

THE CORPORATION OF THE DISTRICT OF BURNABY

BY-LAW NO. 6323

A BY-LAW to amend By-Law No. 5096, being the
"Burnaby Fire Prevention By-Law 1968"

The Council of the Corporation of the District of
Burnaby ENACTS as follows:

1. This By-Law may be cited as "BURNABY FIRE PREVENTION
BY-LAW 1968, AMENDMENT BY-LAW NO. 1, 1973".

2. Section 1.5 of the Fire Code as enacted by By-Law
No. 5096 is amended by adding the following:

"Refinery" means a plant in which flammable or com-
bustible liquids are produced on a commercial scale from
crude petroleum, natural gasoline, or other hydrocarbon
sources.

3. Section 2.3 of the Fire Code as enacted by By-Law
No. 5096 is amended by adding the following as Section 2.3.13.

"2.3.13 REFINERIES

2.3.13.1 A refinery capable of processing 20,000
barrels or more per day of crude petroleum or equivalent
shall provide on the refinery premises for fire protection
and fire fighting purposes the following:

- (a) Mobile fire apparatus with a pumping capacity of
500 Imperial Gallons Per Minute Class "A" and
equipped with a 150 Imperial Gallon Foam Concen-
trate Tank, 500 feet of 1½ inch hose, 1,000 feet
of 2½ inch hose, all with B.C. Standard thread,
foam producing equipment capable of producing 500
Imperial Gallons Per Minute of foam, and a monitor
either fixed or portable, capable of discharging
500 Imperial Gallons Per Minute of water.
- (b) Fixed water monitors complete with combination
straight stream fog nozzles located at tank car
racks, tank truck racks, loading platforms and
process units. The number, capacity and exact
location of the said monitors shall be approved
by the Fire Chief. A National Fire Protection
Association sprinkler system may be provided
instead of the said monitors.
- (c) Portable electrical generating units with a mini-
mum of 3,000 Watts, 115 Volts, alternating cur-
rent, and sufficient number, in the opinion of the
Fire Chief, of plug-in lighting units, and ex-
tension cables 150 feet in length, to effectively
illuminate the area.

- (d) A sufficient number, in the opinion of the Fire Chief, of telescoping hydraulic foam towers, or crane mounted foam monitors, with 2½ inch hose connections, built in foam maker, and capable of delivering air foam to the top of the highest storage tank on a refinery.
- (e) A sufficient number, in the opinion of the Fire Chief, of mechanical foam playpipes, either spray-straight stream or straight stream.
- (f) A sufficient number, in the opinion of the Fire Chief, of fixed pipe mechanical foam makers and foam chambers as set out in the National Fire Protection Association National Fire Codes affixed to all cone roofed bulk storage tanks having a diameter in excess of 30 feet.
- (g) A sufficient number, in the opinion of the Fire Chief, of Corporation type hydrants on a minimum 6 inch looped water main which shall be located not more than 300 feet apart in process areas and not more than 500 feet apart in tank field areas and having two discharge outlets of 2½ inch diameter and with B.C. Standard thread.
- (h) Well maintained access roads throughout the refinery premises.
- (i) Where hydrants are 300 feet apart a 1½ inch or 2½ inch hose with a minimum length of 100 feet, and where hydrants are 500 feet apart a 1½ inch or 2½ inch hose with a minimum length of 150 feet, complete with combination fog and straight stream nozzle, housed in hose station boxes in locations designated by the Fire Chief throughout the refinery premises.
- (j) A sufficient number, in the opinion of the Fire Chief, of First Aid Fire Extinguishers. The minimal size of Fire Extinguishers for the listed grades of hazard shall be as provided in Schedule "A". The said Fire Extinguishers shall be located so that the maximum travel distance shall not exceed those specified in Schedule "A".

2.3.13.2 The sufficiency, capacity and location of fire protection and fire fighting equipment, if not specifically provided for in the by-law shall be determined by the Fire Chief.

Read a first time this 29th day of October, , 1973

Read a second time this 29th day of October , 1973

Read a third time this 29th day of October , 1973

Reconsidered and adopted this 5th day of November, 1973.



MAYOR

DEPUTY CLERK

SCHEDULE "A"

Minimal sizes of fire extinguishers for the listed grades of hazard shall be as hereinafter provided. Extinguishers shall be located so that the maximum travel distances shall not exceed those hereinafter specified.

Type of Hazard	(For Extinguishers Labeled Prior to June 1, 1969) Basic Minimum Extinguisher Rating	Maximum Travel Distance to Extinguishers
Light	4B	50 ft.
Ordinary	8B	50 ft.
Extra	12B	50 ft.

	(For Extinguishers Labeled After June 1, 1969) Basic Minimum Extinguisher Rating	
Light	5B	30 ft.
	10B	50 ft.
Ordinary	10B	30 ft.
	20B	50 ft.
Extra	20B	30 ft.
	40B	50 ft.