

# BAND TECHNICAL PUBLICATIONS



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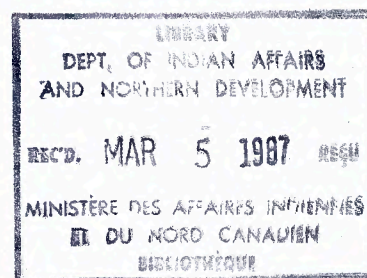


**Technical Services  
and Contracts**

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FIRE FIGHTER TRAINING SOURCES

June 1986.



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Hon. Bill McKnight, P.C., M.P.,  
Minister of Indian Affairs and  
Northern Development,  
Ottawa, 1987.

QS-3435-000-EE-A1

Cette publication est aussi disponible  
en français.

SOURCES OF FIREFIGHTER TRAINING

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## SOURCES OF FIREFIGHTER TRAINING

### 1.0 INTRODUCTION

There are a wide range of activities associated with fire prevention and protection. This publication provides information to Indian bands on the training that is available for the various activities.

Section 2 suggests content for training courses covering the seven main aspects of fire prevention and safety.

There are many sources of training material but only the five major sources are discussed in 3.0.

### 2.0 TRAINING PROGRAMS AND COURSES

#### 2.1 Fire Prevention

The following are suggested training topics:

- a. engineering - principles of fire prevention and protection;
- b. education - developing and conducting fire and safety programs for band members;
- c. evaluation - studying and implementing reports, recommendations and other useful data; and
- d. enforcement - correcting on-the-spot fire hazards or recommending their removal.

## 2.2 Fire Inspection

The following are suggested training topics:

- a. surveys of buildings and facilities to determine life safety needs;
- b. regulations to enforce removal of fire hazards; and
- c. inspection of fire extinguishing and alarm systems.

## 2.3 Fire Technology

The following are suggested training topics:

- a. the latest fire protection equipment;
- b. the use, operation, and maintenance of firefighting service equipment; and
- c. fire controls, fire protection systems, and service equipment.

## 2.4 Fire and Explosion Suppression Equipment

The following are suggested training topics:

- a. standpipe and hose equipment;
- b. sprinkler systems; and
- c. special extinguishing installations such as foam, carbon dioxide, water spray and halon systems.

## 2.5 Administration

The following are suggested training topics:

- a. setting up a fire department,
- b. keeping fire department records,
- c. reporting on fires and casualties, and
- d. reporting on firefighting activities.

## 2.6 Fire Safety

The following are suggested training topics:

- a. attending courses on fire safety, including industrial and construction safety;
- b. attending courses, seminars and lectures on occupational health and safety; and
- c. upgrading knowledge on control of hazardous materials and firefighting methods.

## 2.7 Emergency Planning

The following are suggested training topics:

- a. setting up fire emergency organizations;
- b. planning, organizing and instructing on fire safety in schools, day-care centres etc.; and
- c. arranging a mutual aid program between the fire department and other emergency agencies.

## 3.0 SOURCES OF TRAINING

### 3.1 Workshops and Conferences

Attending workshops and conferences such as the yearly conference of the Canadian Association of Fire Chiefs Inc. (CAFC), will help the band keep abreast of new developments. Fire equipment manufacturers often display new equipment at these functions.

### 3.2 Seminars and Symposiums

Certain agencies and manufacturers conduct seminars and symposiums to acquaint band members involved in fire protection with new methods. An example is the one-day seminar given by the Engineered Fire Safety Company on the latest technological developments in their "Special Halon Extinguishing System", a system capable of extinguishing a fire by displacing oxygen.

### 3.3 Courses and Lectures

Other agencies also give short courses and lectures on fire safety:

a. Government Departments:

- (1) Indian and Northern Affairs Canada. Regional fire safety offices provide adults and children with fire awareness courses directly related to on-reserve life. Technical firefighting courses are also available for volunteers. The training material used is produced by the International Fire Service Training Association (ifsta).
- (2) Public Works Canada. The Office of the Fire Commissioner of Canada instructs on fire emergency and communication organization in federal buildings, such as schools and teachers' residences.
- (3) Transport Canada. The Transportation of Dangerous Goods Directorate offers a "Transport of Dangerous Goods Awareness Seminar" which is sponsored by Emergency Planning Canada (EPC). The seminar lasts 4-1/2 days and is held at the Canadian Emergency Preparedness College, Arnprior, Ontario. Applications to attend can be obtained from the provincial emergency measures agency located in each provincial capital, or from Mrs. E. Patterson at (416) 965-6708.

b. Associations:

- (1) The American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) gives a two day seminar on life safety techniques for high rise buildings.
- (2) The Insurers' Advisory Organization (IAO) - gives a 4 day course on sprinkler and water supply systems.



### 3.4 Publications

Band members involved in fire prevention and protection should keep abreast of developments in fire technology by reading publications such as those available from organizations listed in Appendix 1.

Most fire and safety equipment manufacturers publish monthly and quarterly review bulletins, as well as yearly catalogues.  
See Appendix 2 for listing.

### 3.5 Organizations and Memberships

In order to better acquaint firefighters on developments in fire techniques and equipment, certain organizations regularly send out information which can save lives.

The band firefighters might benefit from belonging to one or more of the following organizations:

- a. Fire Prevention Canada (Fiprecan) Association,
- b. provincial fire chiefs' associations,
- c. fire officers' associations,
- d. municipal and provincial fire prevention associations, and
- e. provincial fire service instructors' associations.

The band might also join, or be placed on the mailing list of the following:

- a. National Research Council,
- b. Canadian Standards Association,
- c. Underwriters Laboratories of Canada,
- d. National Fire Protection Association,
- e. Industrial Safety Association, and
- f. other national and provincial agencies related to fire and safety.

All above mentioned organizations and groups regularly send out publications which include costs for participation and for obtaining printed material. See Appendix 3.

## Appendix 1

### MAJOR FIRE ASSOCIATIONS AND ORGANIZATIONS IN CANADA AND THE USA

1. Canadian Association of Fire Chiefs  
1590-7 Liverpool Court  
Ottawa, Ontario K1B 4L2  
Tel: (613) 749-3825
2. Fire Commissioner of Canada  
Public Works Canada  
Sir Charles Tupper Building  
Confederation Heights  
Ottawa, Ontario K1A 0M2  
Tel: (613) 998-4617  
Check telephone directory for provincial listing
3. National Fire Protection Association  
Battery March Park  
Quincy, MA. 02269, USA  
Tel: (617) 482-8755  
or 470 Atlantic Avenue - Publications Division  
Boston, MA. 02210, USA  
Tel: (617) 426-2525
4. Underwriters Laboratories of Canada  
7 Crouse Road  
Scarborough, Ontario M1R 3A9  
Tel: (416) 757-3611
5. Canadian Standards Association  
178 Rexdale Boulevard  
Rexdale, Ontario M9W 1R3  
Tel: (416) 744- 400  
Check for regional offices across Canada
6. National Research Council of Canada  
Montreal Road  
Ottawa, Ontario K1A 0R6  
Tel: (613) 993-9101

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7. International Fire Service Training Association  
Fire Protection Publications  
Oklahoma State University  
Stillwater, OK. 74074, USA
8. Insurance Bureau of Canada  
181 University Avenue  
Toronto, Ontario M5H 3M7  
Branches in Vancouver, Edmonton, Montreal and  
Halifax, N.S.
9. Insurers Advisory Organization  
180 Dundas Street West  
Toronto, Ontario M5G 1Z9  
Tel: (416) 597-1200

## Appendix 2

### MANUFACTURERS OF FIRE EQUIPMENT IN CANADA

This is a partial listing.

1. Safety Supply Company of Canada (fire equipment)  
214 King Street E.  
Toronto, Ontario M5A 1J8  
Tel: (416) 868-6411 (Fire Protection Group)  
Branches across Canada
2. Levitt - Safety Limited (fire and safety equipment)  
Head Office  
33 Laird Drive  
Toronto, Ontario M4G 3S9  
Tel: (416) 425-8700  
Branches throughout Canada
3. Pyrotronics Canada Ltd. (fire alarms and detectors)  
55 Idema Road  
Marilham, Ontario L3R 1A9  
Tel: (416) 495-6966  
Representatives across Canada
4. Engineered Fire Safety Ltd.  
(fire and explosion suppression systems)  
736 Halpern Ave.,  
Dorval, Quebec K9P 1G6  
Tel: (514) 631-4524  
Branches: Ottawa, Toronto and Calgary
5. Wajax Industries Ltd. (pumps)  
350 Sparks St. - Suite 1105  
Ottawa, Ontario K1R 7S8  
Tel: (613) 238-7291  
Branches across the country
6. National Fire Equipment Ltd.  
(total fire protection systems)  
491 Brimley Rd., Unit 2  
Scarborough, Ontario M1J 1A4  
Tel: (416) 264-4316  
Branches in Windsor, Ontario and Calgary Alberta



7. Du Pont Canada Inc.  
Industrial Fibre Division (fire suits)  
P.O. Box 26  
Toronto Dominion Centre - Head Office  
Toronto, Ontario M5K 1B6  
Tel: (416) 362-5621  
Branches throughout Canada
8. Angus Fire Armour Ltd. (fire hoses)  
11 Curity Avenue  
Toronto, Ontario M4B 1X5  
Tel: (416) 755-7785
9. Safety First - Automatic Systems Specialists  
3625 Weston Rd.  
Weston, Ontario M9L 1V9  
Tel: 749-5121  
Branches throughout Canada
10. Howard Distributors (rescue equipment)  
4511 Dawson Street,  
Burnaby, B.C. V5C 5T8  
Tel: (604) 291-6474
11. C.E. Hickey & Sons Co. Ltd. (fire equipment)  
589 Cannon Street East,  
Hamilton, Ontario L8L 2G6
12. Micmac Agencies Ltd. (fire systems)  
861 McLean St., P.O. Box 250  
Halifax, N. S. B3J 2P2  
Tel: (902) 429-7060
13. Wilson & Cousins (fire equipment)  
145 Orenda Rd.  
Brampton, Ontario L6W 1W4  
Tel: (416) 459-7300  
Branches in Vancouver, B.C., Calgary,  
Alberta, Edmonton, Alberta, Montreal,  
Quebec and Moncton, N.B.

14. RAB Engineering (respiratory air systems)  
4626 Burgoyne St.  
Mississauga, Ontario L4W 1G2  
Tel: (416) 625-7811
15. Akron Brass Co., (hose accessories)  
P.O. Box 280  
Aylmer, Ontario N5H 2R9
16. Simplex I.T.E. Co. Ltd. (fire alarm systems)  
12-1665 Russel Rd. - Building 2, Unit 12  
Ottawa, Ontario  
Tel: (613) 521-2851  
Agents across Canada
17. Dicon Systems Ltd. (smoke detectors)  
709 Clayson Rd.  
Weston, Ontario M9M 2H4  
Distributors across Canada
18. Chubb Fire Security Ltd.  
777 Dundas St. East,  
Toronto, Ontario M4M 1P9  
Tel: (416) 461-0411  
Branches across Canada
19. Fort Garry Industries Ltd. (fire or tanker trucks)  
460 McPhillips St.  
Winnipeg, Manitoba R2X 2G8  
Tel: (204) 586-8261  
  
Branches in Calgary, Edmonton and Lloydminster  
Alberta; Regina and Saskatoon, Saskatchewan; and  
Thunder Bay, Ontario.

Other companies are listed in telephone directories.  
Also check with DIAND's regional fire and safety  
officer.

Most of the above mentioned companies give occasional  
seminars, symposiums and short courses on the latest  
developments in their equipment.

### Appendix 3

#### PUBLICATIONS BY MAJOR FIRE AGENCIES AND FIRE EQUIPMENT MANUFACTURERS

1. Fire Prevention Canada (Fiprecan) Association:
  - a. Fire Technology - bulletin - monthly,
  - b. Fire News - bulletin - monthly,
  - c. On-the-Line - bulletin - monthly,
  - d. Dialogue - bulletin - monthly,and a yearly catalogue.
2. National Fire Protection Association:
  - a. Fire Command - magazine - monthly,
  - b. Fire Journal - magazine - bi-monthly,
  - c. Spot Light - Fire Prevention News - monthly,
  - d. Fire News - newsletter - monthly,
  - e. Industrial Fire News - newsletter - quarterly,and several catalogues of fire service materials published yearly. National Fire Codes is issued yearly. The 1985 edition consists of 8 volumes. A Life Safety and a Fire Protection Handbook is published every 2 to 5 years depending on how quickly technology is changing.
3. National Research Council:
  - a. Canadian Building Digests,
  - b. National Building Code of Canada,
  - c. National Fire Code of Canada,and other manuals on building and fire safety on a yearly basis.

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4. Canada Mortgage and Housing Corporation:  
  
publish fire and safety materials, in conjunction with manuals on home construction.  
  
Address: Canada Mortgage and Housing Corporation  
National Office,  
Ottawa, Ontario K1A 0P7  
Tel: (613) 748-2000
5. Fire Commissioner of Canada:
  - a. Fire Protection Standards - for all government buildings and facilities except Department of National Defence - issued as required.
  - b. technical information bulletins - also issued for federal buildings, crown corporations and other agencies - published as required.
  - c. yearly list of fire losses in Canada.
6. Underwriters Laboratories of Canada:
  - a. publish all standards on firefighting equipment;
  - b. list general equipment and materials, and building construction equipment and materials; and
  - c. publish a yearly catalogue.
7. Canadian Standards Association:
  - a. various publications on standards and certification activities, as well as testing in health, safety and the environment.
  - b. A yearly catalogue issued to members, and on demand.



## 8. International Fire Service Training Association:

All materials published for fire prevention and fire protection, issued as required.

## 9. Canadian Wood Council:

- a. Fire Protective Design - data files issued as required.
- b. Wood Construction - data files as required.

Address: Canadian Wood Council  
85 Albert St.  
Ottawa, Ontario K1P 6A4

## 10. Environment Canada:

publishes the Manual for Spills of Hazardous Materials, ISBN0-662-13186X. This lists commonly used hazardous materials, how to identify them, and the precautions and protective measures that should be taken.

## 11. Magazines:

- a. Fire Fighting in Canada  
222 Argyle Avenue  
Delhi, Ontario N4B 2Y2  
Published Bi-monthly
- b. Canadian Occupational Safety  
(same address as above)
- c. Insurance Report -  
Insurance Bureau of Canada  
181 University Avenue  
Toronto, Ontario M5H 3M7
- d. Safe-T-News -  
issued - bi-monthly by Safety Supply Co.  
Ltd., (see Appendix 2 for address)

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- e. Safety Canada - monthly -  
Canada Safety Council  
1765 St. Laurent Blvd.  
Ottawa, Ontario K1G 3V4  
Tel: (613) 521-6881  
also: Information Source book - Occupational  
Safety and Health and a yearly catalogue.

Addresses not listed of agencies mentioned above,  
can be found in Appendix 1.