

THE CORPORATION OF THE DISTRICT OF BURNABY

BYLAW NO. 8047

A BYLAW respecting the prevention and
suppression of fire and the
preservation of life and property

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

1. This Bylaw may be cited as BURNABY FIRE SERVICES BYLAW 1983.
2. In this Bylaw, unless the context otherwise requires,
 - (a) "Department" means the Burnaby Fire Department;
 - (b) "Director" means the Director-Fire Services;
 - (c) "member" means a person employed in the Department;
 - (d) "officer in charge" means the senior member present.

PART I DEPARTMENT

3.(1) The Burnaby Fire Department is hereby continued under the Director-Fire Services who shall be head of the Department and shall

- (a) take all proper measures for the prevention and suppression of fires and for the protection of life and property,
- (b) manage, control and supervise the Department,
- (c) have the care, custody and control of all buildings, apparatus and equipment of the Department.

(2) The Chief-Fire Operations shall report to the Director and, in the absence of the Director, has all the powers and shall perform the duties of the Director.

4.(1) An applicant is qualified to be appointed as a member of the Department for fire fighting duties who

- (a) has successfully completed grade 10,
- (b) is of good character,
- (c) passes such written, oral and practical examinations as may be required by the Director,
- (d) is medically fit to be a member as certified by a physician designated by the Director, and
- (e) has been recommended for appointment by the Director.

(2) The Director may require an applicant for promotion to take such examinations as he considers appropriate.

5.(1) The Director may make rules for the proper and efficient administration and operation of the Department and for the discipline of its members and may change, replace or withdraw the rules as he considers fit or necessary.

(2) The members shall comply with all rules in effect under section 5(1) and the Director shall deal with and dispose of any failure to comply or contravention by a member.

6. The Director shall report annually to the Council on the efficiency of the members and condition of the buildings, apparatus and equipment of the Department.

7.(1) No person shall refuse to permit a member to enter into or upon any premises from which an alarm of fire has been received or in or upon which the member has reasonable grounds to suspect that a fire exists.

(2) No unauthorized person shall ride on any fire apparatus enroute to or returning from a fire or an alarm of fire.

(3) No person shall drive a motor vehicle upon or over a line of hose in use at a fire, alarm or drill unless so directed by a member or a police officer.

(4) No person shall impede, hinder or obstruct the extinguishment of a fire.

(5) Every person at or near a fire shall comply with the order or direction of any member.

(6) No person other than a member or a police officer shall enter a building that is endangered by fire or enter within the lines designated by ropes or guards across any street, lane, or alley at or near such building. This subsection does not apply to the owner or occupier of a building endangered by fire or his employees if such persons have obtained the permission of the officer in charge at the fire to enter such building or enter within the line designated by ropes or guards.

8. The Director or officer in charge at any fire may cause the demolition of any building or structure that, in his judgment, should be demolished in order to prevent the spreading of fire.

PART II OPEN AIR BURNING

9.(1) Except as provided in section 10, no person shall light, ignite or start or allow or cause to be lighted, ignited or started a fire of any kind whatsoever in the open air without first obtaining a burning permit from the Director.

- (2) The Director may issue a permit for open air burning
- (a) for fire training exercises,
 - (b) of brush, stumps, slash and like materials resulting from the clearing of land, or
 - (c) for necessary burning by the municipality.

(3) No person to whom a permit has been issued under subsection (2) shall burn any rubber tires, oil, tar, asphalt shingles, battery boxes, plastic material or any similar materials that would produce heavy black smoke.

(4) Every person to whom a permit has been issued under this section shall place and keep a competent person at all times in charge of the fire while it is burning or smouldering and until it is completely extinguished and shall provide that person with efficient appliances and equipment in order to prevent the fire from getting beyond control or causing damage or becoming dangerous to life and property.

(5) The Director may refuse to issue a permit if, having regard to all the circumstances, burning would in his opinion likely be hazardous or create a nuisance.

10.(1) Without a permit being secured, small confined fire may be used for cooking food in grills and barbecues.

(2) Without a permit being secured, dry garden refuse only may be burned in the open air in small fires,

(a) on the last Saturday of April in each year, the following day, and the following Saturday and Sunday,

(b) on the last Saturday of October in each year, the following day, and the following Saturday and Sunday.

(3) Every person who starts a fire on the days mentioned in subsection (2) shall place and keep a competent person at all times in charge of the fire while it is burning or smouldering and until it is completely extinguished and shall provide that person with efficient appliances and equipment in order to prevent the fire from getting beyond control or causing damage or becoming dangerous to life or property.

PART III SMOKING

11. No person shall smoke or have in his possession a lighted pipe, cigarette, cigar or similar object

(a) in an elevator, or

(b) in retail store except in a part thereof used as a restaurant, lunch counter, hairdressing parlour, barber shop, restroom, staff offices or rest area.

12.(1) Every owner or occupier of a retail store shall display signs that prohibit smoking, satisfactory in number and location to the Director or his delegate.

(2) The owner or occupier of every building in which there is a passenger elevator shall cause a sign that prohibits smoking to be affixed therein in a position clearly visible to all persons entering the elevator.

(3) Signs that prohibit smoking shall have lettering at least 50 mm high with a 12 mm stroke or, in lieu of lettering, symbols at least 150 mm by 150 mm. The signs may carry a reference to this Bylaw in smaller letters.

(4) Every person who contravenes or fails to comply with any provision of this section is guilty of an offence punishable on conviction by a fine of not less than twenty-five dollars and not more than five hundred dollars.

PART IV REFINERIES

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 2200 L per minute Class "A" and equipped with a 675 L foam concentrate tank, 150 m of 38 mm hose, 300 m of 65 mm hose, all with B.C. standard fire-hose thread, foam producing equipment capable of producing 2200 L per minute of foam, and a monitor, either fixed or portable, capable of discharging 2200 L per minute of water;
- (b) fixed water-foam monitors complete with combination straight stream fog nozzles located at tank railcar racks, tank truck racks, loading platforms and process units;
- (c) an automatic fire detecting and extinguishing system complying to National Fire Protection Association Codes and Standards shall be installed where, in the opinion of the Director, it is required at rail tank car loading racks, tank truck loading racks and all flammable liquid dispensing areas;
- (d) portable electrical generating units with a minimum of 3,000 Watts, 115 Volts, alternating current, and sufficient number, in the opinion of the Director, of plug-in lighting units, and extension cables 45 m in length, to effectively illuminate the area;
- (e) a sufficient number, in the opinion of the Director, of telescoping hydraulic foam towers, foam cannons or crane mounted foam monitors, with 65 mm hose

connections, built in foam maker, and capable of delivering air foam to the top of the highest storage tank on a refinery;

- (f) a sufficient number, in the opinion of the Director, of mechanical foam playpipes, either spray-straight stream or straight stream;
- (g) a sufficient number, in the opinion of the Director, of fixed pipe mechanical foam makers and foam chambers as set out in the National Fire Protection Association Codes and Standards affixed to all cone roofed bulk storage tanks having a diameter in excess of 9 m;
- (h) fire hydrants, approved as to number and type by the Director, on a minimum 150 mm looped water main which shall be located not more than 90 m apart in process areas and not more than 150 m apart in tank field areas;
- (i) well-maintained access roads throughout the refinery premises;
- (j) where hydrants are 90 m apart a 38 mm or 65 mm hose with a minimum length of 30 m, and where hydrants are 150 m apart a 38 mm or 65 mm hose with a minimum length of 45 m, complete with combination fog and straight stream nozzle, housed in hose station boxes in locations designated by the Director throughout the refinery premises;
- (k) a sufficient number, in the opinion of the Director, of portable fire extinguishers.

(2) The sufficiency, capacity and location of fire protection and fire fighting equipment, if not specifically provided for in the bylaw shall be determined by the Director.

PART V FIREWORKS AND FIRECRACKERS

14.(1) In this section,

(a) "firecrackers" means small fireworks with entwined fuses used solely as noisemakers and not for pyrotechnic effect;

(b) "fireworks" means manufactured goods intended to be used for a pyrotechnic effect that are classified by the Canada Explosives Regulations as low hazard fireworks for recreation (Class 7.2.1) such as fire work showers, fountains, golden rain, lawn light, pin wheel, Roman candles, volcanoes and sparklers.

(2) No person shall

(a) offer for sale or sell fireworks, or

(b) use, set off or discharge fireworks.

(3) Subsection (2) does not apply during the period commencing the 25th day of October and ending the 31st day of October

(a) to an offer to sell or a sale of fireworks to a person who is at least 18 years of age, or

(b) to the using, setting off or discharging of fireworks on private property with the knowledge and consent of the owner.

(4) No person shall offer for sale, sell, use, detonate or explode firecrackers.

PART VI HYDRANTS

15.(1) In this section, "private hydrant" means a hydrant that does not belong to The Corporation of the District of Burnaby and is installed on private property as part of a system of fire protection for that property.

(2) The owner or occupier of property that has a private hydrant shall ensure that the hydrant is maintained in good working condition at all times and that inspection, servicing and testing of the hydrant is carried out by persons qualified to perform these services.

- (3) The owner of a private hydrant shall
- (a) not less than twice each year have the private hydrant flushed, drained and all threads of outlets and caps greased with waterproof grease;
 - (b) not less than once each year have all components of the private hydrant inspected, serviced and tested;
 - (c) on or before the 31st day of October each year provide the Director with a written report of the inspection, servicing and testing performed on the private hydrant during the previous twelve months;
 - (d) keep the ground surface around the private hydrant clear of shrubs, trees, structures and other obstructions of any kind, in order to facilitate use of the hydrant by the Department.

(4) All private hydrants and municipal hydrants must conform to Department standards set out in Schedule "A".

PART VII FEES

16. The fees hereinafter set forth shall be paid to the Corporation by applicants for the permits and inspections specified as follows:

- (a) installation of flammable liquid tanks and pumps
 - each flammable liquid tank \$ 20.00
 - each flammable liquid pump \$ 20.00

(If more than 2 site visits are required, an additional amount of \$20.00 will be charged for each visit)
- (b) for the requested inspection of a building
 - for each inspection \$ 30.00

17. Bylaw No. 5096, being Burnaby Fire Prevention Bylaw 1968, and all amendments thereto are repealed.

18. This Bylaw shall come into force on the 12th day of April 1983.

Read a first time this 5th day of April 1983
 Read a second time this 5th day of April 1983
 Read a third time this 5th day of April 1983
 Reconsidered and adopted this 11th day of April 1983

William A. Lewance
 M A Y O R

James Hudson
 C L E R K

SCHEDULE "A"

BURNABY FIRE DEPARTMENT

FIRE HYDRANT STANDARDS

1. Hydrants shall conform to American Water Works Association Standard for dry barrel fire hydrants (AWWA C502).
2. Hydrants shall be the slide gate or compression type.
3. Hydrants shall have two 65 mm hose outlets and one 100 mm pumper outlet.
4. The internal main valve opening must be a minimum of 115 mm or 10,000 mm².
5. The main operating stem, hose and pumper outlet threads must conform to the British Columbia Standard fire hose thread for 65 mm fire hose couplings and allied fittings.
The threads of the 100 mm pumper outlet shall have an outside diameter of 115.625 mm and six threads per 25 mm.
6. Hydrants shall be provided with an independent cut off valve on one of the 65 mm hose outlets.
7. The independent cut off valve shall be a gate type valve constructed internally within the hydrant.
8. The hydrant shall be automatic self draining.
9. The minimum clearance between the ground and the centre of the lowest outlet must be at least 300 mm.
10. Both the main operating stem and the independent cut off valve stem must open in a counter-clockwise direction.