

ITEM 5  
MANAGER'S REPORT NO. 15  
COUNCIL MEETING 88/02/29

RE: PROPOSED AMENDMENTS AND ADDITIONS TO BURNABY FIRE SERVICES BYLAW

MUNICIPAL MANAGER'S RECOMMENDATION:

1. THAT the recommendation of the Fire Chief be adopted.

\* \* \* \* \*

TO: DIRECTOR ADMINISTRATIVE & FIRE DEPARTMENT  
COMMUNITY SERVICES 1988 FEBRUARY 24

FROM: FIRE CHIEF

SUBJECT: PROPOSED AMENDMENTS AND ADDITIONS TO BURNABY FIRE SERVICES BYLAW

RECOMMENDATION:

1. THAT the Burnaby Fire Services Bylaw 1983 No.8047 be amended to accomplish the objectives set out in this Report.

R E P O R T

A Fire Department staff review of the Burnaby Fire Services Bylaw has revealed that the following amendments and additions are required:

1. "Director Fire Services" was adopted as the title for the head of the Department a number of years ago but has been replaced by the title "Fire Chief".  
It is proposed that the term Director be replaced by Fire Chief throughout the Bylaw.
2. Under section 4 of the Bylaw the academic qualification for members of the Fire Department is successful completion of Grade 10. The current practice of recruiters is to require completion of Grade 12.  
It is proposed that the Bylaw be amended to reflect the current practice of requiring that new recruits have completed high school or have equivalent academic qualifications.
3. Section 7.(2) prohibits unauthorized persons from riding on fire apparatus that is enroute to or returning from a fire.  
It is proposed that the section prohibiting unauthorized persons from riding on fire apparatus be broadened to prohibit persons, other than Fire Department members, from riding at any time unless authorized by the Officer In-charge.

4. In October of 1985 Council repealed the sections of the Bylaw that permitted and regulated the burning of garden refuse in March and October. Although the Bylaw authorizes the Fire Chief to issue permits for outdoor burning for fire training exercises, for necessary burning by the Municipality and for the burning of brush and slash resulting from the clearing of land, no permits have been given for land clearing since 1985.

It is proposed that the provision allowing a permit for the burning of brush during land clearing be repealed.

5. The cost of a permit to install tanks and pumps for combustible liquids is now set at \$20.00/underground tank, pump and piping system, and \$20.00/dispenser hose. This allocation of permit costs was made at a time when service stations provided one dispenser hose at each dispenser. It is more common today to have one central underground pump supplying a number of dispenser hoses at several pump islands.

Vancouver charges \$20.00/each tank and \$20.00/each pump and dispensing hose.

New Westminster's fees are \$5.00/one tank and two pumps and \$5.00/each additional pump. They are in the process of amending their bylaw which will make their fees comparable to ours.

In 1987 this Department collected the following fees:

30 tanks x \$20.00 =	\$600.00
58 dispensers x \$20.00 =	1,160.00
	<u>\$1,760.00</u>

It is proposed to alter the fee structure so that \$30.00 is charged for installation of an underground tank, pump and piping system and \$10.00 is charged for installation of each dispenser hose.

6. A fee of \$30.00 is currently charged for all requested inspections of buildings. This flat fee does not recognize the difference in time required to inspect a small residential building and a large residential or industrial building.

Vancouver does not do a requested on-sight building inspection; they only do a check of their record cards for which no fee is charged. They are however, contemplating amending their bylaw to reflect a fee structure similiar to ours.

New Westminster charges \$50.00 for a requested building inspection. This is done through their Engineering Department who receive input from the other departments.

It is proposed to amend the inspection fee, charging

(a) A flat fee of \$50.00 for buildings or structures of three storeys or less with an area not exceeding 600 m2 that fall within the scope of Part 9 of the B.C. Building Code.

(b) \$50.00 for the first hour and \$30.00/hour thereafter for all other building inspections.

7. The City of Vancouver passed a Bylaw amendment, Attachment "A", which went into effect 1988 January 01, to include safety devices and equipment, and attendants' procedures for service stations.

This Department conducted an extensive survey of service stations, Attachment "B", in order to determine if there were any B.C. Fire Code violations.

It is noted that the Vancouver City License Bylaw, Attachment "C", was amended to include the certification of service station attendants. This amendment states that no person shall carry on business at a service station unless the attendants have successfully completed a training program in fire safety and protection designed for service station employees, and approved by the Fire Chief.

This Department would approve the instructors, who in turn would certify the employees. Each employee would then be issued a card of certification. This card would be carried on their person at all times during working hours.

We have asked the Licence Department to investigate the feasibility of including the certification of service station attendants in their Licence Bylaw.

We would not want to institute the addition of the service station section within the new Bylaw until 1988 April 01. This would allow us time to monitor any flaws or omissions that may appear in Vancouver City's Bylaw.

It is proposed that the provision for service station safety devices and equipment, and procedures for service station attendants be included; that

- (a) The proper operation of gasoline delivery hose retractors or other devices which keep the hoses away from the traffic flow is ensured.
- (b) Emergency procedures for all service station and fuel dispensing attendants/operators must be posted.
- (c) All service station and all other fuel dispensing attendants/operators must complete an approved training program and be properly certified.
- (d) The installation of any equipment or circuitry that would enable pumps at self or split service stations to be pre-authorized for fuel flow, be prohibited.
- (e) Approved signs must be posted at all service stations to identify the locations of portable fire extinguishers.

For: H.E. Maginnis  
FIRE CHIEF



A.A. Nixon  
DEPUTY FIRE CHIEF (OPERATIONS)

AAN:mc  
Attachments (3)

cc: Chief Fire Prevention Officer

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ATTACHMENT "A"

BY-LAW NO. 6186

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A By-law to amend the  
Fire By-law,  
being By-law No. 2193

THE COUNCIL OF THE CITY OF VANCOUVER, in open meeting assembled, enacts as follows:

1. By-law No. 2193 is amended by inserting after section 93 the following:

"93A. No person shall install, maintain or keep installed in a gas station any equipment or circuitry which enables any pump designed for the dispensing of gasoline to be pre-authorized or activated prior to handling by the customer, except that this provision shall not apply to a pump handled exclusively by employees of the gas station."

2. Section 141 is amended by inserting the following new subsection:

✓ "(3) The occupant of every gas station shall post and keep continually posted in a conspicuous location signs which clearly identify the location of each fire extinguisher."

3. By-law No. 2193 is further amended by inserting after section 151 the following:

"151A. The occupant of every gas station shall:

✓ (a) ensure that all fuel pumps are equipped with retractors or other devices to keep all hoses, when not in use, free and clear of all lanes and areas intended for the parking or movement of vehicles; and

(b) post and keep continuously posted in the attendants booth of any self-service gas station or in the office of any other gas station, a sign providing instructions and information for dealing with any emergency respecting a fire or a potential fire, which sign shall include instructions to shut off all electrical power to the pumps, evacuate the area, and notify fire Department - (Dial 911)."

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4. This By-law, except for section 1, comes into force and takes effect on the date of its passing. Section 1 shall come into force and take effect on January 1, 1988.

DONE AND PASSED in open Council this 11th day of August, 1987.

(signed) Gordon Campbell  
Mayor

(signed) Maria Kinsella  
City Clerk

"I hereby certify that the foregoing is a correct copy of a By-law passed by the Council of the City of Vancouver on the 11th day of August 1987, and numbered 6186.

CITY CLERK"

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ATTACHMENT "B"

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As a result of a death sustained in a Vancouver City gasoline and oil-fed fire at a self-serve station, and the subsequent inquest and Coroner's report and recommended changes in the Vancouver Fire bylaw regarding service station safety measures and training standards for station attendants; the Vancouver Fire Department carried out an extensive survey with particular attention paid to those areas identified during the inquest.

On 1987 March 02 Council adopted a motion that the Burnaby Fire Department conduct a similar survey as done by the Vancouver Fire Department.

REPORT

The Burnaby Fire Department's Fire Prevention Inspectors conducted an extensive survey of all 75 service stations located in Burnaby.

Self Serve 33  
 Full Serve 25  
 Split (Self & Full) Serve 12  
 Private Key/Card Lock Serve 5

The results of the survey revealed the following number of service stations in violation of B.C. Fire Code Requirements and/or with inadequacies:

<u>VIOLATION / INADEQUACY</u>	<u>SELF SERVE</u>	<u>FULL SERVE</u>	<u>SPLIT SERVE (SELF &amp; FULL)</u>	<u>PRIVATE KEY/CARD LOCK</u>
B.C. FIRE CODE REQUIREMENTS:				
NO PORTABLE FIRE EXTINGUISHERS ON SITE	--	--	--	--
NO ABSORBENT MATERIALS FOR SPILLS **	8	12	2	2
HOSES IN POOR CONDITION **	1	1	-	-
PUMPS ARE ROUTINELY PRE-AUTHORIZED **	3	N/A	1	N/A
INADEQUATE LOT DRAINAGE	2	2***	-	-
NO "NO SMOKING" SIGNS **	2	6	-	-
NO INTERCOM ON ISLANDS **	4	N/A	2	N/A
INTERCOM NOT OPERABLE OR NOT IN USE **	2	N/A	1	N/A
POOR VISIBILITY OF PUMPS FROM CONSOLE **	7	N/A	-	N/A

NOTE RE ABOVE: \* = All stations are equipped with approved portable extinguishers.  
 \*\* = Orders issued to rectify violation.  
 \*\*\* = Trench drain in front of door.

NOT B.C. FIRE CODE REQUIREMENTS:

NO PORTABLE FIRE EXTINGUISHERS ON EACH ISLAND	7	22	1	2
HOSES LOOP INTO TRAFFIC FLOW	11	15	2	1
PUMPS CAN BE PRE-AUTHORIZED	27	N/A	11	N/A
NO EMERGENCY PROCEDURES POSTED	15	25	7	3
NO FIRE EXTINGUISHERS SIGNS	32	27	10	3
NO EMERGENCY LIGHTING	32	27	11	5
ATTENDANT/OPERATOR - INADEQUATE TRAINING	3	3	-	-

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ATTACHMENT "C"

BY-LAW NO. 6187

A By-law to amend the  
License By-law,  
being By-law No. 4450

THE COUNCIL OF THE CITY OF VANCOUVER, in open meeting assembled, enacts as follows:

1. By-law No. 4450 is amended in section 2 by inserting as the next entry after "Financial Agent" the following:

" Gasoline Service Station" includes a "Self-service Station"."

2. By-law No. 4450 is further amended by inserting after section 16B the following:

" GASOLINE SERVICE STATION

16C. No person carrying on the business of a gasoline service station shall employ any person as an attendant unless that person has successfully completed a training programme in fire safety and protection designed for service station employees and approved by the Fire Chief of the City of Vancouver."

3. This By-law shall come into force and take effect on March 1, 1988.

DONE AND PASSED in open Council this 11th day of August, 1987.

(signed) Gordon Campbell  
Mayor

(signed) Maria Kinsella  
City Clerk

"I hereby certify that the foregoing is a correct copy of a By-law passed by the Council of the City of Vancouver on the 11th day of August 1987, and numbered 6187.

CITY CLERK"

