
408	4,4'-Methylene bis (2-chloroaniline) (MOCA) [101-14-4]	IV
409	Methylene bis (4-cyclohexylisocyanate) [5124-30-1]	III
410	4,4'-Methylene dianiline [101-77-9]	III
411	Methylene bisphenyl isocyanate (MDI) [101-68-8]	III
412	Metribuzin [21087-64-9]	II

Item	Substance	Category
413	Mevinphos (Phosdrin) [7786-34-7]	IV
414	Mica [12001-26-2]	III
415	Mineral oil, excluding metal working fluids	III
416	Molybdenum [7439-98-7] (as Mo)	I-C
417	Monocrotophos [6923-22-4]	IV
418	Morpholine [110-91-8]	I-B
419	Naled [300-76-5]	IV
420	Naphthalene [91-20-3]	I-B
421	β-Naphthylamine [91-59-8]	III
422	Neon [7440-01-9]	I-C
423	Nickel [7440-02-0], Metal	III
424	Nickel [7440-02-0] (as Ni)	III
425	Nickel carbonyl [13463-39-3] (as Ni)	II
426	Nickel subsulfide [12035-72-2]	III
427	Nicotine [54-11-5]	II
428	Nitrapyrin [1929-82-4]	I-C
429	Nitric acid [7697-37-2]	II
430	Nitric oxide (nitrogen monoxide) [10102-43-9]	II
431	p-Nitroaniline [100-01-6]	IV
432	Nitrobenzene [98-95-3]	IV
433	p-Nitrochlorobenzene [100-00-5]	IV
434	4-Nitrodiphenyl [92-93-3]	III
435	Nitroethane [79-24-3]	I-B
436	Nitrogen [7727-37-9]	I-C
437	Nitrogen dioxide [10102-44-0]	IV
438	Nitrogen trifluoride [7783-54-2]	II
439	Nitroglycerin (NG) [55-63-0]	II
440	Nitromethane [75-52-5]	IV
441	1-Nitropropane [108-03-2]	III
442	2-Nitropropane [79-46-9]	III
443	N-Nitrosodimethylamine [62-75-9]	III
444	Nitrotoluene (all isomers) [88-72-2; 99-08-1; 99-99-0]	II
445	Nitrous oxide [10024-97-2]	III
446	Nonane [111-84-2]	II
447	Octachloronaphthalene [2234-13-1]	III
448	Octane [111-65-9]	II
449	Osmium tetroxide (as Os) [20816-12-0]	I-B

Item	Substance	Category
450	Oxalic acid, anhydrous [144-62-7] and dihydrate [6153-56-6]	I-B
451	Oxygen difluoride [7783-41-7]	I-A
452	Paraffin wax, fume [8002-74-2]	I-B
453	Paraquat [4685-14-7], as the cation	III
454	Parathion [56-38-2]	IV
455	Particulates (insoluble or poorly soluble) Not Otherwise Classified (PNOC)	I-C
456	Pentaborane [19624-22-7]	II
457	Pentachloronaphthalene [1321-64-8]	III
458	Pentachloronitrobenzene [82-68-8]	III
459	Pentachlorophenol [87-86-5]	III
460	Pentaerythritol [115-77-5]	I-C
461	Pentane, all isomers [78-78-4; 109-66-0; 463-82-1]	II
462	Pentyl acetate, all isomers [123-92-2; 620-11-1; 624-41-9; 625-16-1; 626-38-0; 628-63-7]	I-B
463	Perchloromethyl mercaptan [594-42-3]	II
464	Perchloryl fluoride [7616-94-6]	IV
465	Perfluoroisobutylene [382-21-8]	I-A
466	Phenol [108-95-2]	IV
467	Phenothiazine [92-84-2]	III
468	Phenyl ether, vapour [101-84-8]	I-B
469	Phenyl glycidyl ether (PGE) [122-60-1]	III
470	Phenyl mercaptan [108-98-5]	I-B
471	meta-Phenylenediamine [108-45-2]	III
472	ortho-Phenylenediamine [95-54-5]	III
473	p-Phenylenediamine [106-50-3]	III
474	Phenylhydrazine [100-63-0]	III
475	n-Phenyl- β -naphthylamine [135-88-6]	III
476	Phenylphosphine [638-21-1]	I-A
477	Phorate [298-02-2]	IV
478	Phosgene [75-44-5]	II
479	Phosphine [7803-51-2]	II
480	Phosphoric acid [7664-38-2]	I-B
481	Phosphorus (yellow) [12185-10-3]	I-B
482	Phosphorus oxychloride [10025-87-3]	I-B
483	Phosphorus pentachloride [10026-13-8]	I-B

Item	Substance	Category
484	Phosphorus pentasulfide [1314-80-3]	I-B
485	Phosphorus trichloride [7719-12-2]	I-B
486	Phthalic anhydride [85-44-9]	III
487	m-Phthalodinitrile [626-17-5]	I-C
488	Picloram [1918-02-1]	I-C
489	Picric acid [88-89-1]	III
490	Pindone [83-26-1]	III
491	Platinum [7440-06-4], Metal	III
492	Platinum [7440-06-4], Soluble salts (as Pt)	III
493	Portland cement [65997-15-1]	I-B
494	Potassium hydroxide [1310-58-3]	I-A
495	Propane [74-98-6]	I-C
496	Propane sultone [1120-71-4]	III
497	Propargyl alcohol [107-19-7]	I-B
498	β -Propiolactone [57-57-8]	III
499	Propionic acid [79-09-4]	I-B
500	Propoxur (baygon) [114-26-1]	IV
501	n-Propyl acetate [109-60-4]	I-B
502	n-Propyl alcohol (n-Propanol) [71-23-8]	I-B
503	n-Propyl nitrate [627-13-4]	II
504	Propylene [115-07-1]	I-C
505	Propylene dichloride (1,2-dichloropropane) [78-87-5]	IV
506	Propylene glycol dinitrate [6423-43-4]	IV
507	Propylene imine [75-55-8]	III
508	Propylene oxide [75-56-9]	III
509	Pyrethrum [8003-34-7]	III
510	Pyridine [110-86-1]	III
511	Resorcinol [108-46-3]	II
512	Rhodium [7440-16-6], Metal and insoluble compounds (as Rh)	III
513	Rhodium [7440-16-6], Soluble compounds (as Rh)	III
514	Ronnel [299-84-3]	IV
515	Rosin core solder pyrolysis products (as Formaldehyde) [8050-09-7]	III
516	Rotenone [83-79-4]	IV
517	Selenium and compounds (as Se) [7782-49-2]	IV
518	Selenium hexafluoride (as Se) [7783-79-1]	IV

Item	Substance	Category
519	Sesone [136-78-7]	III
520	Silica, Amorphous — Diatomaceous earth (uncalcined) [61790-53-2]	I-C
521	Silica, Amorphous — fume [69012-64-2]	III
522	Silica, Amorphous — gel	I-C
523	Silica, Crystalline — α -quartz [14808-60-7; 1317-95-9] and cristobalite [14464-46-1]	III
524	Silicon carbide [409-21-2] (nonfibrous)	I-C
525	Silicon tetrahydride [7803-62-5]	II
526	Silver [7440-22-4], Metal, dust and fume	III
527	Silver [7440-22-4], Soluble compounds (as Ag)	III
528	Sodium azide [26628-22-8], as sodium azide, hydrazoic acid vapour	I-A
529	Sodium bisulfite [7631-90-5]	I-B
530	Sodium fluoroacetate [62-74-8]	II
531	Sodium hydroxide [1310-73-2]	I-A
532	Sodium metabisulfite [7681-57-4]	I-B
533	Starch [9005-25-8]	III
534	Stoddard solvent [8052-41-3]	IV
535	Strontium chromate (as Cr) [7789- 06-2]	III
536	Strychnine [57-24-9]	II
537	Styrene (monomer) [100-42-5]	IV
538	Subtilisins [1395-21-7; 9014-01-1] (Proteolytic enzymes as 100 % pure crystalline enzyme)	I-C
539	Sucrose [57-50-1]	I-C
540	Sulfometuron methyl [74222-97-2]	III
541	Sulfotep [3689-24-5]	IV
542	Sulfur hexafluoride [2551-62-4]	I-C
543	Sulfur monochloride [10025-67-9]	I-A
544	Sulfur pentafluoride [5714-22-7]	I-A
545	Sulfur tetrafluoride [7783-60-0]	I-A
546	Sulfuric acid [7664-93-9]	IV
547	Sulfuryl fluoride [2699-79-8]	III
548	Sulprofos [35400-43-2]	IV
549	2,4,5-T [93-76-5]	I-C
550	Talc [14807-96-6], fibrous	III
551	Talc [14807-96-6], non-fibrous	III

Item	Substance	Category
552	Tellurium [13494-80-9] and compounds (as Te), excluding hydrogen telluride	IV
553	Tellurium hexafluoride [7783-80- 4] (as Te)	II
554	Temephos [3383-96-8]	IV
555	Tetraethyl pyrophosphate (TEPP) [107-49-3]	IV
556	Terephthalic acid [100-21-0]	I-C
557	Terphenyls (o-, m-, p- isomers) [26140-60-3]	I-A
558	1,1,2,2-Tetrabromoethane [79-27- 6]	IV
559	1,1,1,2-Tetrachloro-2,2- difluoroethane [76-11-9]	IV
560	1,1,2,2-Tetrachloro-1, 2- difluoroethane [76-12-0]	IV
561	1,1,2,2-Tetrachloroethane [79-34- 5]	IV
562	Tetrachloroethylene (perchloroethylene) [127-18-4]	IV
563	Tetrachloronaphthalene [1335-88- 2]	III
564	Tetrahydrofuran [109-99-9]	I-B
565	Tetramethyl succinonitrile [3333- 52-6]	II
566	Tetranitromethane [509-14-8]	IV
567	Tetryl [479-45-8]	III
568	Thallium, elemental [7440-28-0], and compounds (as Tl)	III
569	4,4'-Thiobis (6-tert-butyl-m-cresol)	I-C
570	Thioglycolic acid [68-11-1]	I-B
571	Thionyl chloride [7719-09-7]	I-A
572	Thiram® [137-26-8]	III
573	Tin [7440-31-5], Metal	III
574	Tin [7440-31-5], Organic compounds (as Sn)	III
575	Tin [7440-31-5], Oxide and inorganic compounds, except SnH4 (as Sn)	III
576	Titanium dioxide [13463-67-7]	I-C
577	o-Tolidine [119-93-7]	III
578	Toluene [108-88-3]	IV
579	Toluene diisocyanate, 2,4- or 2,6- (or as	III
580	a mixture) [584-84-9; 91-08-7]	
581	o-Toluidine [95-53-4]	IV
582	m-Toluidine [108-44-1]	II
583	p-Toluidine [106-49-0]	IV

Item	Substance	Category
584	Tributyl phosphate [126-73-8]	I-B
585	Trichloroacetic acid [76-03-9]	I-B
586	1,2,4-Trichlorobenzene [120-82-1]	I-B
587	1,1,2-Trichloroethane [79-00-5]	IV
588	Trichloroethylene [79-01-6]	II
589	Trichlorofluoromethane [75-69-4]	I-A
590	Trichloronaphthalene [1321-65-9]	III
591	1,2,3-Trichloropropane [96-18-4]	III
592	1,1,2-Trichloro-1,2,2-trifluoroethane [76-13-1]	II
593	Tri-o-cresyl phosphate [78-30-8]	III
594	Triethanolamine [102-71-6]	III
595	Triethylamine [121-44-8]	IV
596	Trifluorobromomethane [75-63-8]	I-C
597	1,3,5-Triglycidyl-s-triazinetriene [2451-62-9]	III
598	Trimellitic anhydride [552-30-7]	III
599	Trimethyl benzene, isomers [25551-13-7; 526-73-8; 95-63-6; 108-67-8]	III
600	Trimethyl phosphite [121-45-9]	I-B
601	Trimethylamine [75-50-3]	I-B
602	2,4,6-Trinitrotoluene (TNT) [118-96-7]	III
603	Triphenyl amine [603-34-9]	I-C
604	Triphenyl phosphate [115-86-6]	IV
605	Tungsten [7440-33-7] (as W)	IV
606	Turpentine [8006-64-2] and selected monoterpenes [80-56-8; 127-91-3; 13466-78-9]	I-B
607	Uranium [7440-61-1] (natural), Insoluble compounds (as U)	III
608	Uranium (natural) [7440-61-1], Soluble compounds (as U)	III
609	n-Valeraldehyde [110-62-3]	I-B
610	Vanadium pentoxide [1314-62-1] as V	I-B
611	Vinyl acetate [108-05-4]	I-B
612	Vinyl bromide [593-60-2]	III
613	Vinyl chloride (monomer) [75-01-4]	III
614	Vinyl cyclohexene dioxide [106-87-6]	III
615	Vinyl toluene [25013-15-4]	I-B
616	Warfarin [81-81-2]	IV
617	Wood dust	III

Item	Substance	Category
618	Xylene (o-, m-, p- isomers) [1330-20-7; 95-47-6; 108-38-3; 106-42-3]	II
619	m-Xylene-alpha, alpha'-diamine [1477-55-0]	I-A
620	Xylidine (mixed isomers) [1300-73-8]	III
621	Yttrium [7440-65-5], metal and compounds (as Y) [7440-65-5]	III
622	Zinc chloride fume [7646-85-7]	II
623	Zinc chromates [13530-65-9; 11103-86-9; 37300-23-5] (as Cr)	III
624	Zinc Oxide [1314-13-2]	II
625	Zinc Stearate [557-05-1]	I-C
626	Zirconium [7440-67-7] and compounds (as Zr)	I-C

- 9 *Section 2.13.1 (1) and (4) is amended by striking out “to 2.13.20” and substituting “to 2.13.19”.*
- 10 *Part 3 is amended by adding the following heading immediately after the heading “PERSONNEL SAFETY”:*

Roles and Responsibilities .

- 11 *The following sections are added immediately after the heading “Roles and Responsibilities” and before the heading “Impairment and Conduct”:*

Manager’s Responsibilities

- 3.0.1 The manager is responsible for ensuring that all activities on the mine site are conducted in a manner that assures the health and safety of persons at the mine.

Supervisor’s Responsibilities

- 3.0.2 (1) A supervisor must ensure that the work the supervisor performs, or over which the supervisor has supervision, is carried out in a manner that assures the health and safety of persons at the mine.
- (2) Without limiting subsection (1), a supervisor
- (a) must follow safe work procedures and act safely in the workplace at all times,
 - (b) must ensure the health and safety of the workers under the supervisor’s direct supervision,
 - (c) must, in respect of the requirements that apply to the work over which the supervisor has supervision,
 - (i) know the requirements,
 - (ii) meet the requirements, if performing all or part of the work, and
 - (iii) ensure the requirements are met by the workers performing the work under the supervisor’s direct supervision, and
 - (d) must respond appropriately when becoming aware of an unsafe situation.

Worker’s Responsibilities

- 3.0.3 (1) A worker must ensure that the work the worker performs is carried out in a manner that assures the health and safety of persons at the mine.
- (2) Without limiting subsection (1), a worker must
- (a) follow safe work procedures and act safely in the workplace at all times,
 - (b) only carry out the work for which the worker is adequately trained, and
 - (c) be alert to hazards and report them immediately to the supervisor or manager.

Contractor's Responsibilities

- 3.0.4** (1) A contractor must ensure that the work the contractor performs, or over which the contractor has supervision, as set out in section 25 of the Act, is carried out in a manner that assures the health and safety of persons at the mine.
- (2) Without limiting subsection (1), a contractor must
- (a) follow safe work procedures and act safely in the workplace at all times,
 - (b) ensure the health and safety of the workers under the direct supervision of the contractor, if any, and
 - (c) be alert to hazards and report them immediately to the supervisor or manager.

12 *Section 3.1.1 is repealed and the following substituted:*

Impaired Persons

3.1.1 No person may enter, remain, or be knowingly permitted to enter or remain in any mine if, in the opinion of management, the person's ability is so impaired, including by way of fatigue, that the person's health or safety, or that of another person, may be endangered.

13 *Section 3.1.3 is amended by striking out "No person shall" and substituting "A person must not" and by striking out "such as horseplay" and substituting "such as bullying and harassment, sexual harassment, violence, horseplay".*

14 *The heading "Working Conditions" immediately before section 3.3.1 is amended by adding "Hazardous" before "Working".*

15 *The heading "Avalanche Safety" immediately before section 3.3.6 is repealed.*

16 *The heading "Industrial First Aid" immediately before section 3.6.1 is amended by striking out "Industrial".*

17 *Section 3.6.1 is repealed and the following substituted:*

First Aid Supplies and Services

3.6.1 The manager must ensure that first aid supplies and services, as required by the Workers' Compensation Board, are provided and maintained at the mine site.

18 *Section 3.6.3 is repealed and the following substituted:*

Means of Communication

3.6.3 The manager must ensure that a means of communication that is acceptable to an inspector, and by which the services of a physician can be obtained expeditiously, is provided at the mine site.

19 *The following section is added:*

Exploration First Aid

3.6.4 The manager for exploration activities must ensure that,

- (a) at a mine site with mechanical disturbance, there are
 - (i) a stretcher, a naloxone kit, an automated external defibrillator and an epinephrine auto injector, and
 - (ii) provision for continuous and consistent emergency communication,
- (b) at each drill at an exploration drill site, and during each shift, at least 2 members of the drill crew who have
 - (i) a valid intermediate first aid certificate and transportation endorsement, or
 - (ii) an equivalent standard acceptable to the chief inspector, and
- (c) at each drill or drilling area at a helicopter supported drilling exploration site, there is an emergency shelter, appropriate for the site environment, that has necessary provisions for at least 2 days.

20 Section 3.7.1 is amended

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

- (1) The manager must ensure that a Mine Emergency Response Plan (MERP) is developed, filed with the chief inspector, followed in the case of emergency, kept up to date and kept at the mine. ,

(b) in subsection (2) (c) by striking out “section 10.4.2 (1) (e)” and substituting “section 10.6.10”, and

(c) in subsection (3) by striking out “shall” and substituting “must”.

21 Section 3.7.6 is amended by striking out “compliment” and substituting “complement”.

22 The heading “Underground Enclosures (Fuel Pipelines and Storage)” immediately before section 4.3.1 is repealed and the following substituted:

**Underground Mines – Enclosures, Service Areas,
Fuel Stations, Pipelines and Storage .**

23 Section 4.3.4 (1) is amended by striking out “section 4.8.1(2)(b)” and substituting “section 4.3.10 (2) (b)”.

24 The heading “Fuel Pipelines Underground Mines” immediately before section 4.3.5 is repealed.

25 The heading “Fixed Equipment (Plant and Machinery)” immediately before section 4.4.1 is repealed.

26 Section 4.4.1 is renumbered as section 4.5.01.

27 Section 4.4.16 is amended

(a) in subsection (8.1) by striking out “section 4.2.2, subsection (8) applies” and substituting “section 4.4.2, subsection (8) of this section applies”, and

(b) in subsection (9.1) by striking out “Subsection (9)” and substituting “Subsection (9) of this section” and by striking out “section 4.2.2” and substituting “section 4.4.2”.

28 *The heading “Flammable Materials” immediately before section 4.8.1 is repealed and the following substituted:*

Off-road Vehicles (ORVs) .

29 *Sections 4.8.1, 4.8.2 and 4.8.3 are renumbered as sections 4.3.10, 4.3.11 and 4.3.12, respectively.*

30 *The following sections are added:*

Prohibitions

4.8.4 The manager must ensure that all-terrain vehicles (ATVs) and all-terrain cycles (ATCs) are not used on the mine site.

Manager’s Responsibilities

- 4.8.5** (1) The manager must ensure that the operator of an off-road vehicle (ORV) is
- (a) under the supervision of a qualified person, and
 - (b) trained for the work being performed using the off-road vehicle (ORV).
- (2) The manager must ensure that procedures for the safe operation of off-road vehicles (ORVs) used for mining activities are developed, implemented and followed.

Supervisor’s Responsibilities

- 4.8.6** (1) The supervisor must ensure
- (a) that, prior to an operator operating an off-road vehicle (ORV), the operator has completed training on
 - (i) the specific type of off-road vehicle (ORV) that the operator will be using, and
 - (ii) the terrain on which the operator will be using the off-road vehicle (ORV), and
 - (b) that an operator of an off-road vehicle (ORV) is competent and authorized to do so.
- (2) The supervisor must ensure that each off-road vehicle (ORV) is maintained in accordance with the operator’s manual supplied by the manufacturer.

Worker’s Responsibilities

- 4.8.7** (1) A worker must not operate an off-road vehicle (ORV) unless the worker
- (a) has completed the training required under sections 4.8.5 (1) (b) and 4.8.6 (1) (a), and
 - (b) is authorized by a qualified person.
- (2) When operating an off-road vehicle (ORV), the worker must

- (a) maintain full control of the off-road vehicle (ORV), and
- (b) operate the off-road vehicle (ORV)
 - (i) in a safe manner at all times,
 - (ii) only within its intended work purpose, and
 - (iii) in accordance with the training referred to in subsection (1) (a).

Transporting

- 4.8.8** (1) The manager must ensure that transporting an off-road vehicle (ORV) is done in a safe manner, including ensuring that the off-road vehicle (ORV) is
- (a) secured to a trailer while in transit, and
 - (b) not transported in or on the back of a truck.
- (2) The manager must ensure that loading or unloading an off-road vehicle (ORV) on or off a trailer is done in a safe manner, including ensuring that
- (a) a loading ramp is secured to the trailer,
 - (b) the load rating of the loading ramp is not exceeded, and
 - (c) the loading ramp is wide enough, is at a suitable angle and has an appropriate grip surface for the off-road vehicle (ORV) tires or tracks to properly grip and not slip.

Use of Off-road Vehicle

- 4.8.9** (1) Despite section 6.19.2, the manager must ensure that
- (a) a logbook system is provided for each off-road vehicle (ORV), and
 - (b) before an off-road vehicle (ORV) is used, it is inspected by the operator who, in the logbook,
 - (i) notes the condition,
 - (ii) notes any unsafe conditions, and
 - (iii) in the case of a qualified person making repairs, notes any repairs made and if the off-road vehicle (ORV) is safe to operate.
- (2) The manager must ensure that before an off-road vehicle (ORV) is used, it is outfitted with
- (a) a whip antenna that is fitted with a flag and lamp high enough to be visible to the drivers of all vehicles, or
 - (b) a flashing light mounted above the cab of the off-road vehicle (ORV).
- (3) The manager must ensure that any modification to an off-road vehicle (ORV) that could impact its structural integrity or stability is certified by a professional engineer before it is used.
- (4) The manager must ensure that the use of an off-road vehicle (ORV) with an operator cab is only permitted if the windows and doors of the operator cab are kept installed and in good condition.
- (5) The manager must ensure that when an off-road vehicle (ORV) is being used, the operator and passengers, if any, wear
- (a) appropriate personal protective equipment, as determined by a risk assessment,

- (b) an off-road vehicle (ORV) helmet that meets the requirements set out in section 22 of the Off-Road Vehicle Regulation, B.C. Reg. 193/2015, other than while underground in an underground mine,
 - (c) a seatbelt, except in the case of a snowmobile, and
 - (d) any personal protective equipment recommended in the owner's manual that does not conflict with the requirements of paragraphs (a) to (c) of this subsection.
- (6) The manager must ensure that the operator's manual of an off-road vehicle (ORV) is kept with the off-road vehicle (ORV) and maintained in a readable condition.

31 *Section 4.9.11 (3) is amended by striking out “or side-by-side all-terrain vehicles (ATVs) shall” and substituting “must”.*

32 *Section 4.17.3 is repealed and the following substituted:*

Manager's Requirement

- 4.17.3** The manager must ensure that no person enters an excavation over 1.2 m in depth, unless
- (a) immediately before the person is allowed to enter the excavation,
 - (i) a qualified person inspects the excavation, and
 - (ii) any hazards identified by the qualified person under subparagraph (i) are made safe, and
 - (b) at least one of the following has been done in the excavation:
 - (i) the sides have been sloped to a safe angle not exceeding 3 horizontal to 4 vertical;
 - (ii) the sides have been supported in accordance with the minimum requirements specified in Tables 4-2 and 4-3;
 - (iii) the sides have been sloped or supported in accordance with the written instructions of a professional engineer.

33 *Section 4.17.4 is repealed and the following substituted:*

Sloping or Combination of Sloping and Shoring

- 4.17.4** The manager must ensure that when using sloping, or a combination of sloping and shoring, the protection provided to a person is, at the least, equivalent to that of meeting the minimum code requirements for the overall depth of the excavation.

34 *The table immediately following section 4.17.15 is amended by striking out “TABLE 17.1” immediately after the heading “EXCAVATIONS OVER 1.2 M IN DEPTH” and substituting “TABLE 4-2”.*

35 *The table immediately before section 4.18.1 is amended*

- (a) *by striking out “TABLE 17.2” immediately after the heading “EXCAVATIONS OVER 1.2 M IN DEPTH” and substituting “TABLE 4-3”, and*

(b) by striking out “Notes on Table 17.1 apply to Table 17.2” *and substituting* “Notes on Table 4-2 apply to Table 4-3”.

36 *The heading “Application of Electrical Rules” immediately before section 5.1.1 is repealed and the following substituted:*

Electrical – General .

37 *Section 5.1.1 is amended by striking out* “Unless modified by this code, all electrical equipment shall be” *and substituting* “The manager must ensure that, unless modified by this code, all electrical equipment is”.

38 *Section 5.1.2 is repealed and the following substituted:*

Electrical Work

- 5.1.2** (1) The manager must ensure that design, installation, alteration and maintenance work performed under section 5.1.1 is only performed by, or under the supervision of, a certified person.
- (2) The chief inspector may, for the purposes of subsection (1), require the certified person to be a professional engineer.

39 *The following sections are added:*

Electrical Safety Plan

- 5.1.3** (1) The manager must ensure that an electrical safety plan for the mine is developed, implemented and updated whenever relevant conditions or regulations change.
- (2) The electrical safety plan must include training for workers who may be exposed to an electrical hazard while doing any of the following:
- (a) performing maintenance on specialized equipment in the workplace, including
 - (i) electrolytic cells,
 - (ii) batteries, battery rooms or battery enclosures,
 - (iii) lasers,
 - (iv) power electronics equipment, or
 - (v) mobile electrical equipment;
 - (b) operating induced polarization geophysical systems as referred to in section 9.3.5 of this code.
- (3) The manager must ensure that the electrical safety plan is kept at the mine and made available to an inspector on request.

Worker’s Awareness

- 5.1.4** The manager must ensure that any person working near high voltage electrical equipment or conductors, whether exposed or potentially exposed during their work, is properly trained and familiar with
- (a) the existence, location and voltage of the electrical equipment or conductors, and

- (b) the work arrangements and procedures to be followed in accordance with the electrical safety plan referred to in section 5.1.3.

Notices and Information

- 5.1.5** (1) For any permanent electrical installation at a new mine, the manager must ensure that
- (a) an electrical plan, approved by an electrical engineer registered within British Columbia, is developed for the use of electrical energy at the mine, and
 - (b) the electrical plan is forwarded to the chief inspector prior to the introduction of electricity at the mine.
- (2) For any existing mine, the manager must ensure that
- (a) a notification is sent to the chief inspector prior to the construction, expansion, alteration or replacement of fixed substations at the mine, and
 - (b) electrical plans respecting the actions referred to in paragraph (a) are kept at the mine and made available to an inspector on request.

Warning Notices

- 5.1.6** The manager must ensure that all vaults, rooms, enclosures or areas containing electrical equipment have a permanent, legible warning notice affixed in a conspicuous position at all points of entry or access which identifies the danger and indicates the highest voltage in use.

System Testing

- 5.1.7** (1) The manager must ensure that supply systems for mobile electrical equipment are tested before being put into service, and at least once a year thereafter, to prove the effectiveness of the ground fault tripping and the ground conductor monitoring circuits.
- (2) The manager must ensure that a record of the tests required under subsection (1) are kept at the mine and made available to an inspector on request.

Electrical Test Equipment

- 5.1.8** The manager must ensure that electrical test equipment is
- (a) inspected before each use, and
 - (b) maintained for safe operation and calibrated to ensure accuracy.

Electrically Insulated Elevating Work Platform

- 5.1.9** (1) The manager must ensure that any insulated elevating work platform that workers use to perform electrical related tasks is dielectrically tested in accordance with section 5.3.4 of Standard CAN/CSA-C225:20 “Vehicle-Mounted Aerial Devices” at least once every 12 months.
- (2) The manager must ensure that the insulating capability of the electrically insulated elevating work platform is certified by a CSA recognized testing agency.

- (3) If the electrically insulated elevating work platform fails dielectric testing as set out in subsection (1), or if it is to be used only as a non-electrically insulated elevating work platform, the failure or use must be clearly identified on the platform, and on all of its related labeling, and in its records and logbook.

Submersible Pumps

- 5.1.10** The manager must ensure that a submersible pump that is supplied by a portable trailing cable is provided with ground fault protection to
- (a) limit ground fault current to a maximum of 25 amps, and
 - (b) automatically isolate the supply in the event of a ground fault.

Low Voltage Disconnection and Lockout

- 5.1.11** (1) The manager must ensure that low voltage electrical equipment is completely disconnected and locked out before starting work on it.
- (2) Despite subsection (1), if adjustments, tests, calibrations, repairs or alterations with respect to electrical conductors or circuit parts cannot be performed in a de-energized state because of equipment design or operational limitations, or de-energizing will introduce new hazards or increase existing hazards,
- (a) energized work may be performed, and
 - (b) all necessary precautions consistent with the nature and extent of the hazards must be taken to ensure that the work can be performed safely.

Electrical Rooms

- 5.1.12** (1) The manager must ensure that electrical rooms are located and constructed to have the best practical protection against fire propagation, water and dust ingress and corrosive atmospheres.
- (2) The manager must ensure that access to electrical rooms is restricted to authorized personnel only.
- (3) The manager must ensure that electrical rooms are sufficiently ventilated to maintain the electrical equipment inside at safe temperatures.
- (4) The manager must ensure that clear access to electrical equipment is maintained at all times.
- (5) The manager must ensure that electrical rooms
- (a) are not used for general storage,
 - (b) store only equipment and materials directly related to the electrical system,
 - (c) do not store flammable materials, including combustible liquids and gases, and
 - (d) are not used as a workstation for work not related to the electrical equipment in the room.
- (6) The manager must ensure that items stored in an electrical room do not obstruct egress routes or interfere with ventilation systems, fire protection systems or any other safety-critical infrastructure within the electrical room.

- (7) The manager must ensure that items such as spare fuses, arc flash personal protective equipment, high voltage tools and draw-out type breakers are stored in appropriate storage areas.
- (8) The manager must ensure that each electrical room has a single-line diagram posted showing, for that electrical room,
 - (a) the relative locations of all fixed electrical distribution equipment,
 - (b) the ratings of all fixed electrical distribution equipment, and
 - (c) the routes, properly noted and referenced, of all fixed power distribution feeders.
- (9) The manager must ensure that the single-line diagrams referred to in subsection (8) are reviewed and updated at least annually and after any significant change to the electrical system.

Isolating Surface Workings

5.1.13 The manager must ensure that the operation of high voltage switchgear is conducted by a qualified person.

40 *Part 5 is amended*

(a) by repealing the heading “Notices and Information” immediately before section 5.2.1 and substituting the following:

Underground Mines , and

(b) by adding the following section:

Isolating Underground Workings

- 5.2.01**(1) The manager must ensure that switchgear is
- (a) installed at a convenient location on surface to provide the means for isolating all underground circuits, and
 - (b) operated by a qualified person.
- (2) The manager must ensure that switchgear installed underground is
- (a) built of non-combustible materials, and
 - (b) fixed in a vertical position on a metal frame or plate.
- (3) The manager must ensure that switchboards located underground are
- (a) recessed from hallways, and
 - (b) have a floor on which water cannot accumulate.

41 *Sections 5.2.1 and 5.2.2 are repealed.*

42 *Sections 5.2.3 and 5.2.4 are renumbered as sections 5.6.3 and 5.6.4, respectively.*

43 *The heading “Inspection and Maintenance of Power Systems in Underground Coal Mines and Hazardous Locations” immediately before section 5.3.1 is repealed and the following substituted:*

Cables .

44 *Sections 5.3.1, 5.3.2 and 5.3.3 are renumbered as sections 5.6.5, 5.6.6 and 5.6.7, respectively.*

45 *The following sections are added:*

Handling Trailing Cables

5.3.4 In accordance with sections 1.8.1 and 1.8.2,

- (a) the manager must ensure that appropriate protective equipment is provided to a person handling energized trailing cables at the mine, and
- (b) the person must use the equipment as instructed by a qualified person and ensure it is in good working order.

Defective Trailing Cables and Associated Connection Accessories

5.3.5 The manager must ensure that defective trailing cables and associated connection accessories are

- (a) inspected by a certified person to confirm they are in safe operating condition before they are returned to service, or
- (b) if paragraph (a) does not apply, identified and removed from service.

Damaged Trailing Cables and Associated Connection Accessories

5.3.6 (1) The manager must ensure that damaged trailing cables and associated connection accessories are, before being returned to service,

- (a) repaired by a certified person or by a qualified person under the supervision of a certified person, and
- (b) tested by a certified person.

(2) The manager must ensure that a record of the tests required under subsection (1) (b) are kept at the mine and made available to an inspector on request.

Armored Cables

5.3.7 The manager must ensure that at the mine site,

- (a) armored cables are not used in place of portable power cables or flexible cords, and
- (b) armored cable connections or terminations are not made using any type of quick connect couplers.

Single-conductor Cable Connections

5.3.8 (1) The manager must ensure that single-conductor quick connect couplers are not used on three-phase electrical systems at the mine site.

(2) Despite subsection (1), a single-conductor quick connect coupler may be used on a three-phase electrical system at the mine site if the coupler is protected from being disconnected while energized through one of the following means:

- (a) the coupler is mechanically or electrically interlocked with the upstream disconnect switch in a way that ensures the coupler can only be engaged or disengaged while de-energized;
- (b) through the use of a trapped key lock method, or a substantially similar method, the coupler is rendered inaccessible to persons while it is energized.

46 *Part 5 is amended*

- (a) *by repealing the heading “Isolating Switchgear” immediately before section 5.4.1 and substituting the following:*

Switching Sequences , and

- (b) *by adding the following section:*

Switching Plan

- 5.4.01 (1) The manager must ensure that a written switching plan is developed, reviewed and implemented prior to the coordinated operation of high voltage electrical switchgear.
- (2) The written switching plan must include an up-to-date and detailed electrical single-line diagram, the sequence of operations and the devices to be operated and any corresponding steps.

47 *Section 5.4.1 is repealed.*

48 *Part 5 is amended*

- (a) *by repealing the heading “Trailing Cable Use and Repair” immediately before section 5.5.1 and substituting the following:*

Control Systems , and

- (b) *by adding the following section:*

General Requirements for Control Systems

- 5.5.01 The manager must ensure that
 - (a) the risk to workers posed by electrical equipment with control systems is minimized,
 - (b) the controlled equipment cannot be inadvertently activated,
 - (c) emergency stop devices are hardwired, and
 - (d) after a power interruption or low voltage occurrence, automatic startup is prevented if automatic startup in such circumstances is likely to create a hazard for workers.

49 *Sections 5.5.1, 5.5.2 and 5.5.3 are repealed.*

50 *The heading “Submersible Pumps” immediately before section 5.6.1 is repealed.*

51 *Section 5.6.1 is repealed.*

- 52 *The following heading and section are added immediately before the heading “Supply Systems for Mobile Electrical Equipment” that appears immediately before section 5.7.1:*

Underground Coal Mines and Hazardous Locations

Underground Coal Mines and Hazardous Locations

5.6.2 Electrical energy used in an underground coal mine or in a hazardous location must conform to the requirements in the Canadian Electrical Code.

- 53 *The heading “Supply Systems for Mobile Electrical Equipment” immediately before section 5.7.1 is repealed.*

- 54 *Sections 5.7.1 and 5.7.2 are repealed.*

- 55 *Part 9 is amended*

(a) *by repealing the heading “Notice Requirements” that appears immediately after section 9.1.1, and*

(b) *by repealing sections 9.2.1, 9.3.1, 9.3.2 and 9.3.3.*

- 56 *Section 9.3.5 is repealed and the following substituted:*

Induced Polarization Geophysical Survey Systems

- 9.3.5 (1) The manager must ensure that, where an induced polarization geophysical survey system is being operated,
- (a) energized wires are sufficiently insulated to prevent electric shock,
 - (b) induced polarization electrodes have visible warning stickers stating “Danger – High Voltage”,
 - (c) signs are posted to warn other persons who may enter the area, and
 - (d) a continuous and consistent means of communication is provided to every member of the crew whose movements are out of sight and sound of the other crew members.
- (2) The manager must ensure that all wires and signs used during the survey work described in subsection (1) are removed from the site after the survey work is completed.
- (3) The manager must ensure that electric blasting activities are coordinated with active induced polarization and active electromagnetic survey work.

- 57 *Section 9.3.6 is repealed.*

- 58 *Section 9.4.1 (1) is renumbered as section 9.4.1.*

- 59 *Section 9.4.1 is amended*

- (a) *by striking out* “Exploration activities shall” *and substituting* “The manager must ensure that exploration activities in community watersheds are carried out in a manner that”,
- (b) *in paragraph (a) by striking out* “maintain” *and substituting* “maintains”,
- (c) *in paragraph (b) by striking out* “protect” *and substituting* “protects”, *and*
- (d) *in paragraph (c) by striking out* “not degrade” *and substituting* “does not degrade”.

60 Section 9.4.2 is repealed and the following substituted:

Notification Requirements

9.4.2 The owner, agent or manager responsible for exploration activities in a community watershed must ensure that,

- (a) at least 48 hours before the start date of the exploration activities, the water license holder of record or the representative of record is notified,
- (b) before commencing the exploration activities, a contingency plan is in place to restore potable water in the event those activities adversely impact potable water quality or quantity, and
- (c) if the exploration activities adversely impact potable water quality or quantity, those activities are immediately ceased and remedial action taken.

61 Table 9.1 is repealed and the following substituted:

Table 9-1

Riparian Setback Distances

(Measured horizontally from the top of bank)

Column 1 Riparian Type		Column 2 Helicopter Supported Drilling (m)	Column 3 Ground Based Drilling, Trenching & Exploration Access (m)
Stream	Stream Width (m)		
	>100*	50	100
	>20 - ≤ 100	50	70
	>5 - ≤ 20	30	50
	>1.5 - ≤ 5	20	40
	≤ 1.5	5	30
	<0.5 in alpine areas above timberline	5	15
Wetland	Wetland Size (ha)		
	>5	10	50
	>1.0 - ≤ 5.0	10	30
	>0.25 - ≤ 1.0	10	30

	≤ 0.25	10	10
	wetland complexes	10	50
Lake		10	30

* if the stream averages, over a 1 km length, either a stream width or an active flood plain width of 100 m or greater.

62 Section 9.5.1 is amended

(a) by adding the following headnote:

Riparian Setbacks ,

(b) by adding the following subsection:

(0.1) The manager must ensure that the riparian setback distance for each watercourse set out in Table 9-1 is measured horizontally from the natural boundary. ,

(c) in subsection (1) by striking out “Table 9.1” and substituting “Table 9-1”,

(d) in subsection (2) by striking out “those in (1) may occur within the riparian setback distances noted in Table 9.1” and substituting “those in subsection (1) may occur within the riparian setback distances noted in Table 9-1”, and

(e) in subsection (3) by striking out “Table 9.1 pursuant to (2) the owner, agent or manager shall prepare a management plan, acceptable to an inspector, shall be approved” and substituting “Table 9-1 pursuant to subsection (2), the owner, agent or manager must ensure that a management plan is prepared for, and approved by, an inspector”.

63 Section 9.6.1 is repealed and the following substituted:

9.6.1 The manager must ensure that exploration activities are carried out in the following manner:

- (a) soil loss is minimized so that the site can be reasonably reclaimed to support appropriate self-sustaining vegetation;
- (b) all available soil and coarse woody debris in the disturbance area are salvaged and stockpiled for use in reclamation;
- (c) salvaged and stockpiled materials are protected from erosion, degradation and contamination.

64 Section 9.7.1 is amended

(a) in subsection (1) by striking out “Exploration activities shall be designed and implemented by a qualified person to minimize” and substituting “The manager must ensure that exploration activities are designed and implemented in a way that minimizes”,

(b) by repealing subsection (2) and substituting the following:

- (2) If an exploration activity causes an event set out in subsection (1), the owner, agent or manager must ensure that
 - (a) necessary steps are taken immediately to protect human life and safety, and
 - (b) as soon as practicable,
 - (i) any disturbed areas are stabilized, and
 - (ii) the event is reported to an inspector. , *and*

(c) by adding the following subsection:

- (3) If an exploration activity causes an event set out in subsection (1) and that event
 - (a) places human life or safety at risk,
 - (b) damages property or infrastructure,
 - (c) adversely affects water quality or flow or damages water supply infrastructure,
 - (d) results in harmful alteration to fish habitat, or
 - (e) results in harmful alteration of regionally significant wildlife habitat,the owner, agent or manager must ensure that a remediation plan acceptable to an inspector is prepared by a qualified professional within 30 days of the start of the event and the plan is implemented within the time frame specified by the inspector.

65 *Section 9.8.1 (1) is renumbered as section 9.8.1.*

66 *Section 9.8.1 is amended*

(a) by striking out “Where” and substituting “The manager must ensure that where” and by striking out “shall be constructed that minimize” and substituting “are constructed in a way that minimizes”, and

(b) in paragraph (d) by striking out “scheme” and substituting “program”.

67 *Section 9.9.1 is repealed and the following substituted:*

Fuels and Lubricants

- 9.9.1** (1) The owner, agent or manager must ensure that liquid hydrocarbon products are stored in a manner that minimizes the possibility of accidental discharge to the environment.
- (2) Unless authorized by an inspector, the owner, agent or manager must ensure that liquid hydrocarbon products are not stored within 30 m of a watercourse.
 - (3) The manager must ensure that ground-based machinery is not fueled or serviced within the riparian setback distances set out under Column 3 of Table 9-1, other than
 - (a) pumps, or
 - (b) machinery that is
 - (i) hand held,
 - (ii) required for fire fighting,

- (iii) broken down and requiring fueling or servicing to be moved, or
 - (iv) authorized by an inspector to be fueled or serviced in the area.
- (4) The owner, agent or manager must ensure that all liquid hydrocarbon containers, whether empty or full, are removed from every exploration site by the end of each field season, unless otherwise authorized by an inspector.

68 **Section 9.10.1 is amended**

- (a) in subsection (1) by striking out “The construction” and substituting “The owner, agent or manager must ensure that construction” and by striking out “shall result” and substituting “results”,**
- (b) in subsection (1) (a) by striking out “matter” and substituting “substances”,**
- (c) in subsection (2) by striking out “Clearing of standing timber shall not” and substituting “The owner, agent or manager must ensure that the clearing of standing timber does not”,**
- (d) in subsection (3) by striking out “Material” and substituting “The owner, agent or manager must ensure that material” and by striking out “shall not be” and substituting “is not”,**
- (e) in subsection (4) by striking out “Exploration access shall not” and substituting “The owner, agent or manager must ensure that exploration access does not”,**
- (f) by repealing subsection (5) and substituting the following:**
 - (5) The owner, agent or manager must ensure that a program is developed and implemented to routinely monitor and maintain exploration access so that the exploration access is stable and safe for the intended use until it is reclaimed to the satisfaction of an inspector. ,
- (g) in subsection (6) by striking out “Deactivation of exploration sites and access shall result in” and substituting “The owner, agent or manager must ensure that the deactivation of exploration sites and access results in”,**
- (h) in subsection (7) by striking out “Reclamation of exploration access shall result in” and substituting “The owner, agent or manager must ensure that reclamation of exploration access results in”,**
- (i) in subsection (7) (a) by striking out “patterns,” and substituting “patterns to as close to natural predisturbance conditions as possible”,**
- (j) in subsection (7) (d) by striking out “stream”,**
- (k) in subsection (7) (e) by striking out “erosion, and” and substituting “erosion, which may include recontouring if so directed by an inspector, and”,**
- (l) in subsection (8) by striking out “Stream crossings shall be” and substituting “The manager must ensure that stream crossings are”,**

(m) in subsection (9) by striking out “Stream crossings on streams that do not contain fish shall be” **and substituting** “The manager must ensure that stream crossings on streams that are not fish streams are”,

(n) by repealing subsection (10) and substituting the following:

(10) The owner, agent or manager must ensure that bridge design, fabrication and installation are certified or approved by a qualified professional. ,

(o) in subsection (11) by striking out “An” **and substituting** “The” **and by striking out** “shall” **and substituting** “must”,

(p) in subsection (11) (a) by striking out “person” **and substituting** “professional”,

(q) by repealing subsection (11) (c) and substituting the following:

(c) any deficiencies identified during an inspection referred to in paragraph (a), or identified in any other way, are

(i) addressed immediately, if they pose a significant risk to public or worker safety or the environment, or

(ii) corrected as soon as practicable, if subparagraph (i) does not apply. ,

(r) by repealing subsection (12) and substituting the following:

(12) The owner, agent or manager must ensure that bridges, stream culverts and their approaches are designed, constructed and maintained to pass the peak flows set out in Table 9-2. ,

(s) in subsection (13) by striking out “Despite 9.10.1 (12)” **and substituting** “Despite subsection (12),”, **and**

(t) in subsection (13) (b) and (c) by striking out “annual” **and substituting** “seasonal”.

69 Table 9.2 is renamed Table 9-2.

70 Section 9.11.1 is amended

(a) in subsection (1) by striking out “Drill sites shall not be located” **and substituting** “The owner, agent or manager must ensure that drill sites are not located”,

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

(b) within a lake or wetland unless a management plan, including provision for management of drilling discharge, has been approved by an inspector, or ,

(c) by repealing subsection (1) (c),

(d) in subsection (1) (d) by striking out “Table 9.1,” **and substituting** “Table 9-1, unless”,

(e) in subsection (1) (d) (i) by striking out “unless”,

(f) in subsection (1) (d) (ii) by striking out “shall”,

(g) in subsection (2) by striking out “shall” **and substituting** “must”,

(h) by repealing subsection (3) and substituting the following:

- (3) Unless otherwise authorized by an inspector, the owner, agent or manager must ensure that practicable measures are taken during exploration drilling operations that
- (a) effectively manage the flow of drilling discharge to a sump or containment, and
 - (b) minimize the impact on streams, wetlands or lakes. ,

(i) in subsection (4) by striking out “Appropriate emergency spill kits shall be” and substituting “The owner, agent or manager must ensure that appropriate emergency spill kits are”,

(j) by repealing subsection (5) and substituting the following:

- (5) Despite subsections (5.1) and (5.2), the owner, agent or manager must ensure that groundwater does not flow from completed exploration drill holes without the written authorization of an inspector. ,

(k) by adding the following subsections:

- (5.1) Unless otherwise authorized in writing by an inspector, the owner, agent or manager must ensure that
- (a) within one year of cessation of exploration activities, exploration drill holes are effectively sealed, and
 - (b) before abandoning the exploration drill holes, each one is
 - (i) decommissioned,
 - (ii) effectively sealed below ground level, and
 - (iii) covered with soil, if soil is available in the local area, or, if soil is not available, with other material in the local area.
- (5.2) Subsection (5.1) does not apply to an exploration drill hole if, on or before June 22, 2026, the exploration drill hole was
- (a) decommissioned, or
 - (b) not required to be sealed by condition of a permit. ,

(l) by repealing subsection (6), and

(m) by repealing subsection (7) and substituting the following:

- (7) The owner, agent or manager must ensure that, for exploration drilling operations in coal or coal-bearing formations,
- (a) measures are taken to manage the risk of loss of control of an exploration drill hole due to an uncontrolled release of pressurized fluids,
 - (b) safe operating procedures

- (i) are developed by a qualified professional, implemented and made available to an inspector on request, and
- (ii) include the following matters:
 - (A) gas detection and monitoring, including for flammable and toxic gases;
 - (B) any preventative equipment to be used to divert gases or prevent the uncontrolled release of pressurized fluids;
 - (C) training requirements for field and drilling personnel regarding procedures, assignment of responsibilities and operation of monitoring and preventative equipment;
 - (D) requirements and procedures for decommissioning, which may include capping or cementing, to ensure that fluids will not leak from the exploration drill hole, and
- (c) if control of an exploration drill hole is lost or compromised, all actions necessary must be taken without delay to safely bring the exploration drill hole under control.

71 Section 9.12.1 is amended

(a) in subsections (1) and (2) by striking out “An exploration camp” and substituting “The manager must ensure that an exploration camp” and by striking out “shall be” and substituting “is”, and

(b) by repealing subsection (3) and substituting the following:

- (3) The manager must ensure that, before leaving a camp for the season or reclaiming a camp site, all refuse and animal attractants are properly disposed of or removed from the site.

72 The following heading and section are added immediately after section 9.12.1:

Waste and Refuse

9.13.01 The owner, agent or manager must ensure that, on cessation of exploration activities, all waste and other refuse is disposed of properly.

73 Part 10 is amended by adding the following section immediately before the heading “Permit Application”:

Proposed Exploration Activities

10.1.3.1(1) Prior to undertaking exploration activities and pursuant to section 10 of the *Mines Act*, the owner, agent, manager or any other person must submit to an inspector a Notice of Work, unless otherwise directed by the chief permitting officer, which must include

- (a) information required pursuant to the *Mines Act* and this code and any other information as directed by an inspector,
- (b) maps and schedules of the proposed exploration activities,
- (c) tenure information relevant to the exploration activities, and

(d) details of actions designed to minimize any adverse impacts of the proposed activities.

(2) A copy of all permits and authorizations issued with respect to the exploration activities must be maintained at the mine while exploration activities are taking place.

(3) An annual summary of exploration activities, as directed by the chief permitting officer, must be submitted by March 31 of the following year.

74 Section 10.2.6 (1) is amended by striking out “permitting office” and substituting “permitting officer”.

75 Section 10.5.5 (3) and (4) is repealed.

76 Section 10.5.7 (3) (b) is amended by striking out “or snow” and substituting “on snow”.

77 Section 10.6.6 (10) is repealed.

78 Section 10.6.7 (12), (13) and (14) is repealed.

79 Section 10.6.10 (4) is repealed.