### MOORHEAD FIRE DIVISIONS 1999 ANNUAL REPORT

### TABLE OF CONTENTS

Chief's Report	1
Fire Prevention Report	4
Suppression Report	7
Rental Registration/Inspection Report	11
Environmental Health Report	15
Building Codes Report	18



(218) 299-5434 FAX (218) 299-5072

### 1999 MOORHEAD FIRE & RESCUE DEPARTMENT ANNUAL FIRE CHIEF REPORT Marty Soeth, Fire Chief

There were 2,066 emergency run responses in 1999, as compared to 1,978 in 1998, which is an increase of approximately 4%. The increases over the last five years are as follows:

<u>Year</u>	Number of Emergency Runs	<u>Increase</u>
1999	2,066	4%
1998	1,978	1.5%
1997	1,949	3%
1996	1,893	5.9%
1995	1,786	7.4%
1994	1,665	

Listed below are the estimated total fire losses for the last five years. This year we have added the total values and total saved, as we believe these are important numbers as well. When structure fires were involved, the value was obtained from the City Assessor's estimated market values. A further breakdown of all responses is found in the Fire Suppression Report on page 10.

<u>Total Loss</u>	Total Values	<u>Total Saved</u>
\$1,470,095.00	\$10,155,595.00	\$8,685,500.00
\$540,588.00		
\$183,430.00		
\$262,765.00		
\$581,856.00		
\$499,225.00		
	\$1,470,095.00 \$540,588.00 \$183,430.00 \$262,765.00 \$581,856.00	\$1,470,095.00 \$540,588.00 \$183,430.00 \$262,765.00 \$581,856.00

1.



You may note the total loss for 1999 was over double the amount of the total loss for 1998. Contributing to this high dollar loss was the fire that occurred at A-1 Pawn on May 29, 1999. I believe that given the magnitude of this fire, the loss would have undoubtedly been much higher without the professionals that were there to control it.

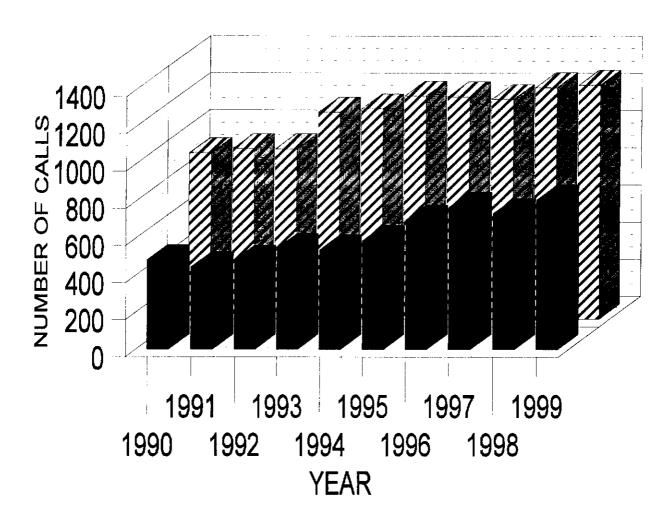
This year we saw many changes within our department. Retirees in 1999 were Assistant Fire Chief Don Johnson and Firefighters Gary Haaland and Ray Kline. Firefighter Andy Garding also left our Department for employment elsewhere. We had several promotions within our Department; Firefighters Mike Saulsbury and Rich Eggert were promoted to Fire Lieutenants, Lieutenant Greg Doeden was promoted to Assistant Fire Chief, and Assistant Fire Marshal Todd Erickson was promoted to Fire Marshal.

New Firefighters hired in 1999 were Jen Willis, Eric Berg, Jason Dewar and Dan Oldham. Rental Housing Inspector John Mrozla left employment with the Rental Housing Division and in his place Len Dusek was hired.

We had a <u>very</u> busy year in 1999. I feel a very special thanks must go to the Firefighters and Officers of the Moorhead Fire & Rescue and to all the employees of the Fire Administration Office. The Moorhead Fire & Rescue Department and Codes Office could not operate as efficiently and effectively as it now does without their experience, dedication and support.

I would also like to thank Mayor Lanning, members of the Moorhead City Council, and the City Manager for the assistance and guidance given to our department.

### ALARM CALLS 1990 - 1999









111 12th STREET NORTH, MOORHEAD, MINNESOTA 56560 (218) 299-5434 FAX (218) 299-5072

# 1999 MOORHEAD FIRE & RESCUE DEPARTMENT ANNUAL REPORT FIRE PREVENTION DIVISION Todd Erickson, Fire Marshal

Enclosed is the 1999 annual report for the Fire Prevention Division. This report includes activities from the Fire Marshal, Housing Inspectors and Fire Suppression Shift Inspectors.

Because of the inspections and corrected violations, the property in Moorhead becomes safer for residents, the property values increase for the owners, and the neighborhoods maintain their individuality and neighborhood pride.

In 1999, there was no loss of life in Moorhead due to fire, demonstrating the importance of fire prevention.

Public fire education classes were an important part of the 1999 Fire Prevention Program. The classes given included: CPR/First Aid, Fire Extinguisher, Fire Extinguisher/Fire Safety, Fire Safety, Fire Safety for the Elderly, Fire Safety/Safe Babysitting and Friendly Monster. Approximately 23 classes were given by the Moorhead Fire Prevention Division in 1999, with a total of 1,385 people attending.



### FIRE PREVENTION QUARTERLY FIRE PREVENTION REPORT

JANUARY 1, 1999, THROUGH DECEMBER 31, 19
--

	1ST QTR.	2ND QTR.	3RD QTR.	4TH QTR.	TOTAL
Fire Prevention Man Hours on Field Inspections	68	90	127	68	353
Fire Prevention Bureau Inspections	175	141	168	88	572
Written Violations	66	27	78	32	203
Verbal Violations	28	19	23	6	76
Corrections	46	52	80	44	222
Housing Inspections	4	14	53	-0-	71
Units Inspected	10	54	103	-0-	167
Commercial Inspections	171	128	115	68	482
Building Code Inspections	-0-	-0-	-0-	-0-	-0-
New Inspections	132	84	118	60	394
Reinspections	43	56	50	28	177
Complaint Inspections	-0-	-0-	-0-	-0-	-0-

TIME SPENT IN THE FOLLOWING AREAS (HOURS):	1ST QTR.	2ND QTR.	3RD QTR.	4TH QTR.	TOTAL
Meetings and Conferences	25	32	17	9	83
Schools Attended	89	21	55	16	181
Fire Investigations	31	73	-0-	3	107
Fire Safety Classes Given	32	17	18	14	81
Fire Department Duties	199	242	225	257	923
Court Related Appearances	-0-	-0-	-0-	-0-	-0-
Plan Checks	7	6	-0-	-0-	13
TOTAL HOURS	383	391	315	299	1,388



# 1999 MOORHEAD FIRE & RESCUE DEPARTMENT ANNUAL REPORT FIRE SUPPRESSION DIVISION Marty Soeth, Fire Chief

The following report reflects the duties performed by the Suppression Division. In addition to responding to alarms, suppression includes training, public education, all types of emergency responses and other services performed by Fire & Rescue personnel.

The fire service is an ever changing profession and training is essential for our Officers and Firefighters to maintain and expand their skills. The department's high level rescue team is actively training and operational. Hazardous Material training for the Regional Hazmat Team is ongoing along with inspections, suppression, confined space, drivers training, water rescue and preplanning activities. Besides the training aspect, much of Suppression's time is spent on facility and equipment maintenance as is reflected in the following report.

A light rescue truck was purchased by the department in 1999. This rescue truck responds to both fire and medical calls. The truck is equipped with a defibrillator, backboards and oxygen. The Jaws of Life extrication equipment is also on board, as is a portable air supply, a generator for portable lighting and other types of rescue equipment.

In 1999, there was a total of 2,066 emergency calls; of this number, 1,259 were emergency medical responses. I have attached a Breakdown of Responses for 1999 which also includes an estimated dollar loss, total values and total saved.



### MOORHEAD FIRE & RESCUE SUPPRESSION DIVISION ACTIVITY HOURS FOR 1999

ACTIVITY	HOURS				
Training	4,668.00				
Facility Maintenance	3,103.50				
Equipment Maintenance	4,023.00				
Inspections	394.00				
Public Education	362.00				
Administration	2,690.50				
Physical Training	2,936.50				
Fire Runs	1,948.50				
Medical Runs	1,309.50				

MOORHEAD FI	RE& RESC KDOWN OF	ORHEAD FIRE & RESCUE DEPARTMENT: 1999 BREAKDOWN OF RESPONSES		
TYPE OF SITUATION	TOTAL NUMBER	TOTAL VALUES	TOTAL LOSSES	TOTAL SAVED
FIRE				
Fire/Explosion	2	\$2,001,000.00	\$100.00	\$2,000,900.00
Structure Fire	28	\$7,142,395.00	\$1,380,645.00	\$5,761,750.00
Outside of Structure Fire	9	\$2,000.00	\$2,000.00	-0-\$
Vehicle Fire	22	\$71,500.00	\$40,100.00	\$31,400.00
Trees, Brush, Grass Fire	4	\$500.00	\$100.00	\$400.00
Refuse Fire	10	\$668,200.00	\$44,700.00	\$623,500.00
Fire/Explosion Not Classified	3	\$270,000.00	\$2,450.00	\$267,550.00
TOTAL FIRES		\$10,455,595.00	\$1,470,095.00	00.002,385,885,500
Overpressure Ruptures (steam, air and gas ruptures)	7			
Rescue Calls (emergency medical, search, extrication and ambulance assist)	1,259			
Hazardous Condition (spill/leaks, power line down, arcing/shorting electrical equipment and hazardous condition standby)	84			
Service Calls (lock-out, water evacuation, smoke/odor removal, assist Police and other service calls)	95			
Good Intent Calls (smoke scares, controlled burning, vicinity alarm, steam or other gas thought as smoke)	302			
False Calls (malicious/mischievous false calls, bomb scare - no bomb, system malfunction and unintentional false calls)	244			
■TOTIAL FOR ALL FINCIDENCESS	2,086	Section Espession	005800044015	\$8,686,500.00

### RENTAL REGISTRATION

# INSPECTION PROGRAM



# 1999 MOORHEAD FIRE & RESCUE DEPARTMENT ANNUAL REPORT RENTAL REGISTRATION/INSPECTION PROGRAM Todd Erickson, Fire Marshal

Since its inception in 1986, the Rental Registration/Inspection Program continues to move forward to address the issues of parking, deterioration of housing, absentee landlords and overcrowding of rental property.

There are currently 923 properties registered as rental with a total of 4,509 individual units. In 1999, there were 898 housing inspections made. There were 2,373 written housing violations with 1,695 of these violations being fully corrected.

I believe the statistics reveal the effectiveness of the Rental Registration/Inspection Program. This program is doing the job it was designed for - systematic inspection of rental property, addressing life safety and other housing violations, and obtaining corrections of the noted violations.

I have two enclosures following this report. The first is a quarterly breakdown of rental housing inspections and the second is a comparison of fees collected for reinspection and late registration fees.



12.

### RENTAL HOUSING QUARTERLY FIRE PREVENTION REPORT FOR RENTAL INSPECTIONS

### JANUARY 1, 1999, THROUGH DECEMBER 31, 1999:

	1ST QTR.	2ND QTR.	3RD QTR.	4TH QTR.	TOTAL
Fire Prevention Man Hours on Field Inspections	182.5	217.5	100.5	93	593.5
Fire Prevention Bureau Inspections	276	310	122	109	817
Written Violations	535	777	425	433	2,170
Verbal Violations	-0-	1	4	-0-	5
Corrections	264	508	393	308	1,473
Housing Inspections	276	310	122	119	827
Units Inspected	104	989	193	153	1,439
Commercial Inspections	-0-	-0-	-0-	-0-	-0-
Building Code Inspections	-0-	-0-	-0-	-0-	<b>-</b> 0-
New Inspections	161	151	40	35	387
Reinspections	116	162	82	66	426
Complaint Inspections	2	-0-	-0-	-0-	2

### **TIME SPENT IN THE FOLLOWING AREAS (HOURS):**

·	1ST QTR.	2ND QTR.	3RD QTR.	4TH QTR.	TOTAL
Meetings and Conferences	-0-	-0-	-0-	-0-	-0-
Schools Attended	8	-0-	-0-	-0-	8
Fire Investigations	-0-	-0-	-0-	-0-	-0-
Fire Safety Classes Given	-0-	-0-	-0-	-0-	-0-
Fire Department Duties	-0-	-0-	-0-	-0-	-0-
Court Related Appearances	-0-	-0-	-0-	-0-	-0-
Plan Checks	-0-	-0-	-0-	-0-	-0-
TOTAL HOURS	-0-	-0-	-0-	-0-	8

	1999	2.00	0	5.00	200	0	8:30	8.00		0	9 3			\$26,00
COPIES	1998	77.80	0	0	66.00	o	0	0	0	0	0	0	10.00	¥153.80
100	1997	0	0	0	o	0	10.00	0	0	0	11.00	0	0	\$21,00
	1996	5.00	5.00	0	0	5.00	86.70	0	0	0	0	0	0	\$101.70
	1999	430:00	80.00	40.00	240,00	300:008	0	. 0	. 00:009	90,00		20.00	30.00	\$2220.00
LATE REGISTRATION	1998	390.00	280.00	180.00	1160.00	640.00	400.00	0	80.00	٥	10.00	530.00	530.00	\$4200.00
LATE REGI	1997	50.00	0	0	240.00	40.00	0	0	0	0	0	70.00	740.00	\$1140.00
	1996	80.00	30.00	30.00	40.00	140.00	0	80.00	0	0	80.00	90.06	60.00	<b>6630.00</b>
	666)	150.00	(a) (a)			0	<b>0</b> (8 %)	. 325.00 <u> </u>	100.00	100.00	475.00	325.00	150.00	\$1625.00
TION FEES	1998	0	250.00	0	175.00	75.00	25.00	0	175.00	125.00	800.00	100.00	350.00	\$2075,00
REINSPECTION FEES	1997	25.00	25.00	0	175.00	25.00	175.00	0	0	0	375.00	250.00	400.00	, \$1450.00 E
	1996	0	0	25.00	50.00	25.00	75.00	0	100.00	0	150.00	75.00	50.00	*550.00
	МОМТН	JAN	FEB	MAR	APR	MAY	NON	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL

	. 6861	10.00	10.00	2.00	0 = 0
ES	1998	77.80	66.00	0	10.00
COPIES	1997	0	10.00	o	11.00
	1996	10.00	91.70	0	0
	-666)	= 260.00 ···	540.00	680,00	450.00
PATION FEES	1998	850.00	2200.00	80.00	1070.00
LATE REGISTRATION FEES	1997	50.00	280.00	0	810.00
	1996	140.00	180.00	80.00	230.00
	- 1999	00.031	0	625.00	950.00
ION FEES	1998	250.00	275.00	300.00	1250.00
REINSPECTION FEES	1997	50.00	375.00	0	1025.00
	1996	25.00	150.00	100.00	275.00
	QUARTER	JAN/FEB/MAR	APR/MAY/JUN	JUL/AUG/SEP	OCT/NOV/DEC

rh\rh fees collected comparison report.wpd

# ENVIRONMENTAL HEALTH



# 1999 MOORHEAD FIRE & RESCUE DEPARTMENT ANNUAL REPORT ENVIRONMENTAL HEALTH DIVISION Don Lawrence, Environmental Health Director

The Environmental Health Division inspects all food/beverage/lodging, mobile home parks, swimming pools and vending machines. This Division also takes care of nuisance complaints and does plan review for new construction and remodeling of food/beverage/lodging establishments. The Environmental Health Division has a delegation agreement with both the Minnesota Department of Health and Department of Agriculture regarding environmental affairs.

Most nuisance complaints are channeled through Citizen Action Requests, which are complaints received from citizens concerning junk/debris, junk vehicles, food service, pools and mobile home parks. An estimated 100 letters were written regarding Citizen Action Requests this year. Eleven were referred to the office of the City Attorney for prosecution. Six complaints were referred to the City for abatement.

Periodically we receive requests for information concerning indoor air problems such as mold and radon. Although we have limited information, it is provided upon request. There are currently two consulting firms that deal specifically with indoor air problems that we can use as referrals, however. Outdoor air problems, oil spills or complaints of that nature are referred to the Minnesota Pollution Control Agency.

The vending machines have increased since the program was initiated; there were 62 machines in 1989, and an estimated 130 machines in 1999.

Some of the positive changes in 1999, were:

- (1) The adoption and implementation of the FDA Food Code.
- (2) The updating of all mandatory evacuation plans for mobile home courts.
- (3) Implementation of the standard orders for all the program areas.

16.



### ENVIRONMENTAL HEALTH REPORT DIRECTOR

### JAN. 1, 1999, THROUGH DEC. 31, 1999:

#### TOTAL

IOIAL
1,065
706
380
275
15
273
7
56
250
130
5

### **TIME SPENT IN OTHER AREAS (HOURS)**

#### **TOTAL**

Meetings and Conferences	57
Schools Attended	34
Classes Given	-0-
Court Related Appearances	-0-
Plan Checks	62
TOTAL HOURS	153

# BUILDING CODES



(218) 299-5434 FAX (218) 299-5072

### 1999 ANNUAL REPORT **BUILDING CODES DIVISION**

Included herein is the Divisions's Annual Report which contains comparisons of permit activity in 1999 to previous years and comments about the past year.

TABLE: 1990 - 1999 COMPARISONS OF CONSTRUCTION ACTIVITY BY MAJOR CATEGORYPa	nge 20
TABLE: 1990 - 1999 PERMIT, VALUATION AND REVENUE COMPARISONSPa	ige 20
COMMENTS:Pa	ige 21



= T
2
2
α
Z
2
₫
M
>
Š
3ER
M
Z
Ħ
K
2
P
Ž
<u>S</u>
AR
Ŧ
g
YEAR (
ÃΑ
<b>~</b> 0
~

24.7			0.000										
TEAK	OF BLDG PERMITS	BUILDING PERMIT VALUATION	BUILDING PERMIT REVENUES	NUMBER OF MECH PERMITS	MECH PERMIT REVENUES	NUMBER OF PLMB PERMITS	PLUMBING PERMIT REVENUES	PLMB/HTG LICENSE FEES	OTHER FEES	TOTAL MN SUR- CHARGE	NUMBER OF TOTAL PERMITS	TOTAL REVENUE	75
1990	447	21,012,716.00	00.770,77	368	9,240.00	432	19,389.00	5,030.00	3,575.00	10.761.60	1 247	\$ 125	125 072 RA
1991	513	23,085,259.00	74,398.50	387	12,022.00	426	21,132.00	4,540.00	2,525.00	11.279.00	1326	125,	125 ROG EO
1992	615	19,970,216.00	79,644.50	390	12,722.00	324	21,363.50	2,810.00	6,860.00	11.056.50	1 329		134 456 50
1993	729	43,554,522.00	148,686.50	512	17,731.00	288	23,330.00	4,830.00	3,540.00	21.283.52	1 529	1	210 404 02
1994	989	26,651,516.00	101,530.00	468	15,558.00	971	30,150,00	3.790.00	1 590 00	14 515 20	2 405	` `	20.104
1995	640	23 831 684 DO	03 130 50	504	19 064 00	776	20 274 00	000000	20.001.	02:010:	671,2		107,133.20
2001	3	00:100:100:03	93,133.30	160	10,4004.00	9//	28,374.00	2,190.00	1,640.00	13,518.00	2,016	\$ 156,9	156,925.50
1996	554	25,069,947.00	93,735.75	565	19,033.00	650	22,585.00	3,420.00	1,785.00	13,464.00	1,769	\$ 154.	154 022 75
1997	620	20,702,468.00	75,175.00	647	19,407.00	381	14,396.50	3,495.00	1,905.00	11,675.50		1	26.054.00
1998	621	28,077,235.00	103,510.00	513	17,524.00	303	17,447.00	3,455.00	4,567.00	15,698.00	$\top$		162 201 00
1999	599	35,953,896.00	121,078.00	654	23,508.00	263	17,203.00	615.00	375.00	18,559,50	Τ		181 228 50
												1	2

•
$\alpha$
$\overline{}$
U
Ō
ш
•
13
$\mathbf{\mathcal{C}}$
_
$\mathbf{\omega}$
_
<b>—</b>
_
>
=
$\vdash$
Ç
0
•
<b>4</b> B
U
Ÿ
_
=
u
$\mathbf{\perp}$
=
_
≣
Ш
ш
$\overline{}$
ō
_
Z
$\overline{}$
U
ĬŌ.
~
≂
щ
MPARI
$\overline{}$
u.
5
~
$\cap$
$\mathbf{r}$
O
_
$\sim$
-
⋖
111
Щ
YEA
<u> </u>
O YE
10 YE
10 YE

į	NEW SII	NEW SINGLE FAMILY DWELLING		NEW MULTIPLE DWELLING	LTIPLE	COMME	COMMERCIAL (NEW & REMODEL)	GARAGE RESIDENTI	GARAGE PERMITS & RESIDENTIAL REMODEL	MISC	1.	TOTALS	
TEAK	#OF PERMITS	VALUATION	#OF PERM	# OF UNITS	VALUATION	# OF PERMITS	VALUATION	# OF PERMITS	VALUATION	BLDG PERMITS	# OF PFRMITS	VALUATION	z
1990	65	\$ 5,372,000.00	6	64	\$ 1,204,000.00	130	\$ 13,131,260.00	205	\$ 1,222,756.00	38	447	\$ 20 930 046 00	16 00
1991	፠	\$ 4,804,900.00	11	128	\$ 3,414,000.00	134	\$ 13,442,021.00	256	\$ 1,424,338.00	56	513		20.02
1992	135	\$ 11,731,334.00	2	92	\$ 2,680,000.00	110	\$ 3,722,820.00	318	\$ 1,836,062.00	47	615		3 5
1993	141	\$ 13,660,500.00	11	155	\$ 3,623,000.00	109	\$ 24,248,351.00	332	\$ 2,022,671.00	130	229	43 554 522 00	3 5
1994	72	\$ 7,678,000.00	13	51	\$ 2,104,500.00	113	\$ 13,959,123.00	376	\$ 2.909.893.00	13	ege.	\$ 75,534,522.00	20.45
1995	128	\$ 12,092,300.00	က	9	\$ 390,000.00	121	\$ 8,131,729.00	319	\$ 3,217,655,00	82	640	\$ 23,031,316.00	3 5
1996	2.2	\$ 7,956,300.00	2	4	\$ 240,000.00	131	\$ 14,541,159.00	312	\$ 2,332,488.00	52	554	\$ 25,631,064.00	44.00
1997	52	\$ 5,904,000.00	2	20	\$ 1,204,000.00	101	\$ 9,460,260.00	371	\$ 4,134,208.00	91	620		3 6
1998	101	\$ 9,989,147.00	4	6	\$ 1,320,000.00	106	\$ 14,401,050.00	337	\$ 2,367,038.00	73	621	ļ	35.00
1999	6	\$ 11,777,000.00	4	62	\$ 4,973,000.00	93	\$ 16,365,942.00	347	\$ 2,825,054.00	98			8 8

### THE CODES DEPARTMENT

The Moorhead Codes Department, which is located in the Main Fire Station Annex, is staffed by a Building Official, a Plumbing/Heating/Building Inspector, a half-time Building Inspector, and an Office Specialist.

The principal responsibility of the Codes Department is the enforcement of the various laws and ordinance enacted by the City and State regulating building construction.

Enforcement of these codes generally consists of review of proposed work to establish compliance with laws and ordinance, issuance of permits, and inspection of the work to insure compliance.

Staff members are also involved in a wide variety of other projects that include the preparation of a myriad of reports, public education, handling of complaints and inquiries, attending various meetings, reviewing and recommending changes in city ordinances, staff education, and providing information for other city departments and the public.

#### **THE YEAR 1999**

A total of 599 building permits were issued in 1999, compared to 621 permits issued in 1998. Valuation, however, increased by 28% to \$35,953,896.

New home construction included 97 single family dwellings with a total valuation of \$11,777,000, a 18% increase over 1998. Commercial construction showed a decrease in permits down to 93, however total valuation was up 14% to \$16,365,942.

#### REVENUE

Total revenue for the year was \$181,338.50 for the 1,516 permits issued. This represents an increase of 12% over 1998.

#### PERSONNEL STATUS

Don Sakry started his tenth year as Building/Plumbing/Heating Inspector. Don also assists with plan reviews, permit issuance, and answering code questions.

Kurt Wenzel started his seventh year in the Codes Department as a Building Inspector. Kurt attended the Colorado Building Officials Annual Educational Institute in Denver, Colorado, in March.

Karen Berg started her second year in the Codes Department as an Office Specialist. Karen has been attending seminars and is a member of the Minnesota Building Permit Technicians Association.

These staff members issue more than one thousand permits each year as well as

preparing more than 40 technical reports, supervise contractor licensing, and direct thousands of inspection requests.

Rick Davidson completed twelve years of service in 1999 as Building Official and Zoning Administrator. Rick attended ICBO's Annual Education and Code Change Conference in St. Louis during September. Rick also sits on the Minnesota Building Officials International Residential Code Change Committee, the State Education Committee, the International Zoning Code Committee, and a Technical Advisory Committee to the Governors Construction Codes Advisory Council as well as being active in a number of building official chapter activities.

#### SUMMARY

Based on valuation, 1999 was second only to 1993, in the last ten years in construction activity. Moorhead experienced a successful construction year in 1999 with continued growth expected into the foreseeable future.