

Annual Report 2017

To Serve and protect all whom live in and travel through our beautiful township.

LYON TOWNSHIP FIRE & EMS

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Lyon Twp. Fire & EMS Mission Statement

Lyon Township Fire & EMS Department provides the residents of and all whom travel through Lyon Township. Life Safety, Property Conservation and Environmental protection. In a safe professional manner.

Your Firefighters

Chief	Bill Cleeves	AAS Delta College Criminal Justice AAS Delta College Fire Science Technology AAS Delta College Fire Technician AAS Delta College Leadership & Training AAS Delta College Fire Investigation and Prevention Firefighter 1 & 2 Fire Officer 1,2,3 Michigan Fire Fighters Training Council Instructor 2 EMT-B Fire Investigator
Assistant Chief	Craig Williams	Firefighter 1 & 2 AAS Business Management Kirtland College EMT-B
Capitan	Greg Flewelling	Firefighter 1& 2 AAS Automotive Technology Kirtland College BS Automotive Management Ferris State EMT-B
Lieutenant	Terry Bartel	Firefighter 1 & 2 EMT-B A.A.S. Emergency Management Baker College A.A.S Nursing Kirtland College

Safety Officer Ronald Hnizda	Firefighter 1&2 BS Data processing Ferris State BS Business management Ferris State
Temp. Lieutenant Ron Cunningham	Firefighter 1 MFR
Temp. Lieutenant Dennis Dailey	Firefighter 1 & 2
Firefighter Gerald Jakubiak	Firefighter 1 & 2 EMT-B
Firefighter Del Austin	Firefighter 1 & 2
Firefighter Vince Austin	Firefighter 1 & 2
Firefighter Gail Holder	Firefighter 1 & 2 EMT-B
Firefighter Sarah Bohnsack	Firefighter 1 & 2 AAS Liberal Arts Oakland College EMT-B
Firefighter J C Holder	Firefighter 1 & 2
Firefighter Dave Rickwalt	Firefighter 1 & 2
Firefighter Jim Young	Firefighter 1 MFR

HIGH POINTS OF 2017

Moved into new station

Cost recovery program expanded

Members participation in advanced trainings, meeting Risk carrier requirements

Department training set to annual schedule

Reviewing all Dept Contracts

Up Dating Site Plans in our area of operations

Working on setting up MABAS Division

Advanced training on going at Station

2017 -2108 Training to be held at Lyon Fire & EMS Department

Department total Hours Training	1940.15 Hours all subjects
Total Hours Runs, Training, Meetings, work details	<u>3048.29</u>

Michigan Firefighter Training Council Classes these are in addition to our normal Department training.

Instructor Orientation

Fire Officer 1 & 2

Health & Safety Officer

Incident Safety Officer

Educational Methodology

Leadership 1

Leadership 2

Leadership 3

Mutual Aid Tanker Shuttle

Vehicle Extrication

LYON TOWNSHIP FIRE DEPARTMENT, HIGGINS LAKE, MI 48627-0048
 Training/Meetings Topics Summary

01/01/2017 through 12/31/2017

<u>Topic</u>	<u>No.</u> <u>Attending</u>	<u>Topic</u>	<u>Credit</u> <u>Hrs:M1n</u>
BUILDING CONSTRUCTION		0: 00	0: 00
BUILDING MAINTANANCE	37	8: 30	104:30
BUILDING MAINTENANCE	45	28: 30	353:00
BUSINESS MEETING	132	21: 35	286:15
Caninity SERVICE	11	4: 00	44:00
EMS Training	37	6: 30	81: 00
Hazmat Training	14	2: 30	35: 00
MED CONTROL UPDATE	36	26: 00	312: 00
MEDICAL LECTURE	35	6: 00	71: 00
MEDICAL PRACTICAL		0: 00	0: 00
OFFICER MEETING	5	1: 00	5: 00
OFFICER MEETING & WORK DETAI	14	2: 30	35: 00
OVERDOSE AND HAZARDOUS CHEM	10	2: 00	20: 00
Personal Protective Equipment	14	2:30	35: 00
PUMP OPERATTONS	12	20 :30	246:00
Rescue and Extrication		0: 00	0: 00
ROAD MAPPING	12	2: 00	24: 00
SCBA	14	2: 30	35: 00
SCBA ANNUAL PTT TEST	13	3: 00	39: 00
SCENE SAFETY	12	2: 30	30: 00
VEHICLE EXTRTCATION		0: 00	0: 00
VENTILATION	13	2 :30	32: 30
Water Supply	55	10: 30	122:00
WILD LAND FIRE UP DATE	12	2: 30	30: 00

Totals : 533 157: 35 1940: 15

Department Calls for 2017

Total Calls	261
Fire Calls	54
EMS Calls	200
Service Calls	7

LYON TOWNSHIP FIRE DEPARTMENT, HIGGINS LAKE, MI 48627-0048

Basic/Fire Data Standard Report
For the Year of 2017

Printed: 03/15/2018

Field	Number	% of Total
From NFIRS - 1		
Incident Type - C1		
Fire		
<i>Structure Fire</i>		
111 Building fire	2	0.79%
112 Fires in structure other than in a building	1	0.39%
113 Cooking fire, confined to container	1	0.39%
114 Chimney or flue fire, confined to chimney or flue	1	0.39%
116 Fuel burner/boiler malfunction, fire confined	1	0.39%
118 Trash or rubbish fire, contained	1	0.39%
<i>Mobile property (vehicle) fire</i>		
136 Self-propelled motor home or recreational vehicle	2	0.79%
<i>Natural vegetation fire</i>		
142 Brush, or brush-and-grass mixture fire	2	0.79%
<i>Outside rubbish fire</i>		
154 Dumpster or other outside trash receptacle fire	1	0.39%
<i>Special outside fire</i>		
162 Outside equipment fire	1	0.39%
Rescue & Emergency Medical Service Incident		
<i>Rescue, emergency medical call (EMS), other</i>		
300 Rescue, EMS incident, other	12	4.70%
<i>Medical assist</i>		
311 Medical assist, assist EMS crew	4	1.60%
<i>Emergency medical service (EMS) Incident</i>		
320 Emergency medical service, other	4	1.60%
321 EMS call, excluding vehicle accident with injury	144	57.00%
322 Motor vehicle accident with injuries	6	2.40%
324 Motor vehicle accident with no injuries	2	0.79%
<i>Extrication, rescue</i>		
352 Extrication of victim(s) from vehicle	1	0.39%
<i>Water or ice-related rescue</i>		
362 Ice rescue	1	0.39%
<i>Rescue or EMS standby</i>		
381 Rescue or EMS standby	30	12.00%
Hazardous Condition (No fire)		
<i>Combustible/flammable spills & leaks</i>		
412 Gas leak (natural gas or LPG)	2	0.79%
<i>Chemical release, reaction, or toxic condition</i>		
424 Carbon monoxide incident	3	1.20%
<i>Electrical wiring/equipment problem</i>		
440 Electrical wiring/equipment problem, other	4	1.60%
444 Power line down	13	5.10%
Service Call		
<i>Service call, other</i>		
500 Service Call, other	3	1.20%

Field Number, % of Total

From NFIRS - 1

Service Call

Public service assistance

550 Public service assistance, other	1	0.39%
554 Assist invalid	2	0.79%

Cover assignment, standby at fire station, move-up

571 Cover assignment, standby, moveup	1	0.39%
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Good Intent Call

Steam, other gas mistaken for smoke

651 Smoke scare, odor of smoke	2	0.79%
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False Alarm & False Call

False alarm and false call, other

700 False alarm or false call, other	1	0.39%
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System or detector malfunction

733 Smoke detector activation due to malfunction	2	0.79%
735 Alarm system sounded due to malfunction	1	0.39%

Unintentional system/detector operation (no fire)

743 Smoke detector activation, no fire - unintentional	1	0.39%
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Special Incident Type

Special type of incident, other

900 Special type of incident, other	1	0.39%
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Total:

254

Primary Action Taken - F1

Action taken, Other

00 Action taken, other	6	2.40%
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Fire Control or Extinguishment

10 Fire control or extinguishment, other	3	1.20%
11 Extinguishment by fire service personnel	5	2.00%

Search & Rescue

22 Rescue, remove from harm	2	0.79%
23 Extricate, disentangle	3	1.20%

EMS & Transport

30 Emergency medical services, other	1	0.40%
31 Provide first aid & check for injuries	31	12.00%
32 Provide basic life support (BLS)	116	46.00%

Fires, Rescues & Hazardous Conditions

55 Establish safe area	12	4.70%
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Assistance

70 Assistance, other	9	3.60%
71 Assist physically disabled	7	2.80%
73 Provide manpower	3	1.20%
74 Provide apparatus	1	0.40%

Information, Investigation & Enforcement

82 Notify other agencies.	2	0.79%
86 Investigate	16	6.30%
87 Investigate fire out on arrival	1	0.40%

Fill-in, Standby

90 Fill-in, standby, other	2	0.79%
91 Fill-in or moveup	1	0.40%

Field	Number	% of Total
From NFIRS - 1		
Fill-in, Standby		
92 Standby	32	13.00%
Total:	253	
Additional Action Taken - F2		
Action taken, Other		
00 Action taken, other	4	2.50%
Fire Control or Extinguishment		
12 Salvage & overhaul	4	2.50%
EMS & Transport		
32 Provide basic life support (BLS)	4	2.50%
33 Provide advanced life support (ALS)	2	1.20%
34 Transport person	109	67.00%
Fires, Rescues & Hazardous Conditions		
51 Ventilate	1	0.61%
55 Establish safe area	1	0.61%
Assistance		
70 Assistance, other	11	6.70%
71 Assist physically disabled	1	0.61%
73 Provide manpower	2	1.20%
75 Provide equipment	1	0.61%
76 Provide water	1	0.61%
Information, Investigation & Enforcement		
81 Incident command	1	0.61%
82 Notify other agencies.	16	9.80%
86 Investigate	2	1.20%
87 Investigate fire out on arrival	1	0.61%
Fill-in, Standby		
93 Cancelled en route	2	1.20%
Total:	163	
Additional Action Taken - F3		
EMS & Transport		
34 Transport person	4	33.00%
Hazardous Condition		
44 Hazardous materials leak control & containment	1	8.30%
Assistance		
75 Provide equipment	1	8.30%
78 Control traffic	3	25.00%
Information, Investigation & Enforcement		
82 Notify other agencies.	3	25.00%
Total:	12	
Mixed Use Property - I		
40 Residential use	1	0.40%
NN Not mixed use	251	100.00%
Total:	252	
Property Use - J		
Assembly		
131 Church, mosque, synagogue, temple, chapel	1	0.40%

Field	Number	% of Total
From NFIRS - 1		
Assembly		
150 Public or government, other	1	0.40%
161 Restaurant or cafeteria	2	0.79%
162 Bar or nightclub	1	0.40%
Health Care, Detention & Correction		
300 Health care, detention, & correction, other	1	0.40%
340 Clinics, doctors offices, hemodialysis cntr, other	1	0.40%
341 Clinic, clinic-type infirmary	1	0.40%
Residential		
400 Residential, other	1	0.40%
419 1 or 2 family dwelling	174	69.00%
439 Boarding/rooming house, residential hotels	2	0.79%
449 Hotel/motel, commercial	1	0.40%
Mercantile, Business		
559 Recreational, hobby, home repair sales, pet store	1	0.40%
Industrial, Utility, Defense, Agriculture, Mining		
610 Energy production plant, other	1	0.40%
Storage		
888 Fire station	35	14.00%
Outside or Special Property		
900 Outside or special property, other	1	0.40%
931 Open land or field	2	0.79%
946 Lake, river, stream	2	0.79%
961 Highway or divided highway	7	2.80%
962 Residential street, road or residential driveway	18	7.10%
Total:	253	
Detector - H2		
1 Detector alerted occupants	2	40.00%
2 Detector did not alert occupants	1	20.00%
U Unknown	2	40.00%
Total:	5	
From NFIRS - 2		
Area of Fire Origin - D1		
Means of Egress		
00 Other	1	13.00%
03 Interior stairway or ramp	1	13.00%
Storage Areas		
46 Chute/container - trash, rubbish, waste	1	13.00%
Transportation, Vehicle Areas		
80 Vehicle area, other	1	13.00%
83 Engine area, running gear, wheel area	1	13.00%
84 Fuel tank, fuel line	1	13.00%
Other Area of Origin		
90 Outside area, other	1	13.00%
95 Wildland, woods	1	13.00%
Total:	8	

Field	Number	% of Total
From NFIRS - 2		
HeatSource - D2		
Heat source: other		
00 Heat source: other	1	13.00%
Operating Equipment		
10 Heat from powered equipment, other	1	13.00%
Other Open Flame or Smoking Materials		
68 Backfire from internal combustion engine	2	25.00%
Undetermined		
UU Undetermined	4	50.00%
Total:	8	
Item First Ignited - D3		
Liquids, Piping, Filters		
62 Flammable liquid/gas - in/from engine or burner	2	25.00%
Organic Materials		
70 Organic materials, other	1	13.00%
General Materials		
88 Pyrotechnics, explosives	1	13.00%
Undetermined		
UU Undetermined	4	50.00%
Total:	8	
Type of Material First Ignited - D4		
Flammable Gas		
10 Flammable gas, other	2	33.00%
Flammable, Combustible Liquid		
23 Gasoline	1	17.00%
Natural Product		
50 Natural product, other	1	17.00%
Undetermined		
UU Undetermined	2	33.00%
Total:	6	
Cause of Ignition - E1		
2 Unintentional	5	63.00%
5 Cause under investigation	1	13.00%
U Cause undetermined after investigation	2	25.00%
Total:	8	
Equipment Involved in Ignition - F1		
Shop Tools & Industrial Equipment		
375 Internal combustion engine (non-vehicular)	1	14.00%
Garden Tools & Agricultural Equipment		
524 Lawn mower	1	14.00%
None		
NNN None	4	57.00%
Undetermined		
UUU Undetermined	1	14.00%
Total:	7	

Field Number, % of Total

From NFIRS - 2

Mobile Property Type - H2

Passenger Road Vehicles

13 Off-road recreational vehicle	2	100.00%
Total:	2	

From NFIRS - 3

Item Contributing Most to Flame Spread - K1

Structural Component, Finish

16 Interior ceiling covering or finish	1	100.00%
Total:	1	

Type of Material Contributing Most to Flame Spread - K2

Wood or Paper - Processed

65 Fiberboard, particleboard, and hardboard	1	100.00%
Total:	1	

Presence of Detectors - L1

U Undetermined	2	100.00%
Total:	2	

Presence of Automatic Extinguishment System - M1

N None Present	2	100.00%
Total:	2	

LYON TOWNSHIP FIRE DEPARTMENT, HIGGINS LAKE, MI 48627-0048

Tabulation of Runs by Hour and Day

01/01/2017 through 12/31/2017

Printed: 03/15/2018

TIME	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total
0000-0059	2	0	1	0	1	0	3	7
0100-0159	1	0	0	0	1	0	2	4
0200-0259	0	0	3	0	0	1	1	5
0300-0359	0	1	0	0	1	0	1	3
0400-0459	0	1	0	0	1	0	0	2
0500-0559	0	0	0	1	0	1	1	3
0600-0659	1	0	0	1	2	3	0	7
0700-0759	4	0	2	0	4	2	1	13
0800-0859	2	1	2	1	0	3	2	11
0900-0959	3	2	4	3	2	1	2	17
1000-1059	1	1	0	2	1	2	3	10
1100-1159	3	1	3	3	5	5	1	21
1200-1259	0	2	2	1	3	1	1	10
1300-1359	0	3	3	1	2	5	5	19
1400-1459	1	0	5	4	6	2	1	19
1500-1559	6	1	1	2	2	0	2	14
1600-1659	2	0	1	2	2	3	2	12
1700-1759	3	4	3	2	1	1	2	16
1800-1859	2	0	1	2	1	2	0	8
1900-1959	4	1	3	2	0	2	1	13
2000-2059	0	3	1	1	3	2	4	14
2100-2159	4	2	2	0	2	2	2	14
2200-2259	1	0	0	1	0	2	3	7
2300-2359	2	1	0	1	0	1	0	5
Totals:	42	24	37	30	40	41	40	254

Does not include exposures.