

**LEGISLATIVE ASSEMBLY OF THE  
NORTHWEST TERRITORIES  
9<sup>TH</sup> ASSEMBLY, 4<sup>TH</sup> SESSION**

**TABLED DOCUMENT NO. 23-81 (1)**

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1980

FIRE LOSS RECORD FOR N.W.T.

Prepared by: SAFETY DIVISION,  
DEPARTMENT OF JUSTICE  
AND PUBLIC SERVICES,  
GOVERNMENT OF THE N.W.T.

## N.W.T. FIRE LOSSES - A SPECIAL REPORT 1980.

### SUMMARY

1980 was a disastrous year insofar as fire loss was concerned. Total dollar loss was \$6,754,292.47.

16 northern residents (12 adults and 4 children) perished as a direct result of fire and property losses totalled over \$6 Million Dollars. One particularly disturbing aspect is the number of fires attributed to arson, (7), which in 1980 caused property losses of \$3,741,500, approximately half the total dollar losses for the year. Fortunately, there were no deaths involved in the arson cases. One person was convicted of arson. This report lists the fire losses by occupancy and by cause, with appropriate comments. There are also tables showing fire deaths and injuries by cause, age and sex.

We feel that the 1980 statistics point very clearly to certain problems and suggest to us areas on which great emphasis must be placed if the situation is to improve. We became aware of some of these problems as 1980 progressed and planning to correct them is, in some cases, well advanced. The prime program thrusts for Safety Division have been delineated and are as follows:

#### 1) Public Education re Fire Safety

Many of the fires were caused by improper use of matches, flammable liquids, electrical appliances etc., in and around the home. Also, poor oil furnace maintenance has been a factor.

We intend to intensify and expand our public education program via the media, ANIKINFO, and, most importantly, through the schools. It is only through persistent efforts in this manner that people will become aware of the many fire hazards that exist and thus become fire safety conscious.

### 1) Fire Fighter Training

The vast majority of fire fighters in the N.W.T. are volunteer. Nevertheless, we have to ensure that they are properly trained and equipped to deal not only with fires that occur, but also to play an active role in the public education program and in the fire safety inspection program as part of a fire prevention campaign.

This coming year we plan regional training seminars for fire fighters as well as training in each community when Safety Division (Fire Safety Section) staff visit. It must be borne in mind that fire fighting carries a higher risk than any other occupation in the N.W.T., and the more fires there are, the greater the chance of injury to the fire fighter. This is a factor we bear very much in mind when ruling on the fire safety status of buildings. The training we plan includes fire safety inspection and fire investigation technique as well as use of fire fighting equipment.

### 3) Building Maintenance

The 1980 statistics clearly indicate the cost of improper installation and poor maintenance. Our recommendations regarding maintenance, education and inspection programs for government sponsored housing should have a marked effect if implemented. In some homes, for example, we have found smoke detectors sealed off, unserviceable fire extinguishers, furnaces badly in need of proper maintenance and furnace rooms used to store flammable material. We feel that home safety is one area where there is the greatest potential for improvement, but it will require cooperation between Territorial and Municipal Governments and local Housing Associations, for not only Government sponsored housing is involved.

#### 4) Fire Alarm Systems

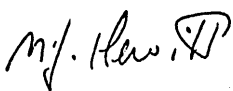
An essential feature of any community's fire protection service is the fire alarm system. Over the years, great difficulty has been encountered in installing and maintaining such systems. In May, 1980, Safety Division, in cooperation with the Department of Local Government, commenced a survey of all fire alarm systems in the N.W.T. The survey is now complete and plans for upgrading (where required) finalized.

In the majority of communities we propose to install a telephone fire alarm system linked to a fire siren(s). Our reason for so doing relate to the chronic and costly problems experienced with sophisticated equipment which appears unable to cope with the northern climate, and constantly malfunctions. The telephone alarm system, on the contrary, has a number of advantages.

- Is relatively simple to design; less prone to failure.
- Maintenance is provided by the telephone company with minimal delay.
- Is less expensive than more sophisticated systems - with which we have had so many problems.

By the end of the 1981-82 fiscal year, all N.W.T. fire alarm systems should be relatively trouble-free with most communities on the telephone fire alarm system. Maintenance of extant non-telephone fire alarm systems is largely the responsibility of Territorial D.P.W. with whom we intend to maintain a close liason.

It is hoped that 1981 will see far lower fire losses than 1980. Were it not for hard work on the part of Safety Division Staff - and in particular the Fire Marshal and his staff, 1980 could have been worse. Given the continued support of Local Government, D.P.W. and in particular, the fire fighters of the N.W.T., we hope for better days.

  
M.J. Hewitt,  
Chief Safety Division.

OCCUPANCY  
RESIDENTIAL

Lives Lost - 14  
Total \$ Loss - \$1,754,749.00  
N.W.T.H.C. Loss - \$931,499.00  
Other Loss - \$823,250.00

2/3 rds of the fire losses were in N.W.T.H.C. property. We feel that it points to the need for the N.W.T.H.C. to ensure that its maintenance and inspection programs are actively reviewed and enforced both at headquarters and community levels. This should include a periodic review with occupants of the vital necessity for fire safety awareness as follows:

- Proper furnace maintenance
- The necessity of keepint smoke detectors in working order
- The necessity of keepint fire extinguishers in working order and knowing how to use them
- The danger of keepint and using flammable liquids in the home eg. gasoline, varsol used for cleaning snowmobile parts, etc.
- The dangers posed by matches and cigarette smoking, especially where there are children in the home.

RESIDENTIAL OCCUPANCY

<u>OWNER</u>	<u>INS. LOSS</u>	<u>UNINS. LOSS</u>	<u>CAUSE</u>	<u>LOCATION</u>
Education		50.00	Child - Matches	Arctic Bay
N.W.T.H.C.		9,000.00	Electrical	Arctic Bay
Aklavik Housing		9,000.00	Unknown	Aklavik
Aklavik Housing		200.00	Electrical	Aklavik
N.W.T.H.C.		550.00	Child - Matches	Cambridge Bay
Private		400.00	Child - Matches	Cambridge Bay
N.W.T.H.C.		38,000.00	Unknown	Cambridge Bay
Co-Op		150.00	Improper Instal. Oven	Cambridge Bay
N.W.T.H.C.		3,000.00	Matches-Mischief	Frobisher Bay
Private		200.00	Smoking in Bed	Frobisher Bay
N.W.T.H.C.		13,000.00	Matches	Frobisher Bay
N.W.T.H.C.		100.00	Matches	Frobisher Bay
N.W.T.H.C.		5,000.00	Arson	Frobisher Bay
N.W.T.H.C.		300.00	Smoking	Frobisher Bay
N.W.T.H.C.		16,000.00	Unknown	Frobisher Bay
N.W.T.H.C.		200.00	Smoking	Frobisher Bay
N.W.T.H.C.		4,000.00	Arson	Frobisher Bay
N.W.T.H.C.		75,000.00	Unknown	Frobisher Bay
N.W.T.H.C.		1,500.00	Unknown	Frobisher Bay
N.W.T.H.C.		70,000.00	Child - Matches	Gjoa Haven
N.W.T.H.C.		40,000.00	Flammable Liquid	Grise Fiord
Private		5,000.00	Matches	Hay River
Private		7,500.00	Cigarette	Hay River
Private		25,000.00	Burning Grass	Hay River
Private	20,000.00		Burning Grass	Hay River
Private		200.00	Chimney	Hay River
Indian Band		1,000.00	Child - Matches	Hay River
Private		11,000.00	Unknown	Hay River
Private		200.00	Furnace	Hay River
Private		18,000.00	Child - Matches	Hay River
Private		30,000.00	Cigarette	Hay River
Private	20,000.00		Electrical	Hay River
N.W.T.H.C.		50.00	Smoking in Bed	Hay River
Private		13,000.00	Unknown	Hay River
Private		5,000.00	Woodstove	Hay River
N.W.T.H.C.		200.00	Cigarette	Inuvik
N.W.T.H.C.		60,000.00	Arson Suspected	Inuvik

OWNER	INS. LOSS	UNINS. LOSS	CAUSE	LOCATION
N.W.T.H.C.		50.00	Food on stove	Inuvik
Private		500.00	Unknown	Inuvik
N.W.T.H.C.		100.00	Smoking in Bed	Inuvik
N.W.T.H.C.		50.00	Food on stove	Inuvik
N.W.T.H.C.		200.00	Smoking in Bed	Inuvik
Private		50.00	Food on Stove	Inuvik
N.W.T.H.C.		50.00	Propane Torch	Inuvik
N.W.T.H.C.		50.00	Electrical	Inuvik
Private		1,200.00	Child - Matches	Fort Liard
Private		50.00	Propane Torch	Norman Wells
N.W.T.H.C.		100.00	Cigarette	Norman Wells
Private		12,000.00	Furnace	Norman Wells
Private	6,500.00		Unknown	Norman Wells
N.W.T.H.C.		349,999.00	Unknown	Pangnirtung
Private		200.00	Cigarette	Pine Point
Private		3,000.00	Furnace	Pine Point
Private	10,000.00		Electric Heater	Pine Point
Private	7,000.00		Grease on Stove	Fort Providence
N.W.T.H.C.		500.00	Furnace	Fort Providence
Rae Housing Assoc.		13,000.00	Child - Matches	Rae
Private		10,000.00	Oil Heater	Rae
N.W.T.H.C.	3,000.00	2,000.00	Unknown	Rankin Inlet
N.W.T.H.C.		5,000.00	Electrical	Rankin Inlet
N.W.T.H.C.		55,000.00	Electrical	Rankin Inlet
Private		500.00	Lighting Fixture	Rankin Inlet
Co-Op(Res./Office)		100,000.00	Arson	Rankin Inlet
N.W.T.H.C.		25,000.00	Furnace	Resolute Bay
N.W.T.H.C.		70,000.00	Furnace	Sanililuaq
N.W.T.H.C.		40,000.00	Unknown	Spence Bay
Private		5,000.00	Cigarette	Fort Smith
Private		200.00	Unknown	Fort Smith
D.P.W.		40,000.00	Cigarette	Fort Smith
Private		1,200.00	Woodstove	Fort Smith
N.W.T.H.C.		200.00	Gas Heater	Tuktoyaktuk
N.W.T.H.C.		6,000.00	Light - Wiring	Tuktoyaktuk
N.W.T.D.P.W.		7,500.00	Arson	Tuktoyaktuk
N.W.T.H.C.		200.00	Furnace	Tuktoyaktuk
N.W.T.H.C.		150.00	Cigarette	Tuktoyaktuk
N.W.T.H.C.		38,000.00	Furnace	Tuktoyaktuk



OWNER	INS. LOSS	UNINS. LOSS	CAUSE	LOCATION
Private	500.00		Furnace-oil Leak	Tungsten
Private		500.00	Unknown	Unsettled
Private		30,000.00	Unknown	Unsettled
Private		120,000.00	Unknown	Snare Lake-Unset.
Private	16,800.00		Furnace	Yellowknife
Private	7,900.00		Food on Stove	Yellowknife
Private	24,500.00		Food on Stove	Yellowknife
Private	35,000.00		Furnace	Yellowknife
Private		4,000.00	Grease on Stove	Yellowknife
Private		4,000.00	Food on Stove	Yellowknife
Private		22,500.00	Lighter	Yellowknife
Private	70,000.00		Unknown	Yellowknife
Private		500.00	Glue vapours & water tank	Yellowknife
Private		200.00	Unknown	Yellowknife
Private		1,500.00	Cigarette	Yellowknife
N.W.T.T.A.	50,000.00		Unknown	Yellowknife
Private		500.00	Child - Matches	Yellowknife
Private	8,000.00		Lamp	Yellowknife
Private		20,000.00	Fuel Oil & Water Tank	Yellowknife
Private	20,000.00		Chimney	Yellowknife
Private		700.00	Combustible too close to stove	Yellowknife
Private	2,100.00		Unknown	Yellowknife
Private		200.00	Child - Matches	Yellowknife

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TOTAL	\$301,300.00	\$1,453,449.00
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GRAND TOTAL \$1,754,749.00

RESIDENTIAL OCCUPANCY

FORT SMITH REGION

OWNER	INS. LOSS	UNINS. LOSS	CAUSE	LOCATION
Private		400.00	Child - Matches	Cambridge Bay
N.W.T.H.C.		550.00	Child - Matches	Cambridge Bay
Private		150.00	Improper instal. Oven	Cambridge Bay
N.W.T.H.C.		38,000.00	Unknown	Cambridge Bay
N.W.T.H.C.		70,000.00	Child - Matches	Gjoa Haven
Private		20,000.00	Electrical	Hay River
Private		5,000.00	Child - Matches	Hay River
Private		7,500.00	Cigarette	Hay River
Private		25,000.00	Burning Grass	Hay River
Private	20,000.00		Burning Grass	Hay River
Private		5,000.00	Woodstove	Hay River
Private		50.00	Cigarette	Hay River
Private		30,000.00	Cigarette	Hay River
Private		200.00	Chimney	Hay River
Band Council		1,000.00	Child - Matches	Hay River
Town		11,000.00	Unknown	Hay River
Arctic Missions		200.00	Furnace	Hay River
Private		18,000.00	Child - Matches	Hay River
Private		13,000.00	Unknown	Hay River
Private		1,200.00	Child - Matches	Fort Liard
Cominco		200.00	Cigarette	Pine Point
Private		3,000.00	Furnace	Pine Point
Private	10,000.00		Electric Heater	Pine Point
Private	7,000.00		Food on Stove	Fort Providence
N.W.T.H.C.		500.00	Furnace	Fort Providence
Rae Housing		13,000.00	Child - Matches	Rae
N.W.T.H.C.		10,000.00	Oil Heater	Rae
N.W.T.H.C.		40,000.00	Unknown	Spence Bay

OWNER	INS. LOSS	UNINS. LOSS	CAUSE	LOCATION
Private		30,000.00	Unknown	Unsettled
Private		500.00	Unknown	Unsettled
Private		5,000.00	Cigarette	Fort Smith
Soc. Develop.		200.00	Unknown	Fort Smith
D.P.W.		40,000.00	Cigarette	Fort Smith
Private		1,200.00	Woodstove	Fort Smith
Company House	500.00		Fuel Oil Leak	Tungsten
Echo Bay Mines		120,000.00	Unknown	Snare Lake
Private	16,800.00		Woodstove	Yellowknife
Private	7,900.00		Pot on Stove	Yellowknife
Private	24,500.00		Grease on Stove	Yellowknife
Private	35,000.00		Furnace	Yellowknife
Private		4,000.00	Food on Stove	Yellowknife
Private		4,000.00	Grease on Stove	Yellowknife
Private		22,500.00	Cigarette Lighter	Yellowknife
Private	70,000.00		Unknown	Yellowknife
Private		500.00	Flammable Vapours	Yellowknife
Private		200.00	Unknown	Yellowknife
Private		1,500.00	Cigarette	Yellowknife
N.W.T.T.A.	50,000.00		Unknown	Yellowknife
Private		500.00	Child - Matches	Yellowknife
Private	8,000.00		Electric Lamp	Yellowknife
Private		20,000.00	Fuel Oil Leak	Yellowknife
Private	20,000.00		Chimney	Yellowknife
Private		700.00	Combustable too close to stove	Yellowknife
Private	2,100.00		Unknown	Yellowknife
Private		200.00	Child - Matches	Yellowknife
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TOTAL	\$271,800.00	\$563,950.00		
GRAND TOTAL \$835,750.00				

RESIDENTIAL OCCUPANCY  
INUVIK REGION

OWNER	INS. LOSS	UNINS. LOSS	CAUSE	LOCATION
Aklavik Housing		200.00	Electrical	Aklavik
Aklavik Housing		9,000.00	Unknown	Aklavik
N.W.T.H.C.		50.00	Electrical	Inuvik
N.W.T.H.C.		50.00	Food on Stove	Inuvik
N.W.T.H.C.		200.00	Cigarette	Inuvik
N.W.T.H.C.		60,000.00	Suspect Arson	Inuvik
N.W.T.H.C.		100.00	Smoking	Inuvik
N.W.T.H.C.		50.00	Food on Stove	Inuvik
N.W.T.H.C.		200.00	Cigarette	Inuvik
Private		50.00	Food on Stove	Inuvik
Private		50.00	Propane Torch	Inuvik
Private		500.00	Unknown	Inuvik
Private		50.00	Propane Torch	Norman Wells
N.W.T.H.C.		100.00	Cigarette	Norman Wells
Private		12,000.00	Furnace	Norman Wells
Private	6,500.00		Unknown	Norman Wells
N.W.T.H.C.		200.00	Gas Heater	Tuktoyaktuk
N.W.T.H.C.		38,000.00	Furnace	Tuktoyaktuk
N.W.T. D.P.W.		7,500.00	Arson	Tuktoyaktuk
N.W.T.H.C.		6,000.00	Light Fixture	Tuktoyaktuk
N.W.T.H.C.		150.00	Cigarette	Tuktoyaktuk
N.W.T.H.C.		200.00	Furnace	Tuktoyaktuk

TOTAL            \$6,500.00    \$134,650.00

GRAND TOTAL    \$141,150.00

## RESIDENTIAL OCCUPANCY

## BAFFIN REGION

OWNER	INS. LOSS	UNINS. LOSS	CAUSE	LOCATION
Education		50.00	Child - Matches	Arctic Bay
N.W.T.H.C.		9,000.00	Electrical	Arctic Bay
N.W.T.H.C.		3,000.00	Matches	Frobisher Bay
Private		200.00	Smoking	Frobisher Bay
N.W.T.H.C.		13,000.00	Matches	Frobisher Bay
N.W.T.H.C.		100.00	Child - Matches	Frobisher Bay
N.W.T.H.C.		5,000.00	Arson	Frobisher Bay
N.W.T.H.C.		300.00	Smoking	Frobisher Bay
N.W.T.H.C.		16,000.00	Unknown	Frobisher Bay
N.W.T.H.C.		200.00	Smoking	Frobisher Bay
N.W.T.H.C.		4,000.00	Arson	Frobisher Bay
N.W.T.H.C.		75,000.00	Unknown	Frobisher Bay
N.W.T.H.C.		1,500.00	Unknown	Frobisher Bay
N.W.T.H.C.		40,000.00	Flammable Liquid	Grise Fiord
N.W.T.H.C.		349,999.00	Unknown	Pangnirtung
N.W.T.H.C.		25,000.00	Furnace	Resolute Bay
N.W.T.H.C.		70,000.00	Furnace	Sanililuaq
TOTAL		\$612,349.00		

RESIDENTIAL OCCUPANCY

KELWATER REGION

	<u>NET LOSS</u>	<u>UNEMP. LOSS</u>	<u>CARE</u>	<u>LOCATION</u>
	3,000.00	2,000.00	Unk.	Rankin Inlet
		5,000.00	Electrical Wiring	Rankin Inlet
		55,000.00	Electrical Wiring	Rankin Inlet
		500.00	Light Fixture	Rankin Inlet
		100,000.00	Arson	Rankin Inlet
	<u>3,000.00</u>	<u>\$162,500.00</u>		
	GRAND TOTAL	\$165,500.00		

OCCUPANCY - INSTITUTIONAL

Lives Lost: Nil  
Total \$ Loss: \$3,873,500.00

The greatest loss was the fire at the Pine Point School. This was caused by arson (persons unknown). We are aware of arson attempts in at least one other N.W.T. school in 1980.

Pine Point is the second arson caused school fire in the N.W.T. in a period of two years, the first being Rankin Inlet. In view of this we have recommended that all new schools or major renovations to existing school include a complete sprinkler system. Further, we again suggest that consideration be given to providing a watchman service at schools in major centres that are not sprinklered. This service should cover the period 23:00 to 07:00 hours, seven days per week.

	\$ LOSS	CAUSE	LOCATION
Hospital	1,500.00	Electrical	Frobisher Bay
School	70,000.00	Hot water heater	Fort Good Hope
School	3,500,000.00	Arson	Pine Point
School	300,000.00	T.V. Set	Fort Smith
School	2,000.00	Arson	Fort Smith
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Total	\$3,873,500.00		

OCCUPANCY - MERCANTILE

Total Loss: \$958,350.00

The causes are varied but again we feel that in some cases a greater level of fire safety consciousness would have prevented some of these fires.

MERCANTILE	INS. LOSS	UNINS. LOSS	CAUSE	LOCATION
Hotel	660,000.00		Furnace - Gas	Norman Wells
Warehouse		8,000.00	Cigarette	Pond Inlet
Store	5,000.00		Child - Matches	Pond Inlet
Hotel		2,000.00	Grease - Chimney	Rankin Inlet
Warehouse		1,000.00	Electrical	Rankin Inlet
Hotel	50,000.00		Arson	Fort Smith
Hotel	8,000.00		Cigarette	Yellowknife
Bakery		150.00	Improper Instal. of Oven	Cambridge Bay
Store	11,500.00		Electrical	Hay River
Warehouse		2,000.00	Child - Matches	Hay River
Laundry		1,000.00	Matches - Mischief	Inuvik
Bakery	175,000.00		Barbeque	Inuvik
Hotel		200.00	Electrical	Inuvik
Office	20,000.00		Leaking Propane	Pine Point
Service Station	14,000.00		Vehicle Hit Pumps	Yellowknife
Steam Plant		500.00	Electrical	Pine Point
<b>TOTAL</b>	<b>\$943,500.00</b>	<b>\$14,850.00</b>		
<b>GRAND TOTAL</b>		<b>\$958,350.00</b>		

Federal Warehouse; suspected electrical fire not calculated in total fires, \$125,000.00 (in Norman Wells).



OCCUPANCY - MISCELLANEOUS PROPERTIES

In most cases poor maintenance and carelessness were the cause of the fire.

Lives Lost - NIL

Total \$ Loss - \$31,650.00

	<u>INS. LOSS</u>	<u>UNINS. LOSS</u>	<u>CAUSE</u>	<u>LOCATION</u>
Training shack		5,000.00	Child - Matches	Hay River
Power Plant		2,500.00	Electrical	Inuvik
Storage Area		12,000.00	Child - Matches	Inuvik
Power Plant		200.00	Heat Tape	Inuvik
Shed		250.00	Child - Matches	Inuvik
Power Plant		200.00	Hot Slag-welder	Inuvik
Steam Plant	500.00		Electrical	Pine Point
Pit Head		1,000.00	Unknown	Rankin Inlet
Compressor House	10,000.00		Electrical	Tungsten
	<u>          </u>	<u>          </u>		
TOTAL	\$10,500.00	\$21,150.00		
	<u>          </u>	<u>          </u>		
GRAND TOTAL		\$31,650.00		

OCCUPANCY - VEHICLE

Items Lost - 1 Total \$ Loss - \$127,043.47

In our opinion most of the fires were caused by the overloading of electrical systems (with heaters, battery blankets, block heaters, etc) and poor maintenance.

In only one case was mischief suspected (snowmobile).

<u>INS. LOSS</u>	<u>UNINS. LOSS</u>	<u>CAUSE</u>
10,000.00		Wiring Short
7,000.00		Wiring Short
20,000.00		Wiring Short
	1,000.00	Short in Heater (Interior)
	500.00	Gas on Manifold
1,000.00		Mischief (snowmobile)
16,000.00		Friction - Wheels
	200.00	Electrical
800.00		Hyd. Oil & Electrical
300.00		Carburetor
	10,000.00	Child - Matches
19,000.00		Carburetor
1,500.00		Overheated Engine
12,000.00		Cleaning Engine with Gas
11,700.00		Electrical
3,600.00		Electrical
	100.00	Propane Converter
6,843.47		Unknown
5,500.00		Mechanical Failure
<u>TOTAL \$115,243.47</u>	<u>\$11,800.00</u>	
	GRAND TOTAL	\$127,043.47

SMOKING CAUSE - (CIGARETTES)

Lives Lost - 1

Total \$ Loss - \$101,700.00

Still a major cause of property loss and caused one death. Combined with mis-use of (or carelessness with) matches, smoking presents a real fire hazard in the N.W.T. Again, public education combined with enforcement of smoking restrictions in specified public areas, is probably the best means of reducing fires caused by cigarettes/matches.

<u>INS. LOSS</u>	<u>UNINS. LOSS</u>
	300.00
	200.00
	7,500.00
	50.00
	200.00
	200.00
	100.00
	200.00
	100.00
	200.00
	8,000.00
	5,000.00
	40,000.00
	150.00
	30,000.00
8,000.00	
	1,500.00
<u>TOTAL</u>	<u>\$93,700.00</u>
\$8,000.00	

GRAND TOTAL \$101,700.00

MATCHES CAUSE

Lives Lost - 1 (child)

Total \$ Loss - \$180,750.00

<u>INS. LOSS</u>	<u>UNINS. LOSS</u>
	50.00
	400.00
	550.00
	13,000.00
	100.00
	70,000.00
	5,000.00
	2,000.00
	5,000.00
	1,000.00
	18,000.00
	1,000.00
	250.00
	1,200.00
	200.00
5,000.00	
	13,000.00
	10,000.00
	500.00
	22,500.00
	12,000.00
	<hr/> <hr/>
TOTAL	\$5,000.00
	\$175,750.00
GRAND TOTAL	\$180,750.00

HEATING SYSTEMS

Lives Lost - Nil

Total \$ Loss - \$879,100.00

The prime causes of fires caused by heating systems were:

- poor or improper furnace maintenance
- poor housekeeping in furnace rooms (flammables stored in furnace rooms)
- oil spillages in furnace area.

These problems would, in most cases, be solved by simply implementing a proper maintenance and inspection program.

	<u>SOLID</u>	<u>OIL</u>	<u>GAS</u>
	1,200.00		
			660,000.00
		12,000.00	
		3,000.00	
		500.00	
		10,000.00	
		25,000.00	
		70,000.00	
			200.00
		200.00	
	16,800.00		
		35,000.00	
		20,000.00	
	5,000.00		
	20,000.00		
	<u>43,000.00</u>	<u>175,900.00</u>	<u>660,200.00</u>
TOTAL	\$43,000.00	\$175,900.00	\$660,200.00
	GRAND TOTAL \$879,100.00		

## ELECTRICAL CAUSE (ALL FIRES)

Most of the fires are caused by the following:

- a)- poor initial installation technique
- b)- poor maintenance
- c)- renovations involving re-wiring or adding to existing wiring performed to an unsatisfactory standard
- d)- over use of extension cords (instead of permanent wiring)
- e)- overloading and poor maintenance of extension cords
- f)- overloading of electrical circuits

At least two deaths are directly attributable to f).

We intend to enforce the relevant electrical codes and standards as far as our manpower resources will permit. Aside from this, our public fire safety awareness program will include electrical safety.

Lives Lost - 2

Total \$ Loss - \$564,650.00

\$ LOSS

- 20,000.00
- 9,000.00
- 200.00
- 1,500.00
- 10,000.00
- 11,500.00
- 7,000.00
- 20,000.00
- 50.00
- 1,000.00
- 2,500.00
- 200.00
- 200.00
- 500.00
- 200.00
- 5,000.00
- 1,000.00
- 55,000.00
- 70,000.00
- 500.00
- 300,000.00
- 6,000.00
- 10,000.00
- 11,700.00
- 3,600.00
- 8,000.00
- 10,000.00

Total \$564,650.00

Federal property, Norman Wells, Electrical cause suspected,  
not calculated in Total Fires - \$125,000.00.

UNINSURED LOSS

Insured Loss - Nil

Total Loss - \$846,342.47

INS. LOSS	UNINS. LOSS
	9,000.00
	38,000.00
	13,000.00
	75,000.00
	1,500.00
	1,000.00
	16,000.00
6,500.00	
	349,999.00
3,000.00	2,000.00
	500.00
	30,000.00
	2,100.00
70,000.00	
	200.00
	120,000.00
	500.00
50,000.00	
6,843.47	
	11,000.00
	40,000.00
	200.00
TOTAL	TOTAL
\$136,343.47	709,999.00

GRAND TOTAL \$864,342.47



## FIRE DEATHS AND INJURIES

### Deaths

Deaths from fires resulted from a number of causes including:

- mis-use of flammable liquids - 2 deaths
- children playing with matches - 2 deaths
- cigarette smoking - 1 death
- furnace malfunction - 5 deaths
- electrical overload of lamp - 2 deaths
- kitchen area - exact cause unknown - 4 deaths

TOTAL DEATHS - 16

### Injuries

- matches/lighter - 3
- escaping from fire - 14
- firefighters on duty - 2
- furnace malfunction - 3
- unknown - 1

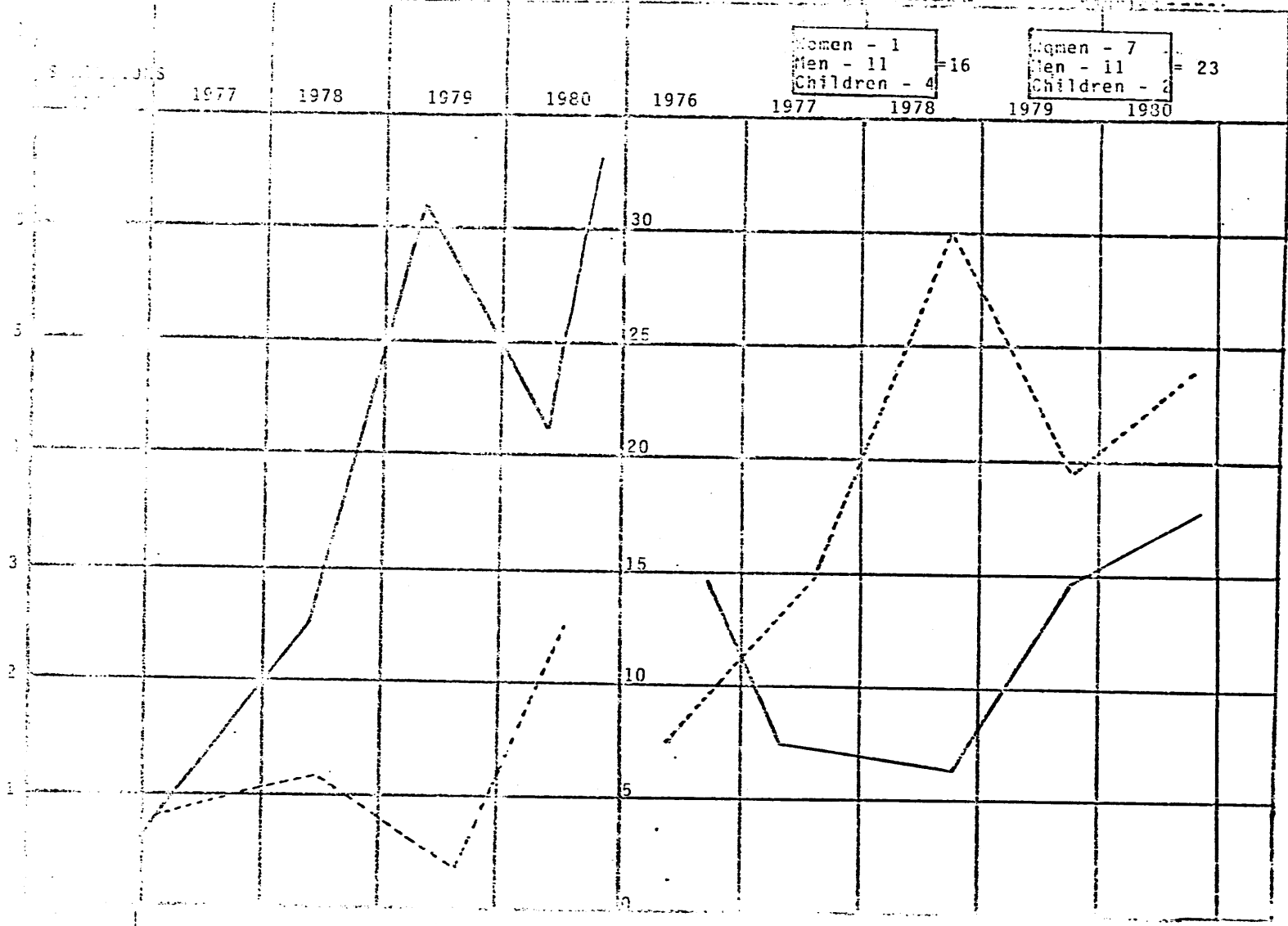
TOTAL INJURIES - 23

Most of the above deaths and injuries are attributable to human error. We are committed to increasing and expanding our public education Fire and Electrical Safety Program in the schools, the home, and in the workplace.

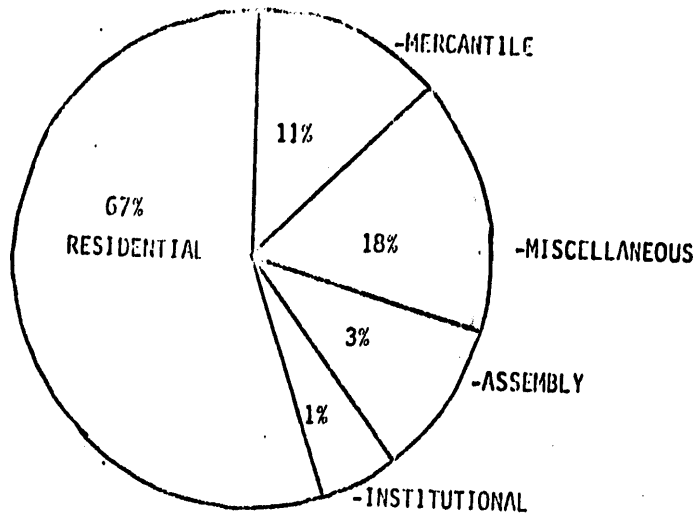
DEATHS AND INJURIES

FIRE DEPARTMENT	FIRE MOTOR VEHICLE	TOTAL	FIRES			CAUSE
			BOY	WOMEN	CHILDREN	
		1	2			Child - Matches
2						Flammable Liquid
1						Cigarette
			2			Fire Fighter-on duty
			2	5		Escaping from fire
			1			Escaping from fire
		1				Playing with matches
			1			Escaping from fire
1				1	2	Furnace
2	1	1				Furnace
1						Flammable Liquid
			1			Cigarette Lighter
1		1				Food on Stove
			1			Unknown
2						Electric Lamp
			1	1	3	Escaping from fire
1						Succumbed to injuries fr fire incurred in 1979
<b>TOTAL</b>	<b>11</b>	<b>1</b>	<b>4</b>	<b>11</b>	<b>7</b>	<b>5</b>

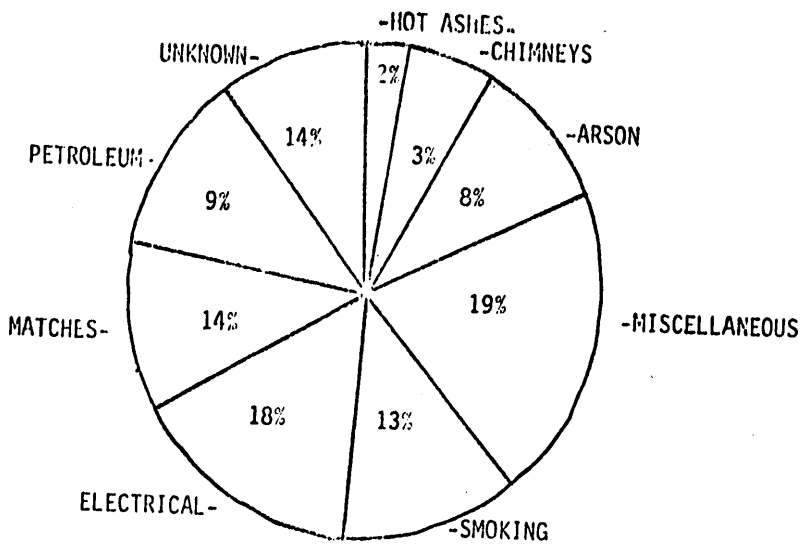
Accidental in Relation to Total Loss



% PROPERTY LOSS BY CAUSE



OCCUPANCY



CAUSES

ADP: 475A-1524A  
ADP: 475A-1524A  
ADP: 475A-1524A  
ADP: 475A-1524A  
ADP: 475A-1524A

FIRE LOSS RECORD FOR N.W.T.

ADP: 475A-1524A

1980

INSURANCE NO. 25 Feb. - 81  
R3-81(1)

L<sup>b</sup> ለጊዳፍ ዳ.ዳ.ል<sup>b</sup> ደርፍ

L<sup>b</sup> ለጊዳፍ

ጥፍ ናቤኃጅፍ -----1

ጥፍ ናቤኃጅፍ ልላፍ ጋግሪጅፍ -----5

ዳግፍ ጋግፍ - ልፍ ጋግፍ (ጥፍ ልፍ ጋግፍ) -----10

ልፍ ጋግፍ ልፍ ጋግፍ ልፍ ጋግፍ -----11

ዳግፍ ጋግፍ ልፍ ጋግፍ -----12

ዳግፍ ጋግፍ -----13

ልፍ ጋግፍ - ጋግፍ -----14

ልፍ ጋግፍ -----15

ልፍ ጋግፍ -----16

ልፍ ጋግፍ -----17

ልፍ ጋግፍ -----19

ልፍ ጋግፍ ልፍ ጋግፍ -----20

ዳግፍ ጋግፍ ልፍ ጋግፍ -----23



2) ዩናይትድ ፍላጎት

በፍላጎት ዓይነት የሚገኘው የፍላጎት ስርዓት ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡ ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡ ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡

ኢትዮጵያ የሚገኘው የፍላጎት ስርዓት ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡ ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡ ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡

3) ሌሎች ካልተጠቀሱት

1980-ገ ዓ.ም. የኢትዮጵያ ሕገ መንግሥት ስርዓት ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡ ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡ ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡

4) የግንባታ

ኢትዮጵያ የሚገኘው የፍላጎት ስርዓት ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡ ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡ ለኢትዮጵያ ሕገ መንግሥት ምንም ዓይነት አካላት የሚጠየቅ አይደለም፡፡



መሮሽ ላገረው, ልዩ ስራዎች ለማጠናቀቅ ይገባል። ተቃራኒ ሆኖ ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል። ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል። ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል።

- ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል።
- ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል።
- ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል።

በግልጽ ሆኖ ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል። ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል። ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል።

1981-ገ ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል። ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል። ለሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል።

M.J. Hewitt,  
ሌሎች ስራዎች ለማስፈጸም ልዩ ስራዎች ለማጠናቀቅ ይገባል።