



Explosives, Storage and Use Permit Application

For Surface Magazines

File: 14600-03

1. Company Name (Mine Operator): _____

2. Property Name: _____

3. Business Address: _____

4. Telephone: _____ Fax: _____

5. Name of Manager: _____

6. Certified Blaster Responsible: (if applicable) _____

7. Location of Magazines

Latitude: _____ Longitude: _____

Attach a scaled plan of the property showing claim names, roads, mine workings, plant area, camp area, dwellings and magazines.

Other Information: _____

8. Explosives Magazine:

Type No.: _____ Tag No.: _____ Construction: _____

Length: _____m Width: _____m Height: _____m Maximum Quantity: _____kg

Distance from Road or Work Area: _____m

Distance from Dwelling or Flammable Material Storage Area: _____m

9. Detonator Magazine:

Type No.: _____ Tag No.: _____ Construction: _____

Length: _____m Width: _____m Height: _____m Maximum Quantity: _____detonators

Type of Detonators: _____

Distance from Road or Work Area: _____m

Distance from Dwelling or Flammable Material Storage Area: _____m

10. _____

Manager

Date

Inspector of Mines

Date

B.C. Permit No.

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Using the Quantity-Distance Table for Hazard Divisions 1.1 & 1.5 (Columns D1 to D8)

- D1 & D3 As these apply primarily to factory operations, they have been deleted here.
- D2 This is the distance that is required to separate two magazines, provided that there is an effective barricade between them. There is little change from the current requirements.
- D4 This is the required distance between a magazine and a very lightly-travelled road. (Provincially numbered highways do not qualify as lightly travelled roads.)
- D5 This is the distance required from a magazine to most roads and highways. Note that there is an overriding minimum distance of 180 m.
- D6 This is the distance between unbarricaded magazines.
- D7 This column is called Inhabited Building Distance. It applies to very busy roads (more than 5,000 vehicles in a 24-hour period) and to buildings where people may assemble. Note that there are minimum distances (new requirements): 270 m to an isolated inhabited building and 400 m to groups of buildings.
- D8 This is the distance (new requirement) from a magazine to a building of vulnerable construction. Vulnerable construction includes high-rises, schools, hospitals, etc. Note that this is twice the normal Inhabited Building Distance found in D7. There is an overriding distance of 400 m.

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QUANTITY-DISTANCE TABLE FOR HAZARD DIVISIONS 1.1 & 1.5

NEQ kg	Quantity-Distance (metres)							
	D1	D2	D3	D4	D5	D6	D7	D8
50	5	10	18	30	180	45	270	400
60		10	19	32		45		
70		10	20	33		45		
80		11	21	35		48		
90		11	22	36		50		
100		12	23	38		53		
120		12	24	40		55		
140		13	25	42		60		
160		14	27	44		63		
180		14	28	46		65		
200	5	15	29	47		65		
250	6	16	31	51		70		
300	6	17	33	54		75		
350	6	17	34	57		80		
400	6	18	36	59		83		
450	7	19	38	62		88		
500	7	20	39	64		90		
600	7	21	42	68		95		
700	8	22	45	72		100		400
800	8	23	48	75		105		415
900	8	24	50	78		108		430
1000	8	24	53	80		113		445
1200	9	26	58	86		120		475
1400	9	27	63	90		125		500
1600	10	29	68	94		130		520
1800	10	30	73	98		135		540
2000	11	31	78	105	180	140	270	560
2500	11	33	90	110	185	153	275	610
3000	12	35	105	120	205	163	305	640
3500	13	37	115	125	220	170	330	680
4000	13	39	130	130	235	178	350	710
5000	14	42	140	140	255	190	380	760
6000	15	44	150	150	270	203	405	810
7000	16	46	155	155	285	213	425	850
8000	16	48	160	160	300	223	445	890
9000	17	50	170	170	310	235	465	930
10000	18	52	175	175	320	240	480	960
12000	19	55	185	185	340	255	510	1020
14000	20	58	195	195	360	270	540	1080
16000	21	61	205	205	375	280	560	1120
18000	21	63	210	210	390	295	590	1180
20000	22	66	220	220	405	305	610	1220
25000	24	71	235	235	435	325	650	1300
30000	25	75	250	250	460	345	690	1380
35000	27	79	265	265	485	365	730	1460
40000	28	83	275	275	510	380	760	1520
50000	30	89	295	295	550	410	820	1640
60000	32	94	315	315	580	435	870	1740
70000	33	99	330	330	610	460	920	1840
80000	35	105	345	345	640	480	960	1920
90000	36	110	360	360	670	500	1000	2000
100000	38	115	375	375	690	520	1040	2080
120000	40	120	395	395	730	550	1100	2200
140000	42	125	420	420	770	580	1160	2320
160000	44	135	435	435	810	610	1220	2420
180000	46	140	455	455	840	630	1260	2520
200000	47	145	470	470	870	650	1300	2600
250000	51	155	510	510	940	700	1400	2800

Source: Natural Resources Canada