

P.O. Box 1500,
Yellowknife, N.W.T.,
X1A 2R3
August 30, 1978.

Government of the Northwest Territories,
YELLOWKNIFE, N.W.T.
XGE 1A0

Attention: S.M. Hodgson
Commissioner

Dear Commissioner Hodgson:-

Revisions to Mining Safety Rules

I enclose some proposed revisions to the Mining Safety Rules. I have circulated them to the mines and unions over the past three months and have received some questions and criticisms which I have answered.

None of the objections were such as to warrant a change of the proposals.

I hereby recommend that the proposed revisions be made to the Mining Safety Rules.

I enclose a copy of the revisions, and the correspondence.

Yours truly,

ORIGINAL SIGNED BY
M. L. BROWN

M.L. Brown,
Regional Mining Engineer &
Mining Inspector.

Brown:eds

Enclosures

C.C.

R. Hornal - Director ✓
M. Morison - Assistant Director ✓
R. Hawkes - Chamber of Mines ✓

Sent 31/08/78 mp

35. (1) At every mine there shall be maintained a sufficient number of properly constructed stretchers and first aid equipment and supplies for the proper handling and transporting of persons who may be injured in the discharge of their duties about the mine.
- (2) Every mine shall have men trained in First Aid as follows:
- (a) all underground supervision
 - (b) all mine rescue men
 - (c) one half of surface supervision
 - (d) one tenth of the employees

101. (1) A protective hat and boots, manufactured for such service, shall be worn by every person employed:

- (a) underground in any mine
- (b) in any location designated by the Inspector

101. (2) The manager shall take all reasonable measures to ensure that no workmen will be exposed to noise in excess of the levels shown in the table below without suitable protective equipment.

Permissible Noise Exposure

<u>Time (Hours per Day)</u>	<u>Sound Level dBA</u>
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

Note: No exposure in excess of 115 dBA.

ORDINANCE RULES, METRIC CONVERSIONCHANGES

<u>RULE</u>	<u>FROM</u>	<u>TO</u>
14	height of eight feet	height of three metres
18 (5)	closer than fifty feet	closer than twenty metres
18 (6)	or one hundred pounds	or fifty kilograms
23 (2)	less than fifty feet	less than twenty metres
25 (1)	within fifty feet	within twenty metres
25 (2)	closer than thirty five feet	closer than ten metres
27 (a)	within seventy five feet	within twenty five metres
28	within fifty feet	within fifteen metres
	nor within one hundred feet	nor within thirty metres
30 (1)	within one hundred feet	nor within fifty metres
32 (1)	over one hundred tons	over one hundred tonnes
39 (3)	than eight hundred cubic feet	than twenty five cubic metres
45 (2)	than fifty feet	than twenty metres
51 (7)	less than fifty feet	less than twenty metres
51 (10)	least six feet above	least two metres above
	twenty five feet distant	ten metres distant
51 (1)	exceeding three hundred pounds	exceeding one hundred fifty kilograms
57	within two hundred feet	within one hundred metres
58 (3)	within fifty feet	within twenty metres
59 (1)	within fifty feet	within twenty metres
59 (2)	within fifty feet	within twenty metres
59 (3)	within fifty feet	within twenty metres
64 (1)	exceed two hundred pounds	exceed one hundred kilograms
66 (F)	more than one hundred fifty pounds	more than seventy five kilograms
66 (M)	in excess of fifty pounds	in excess of twenty five kilograms
	than six inches	than fifteen centimetres
70 (1)	four miles per hour	six kilometres per hour
77 (2)	within six inches	within fifteen centimetres
77 (3)	within five feet	within two metres
77 (4)	within twenty five feet	within eight metres
80	minimum of fifteen feet	minimum of five metres
81	than three feet shall	than one metre shall
	that three feet from	than one metre from

TO
A
M.L. Brown,
Regional Mining Engineer
& Mining Inspector

FROM
DE
E. Bengts,
District Mining Engineer
& Mining Inspector

SECURITY - CLASSIFICATION - DE SÉCURITÉ

OUR FILE - N/RÉFÉRENCE

YOUR FILE - V/RÉFÉRENCE

DATE

December 29, 1977

SUBJECT
OBJET
Re: Ordinance & Rules, Metric Conversion

Attached please find a list stating Rule numbers and the changes to metric measurements.

Whenever possible the metric equivalent has been rounded off. When the measurement is critical the changes approach an exact conversion.

Attached also find a copy of the rules where all changes are noted.

E. Bengts
E. Bengts

Enclosures

MS

W!

TITLE	FROM NWT Archives/NWT & Nunavut Chamber of Mines/N-1999-019	TO
2 (1)	equal to twice the number of feet	equal to six times the number of metres in
3 (1)	first ten feet	first three metres
3 (2)	after twenty five feet	after eight metres
50 (2)	within twenty feet	within ten metres
	within twenty feet	within ten metres
60 (3)	within fifteen feet	within five metres
104 (1)	exceed fifty feet	exceed twenty metres
107 (2)	plus six feet	plus two metres
107 (2)	least six feet	least two metres
112 (1)	than sixty feet	than twenty metres
112 (2)	exceed twenty five feet	exceed eight metres
123 (3)	over forty six feet	over fifteen metres
128 (2)	within fifteen feet	within five metres
128 (4)	twelve inches by twelve inches	thirty centimetres by thirty centimetres
	within four feet	within one metre
132 (1)	exceeding twenty one feet	exceeding seven metres
132 (2)	exceeding twenty one feet	exceeding seven metres
134 (2)	exceeding twenty one feet	exceeding seven metres
134 (3)	exceeding twenty one feet	exceeding seven metres
136	least three feet	least one metre
138 (2)	than twelve inches or less than ten inches	than thirty centimetres or less than twenty five centimetres
	than one half inch	than one centimetre
138 (3)	than four inches	than ten centimetres
141 (2)	exceeds 1000 feet per minute	exceeds five metres per second
142 (1)	than fifty feet	than fifteen metres
143	least fifteen feet	least five metres
146	exceeds three hundred feet	exceeds one hundred metres
170 (1)	least eighteen inches	least forty five centimetres
	of twenty four inches	of sixty centimetres
	every one hundred feet	every thirty five metres
170 (3)	five feet shall	one hundred fifty centimetres
170 (4)	than seven feet	two hundred ten centimetres
	not exceeding one hundred feet	not exceeding thirty five metres

<u>LE</u>	<u>FROM</u>	<u>TO</u>
76 (1)	five feet from	two metres from
81 (2)	than ten feet	than three metres
	exceeds ten feet	exceeds three metres
82 (1)	over sixty five feet in depth	over twenty metres in depth
	than sixty five feet in vertical	than twenty metres in vertical
82 (2)	five feet	two metres
83 (1)	within six feet	within two metres
84 (3)	ten feet in height	three metres in height
87 (2)	within fifteen feet	within five metres
88 (a) (1)	within one foot	within thirty centimetres
88 (a) (2)	within fifteen feet	within five metres
88 (b)	within fifteen feet	within five metres
89 (1v)	estimated yards broken	estimated cubic metres broken
93 (5)	exceeding twenty one feet	exceeding seven metres
95 (11)	within fifty feet	within twenty metres
14 (1)	least five feet six inches	least one hundred sixty five centimetres
14 (2)	over three feet	over one meter
17	at least six feet	at least two metres
19	less than three feet shall	less than one meter shall
20	two feet above or two feet below	sixty centimetres above or sixty centimetres below
22	least five feet above	least one hundred fifty centimetres above
27	than eighteen inches	than fifty centimetres
23	less than six feet between	less than two metres between
232 (1)	least three feet six inches	least one metre
235	than twenty five feet	than seven metres
241 (7)	than 300 c.f.m.	than eight cubic meters per minute
	than 300 c.f.m.	than eight cubic meters per minute
242 (1)	depth of three hundred feet	depth of one hundred metres
245 (1) (a)	three sixteenths of an inch	than five millimetres
245 (1) (b)	one eight of an inch	than three millimeters
	than five feet above	than one hundred fifty centimetres above
245 (1) (c)	five feet above	one hundred fifty centimetres above

<u>RULE</u>	<u>FROM</u>	<u>TO</u>
66 (1)(a)	over sixty inches in	over one hundred fifty centimetres in
66 (1)(c)	greater than one inch	greater than twenty five millimetres
66 (1)(c)	not greater than one inch	not greater than twenty five millimetres
66 (1)(c)	than one inch	than twenty five millimetres
66 (i)(a)	than one inch	than twenty five millimetres
66 (ii)		
67	greater than three hundred feet	greater than one hundred metres
	greater than two hundred and fifty feet per minute	greater than one hundred twenty five centimetres per second
78 (3)	diameter of rope in inches	diameter of rope in millimetres
78 (3)	weight per foot in pounds	weight per metre in kilograms
78 (3)	diameter of wires in decimal of an inch	diameter of wires in millimetres
78 (3)	in pounds per square inch	in kilograms per square centimetre
83 (4)	F of S = $8.0 - 0.0005D$ where "d" is the maximum length of rope suspended below the head sheave in feet	F of S = $8.0 - 0.0016d$ where "d" is the maximum length of rope suspended below the head sheave in metres
88 (1)	less than eight feet in	less than two hundred fifty centimetres
APPENDIX		
A" 2 (c)	than seventy five cubic feet per minute	than one hundred thirty cubic metres per hour
A" 6 (1)(a)	lower than 125 degrees Fahrenheit	lower than fifty degrees Celsius

* * *

AMENDMENT

AID TO INJURED

- Rule 35. (1) At every mine there shall be maintained a sufficient quantity of properly constructed stretchers and first aid equipment and supplies for the proper handling and transportation of persons who may be injured in the discharge of their duties about the mine.
- (2) At every mine
- (a) all persons engaged in underground supervision;
 - (b) all persons engaged in mine rescue;
 - (c) one-half of the number of persons who are involved in surface supervision; and
 - (d) one-tenth of the total number of employees thereat, shall be trained in first aid to a level at least equivalent to the St. John Ambulance standard first aid course.

- Rule 101. (1) A protective hat and boots, manufactured for such service, shall be worn by every person employed.
- (a) underground in any mine,
 - (b) in any location designated by the inspector.
- (2) The manager shall take all reasonable measures to ensure that no workman is exposed, without suitable protective equipment, for the periods in excess of those set out in the first column of the table to this subsection, to noise in excess of the levels shown in the second column of that table.

<u>Table of Permissible Noise Exposure</u>	
<u>Time (hours per day)</u>	<u>Sound level dBA</u>
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

- (3) No noise levels in excess of 115 dBA are permitted in a mine.

AMENDMENT

Section 10. (1) There shall be formed in any mine where more than twenty-five persons are employed, a committee which shall be known as the mine safety committee.

Section 11. No person under the age of sixteen years shall be employed in or about the mine and no person under the age of eighteen years shall be employed underground or at the working face of any open cut working, pit or quarry.