

ANNUAL REPORT 2018

LYON TOWNSHIP FIRE & RESCUE



It is my pleasure to present to the Lyon Township Board the annual report of the Lyon Township Fire & EMS Department.

Within this report you will find many interesting facts, data and response statistics.

The department prides itself with providing safe, efficient and professional services to any and all that may require them.

Our most important goal is and always will be Life safety, of your firefighters and the people that we serve.

2018 was a great year for your department we had no injuries department wide and no accidents. We provide training to all departments in our area at our station to improve the state of the fire service overall. This training includes new fire attack tactics, Officer training, incident prioritization and risk analysis.

We as a department see the need to be pro-active in our service and to embrace new ideas and technologies to make us even more safe and efficient.

Working with the state fire marshal we have implemented computer-based training to augment or practical training.

Committees are formed to work on several areas of department needs including Training, SOP/policies, public education, equipment and pre-incident planning.

Looking ahead to 2019 we see the challenges facing the fire service, we have a dire need of recruitment and retention as the entire fire service is feeling the effects of low personnel counts, providing an all hazard department requires more personnel to safely and effectively provide services.

After reviewing this report if you have any questions please feel free to contact me.

Thank you for your support

A handwritten signature in black ink, reading "William R. Cleaves III" with a stylized flourish at the end.

William R Cleaves III

Fire Chief

Training 2018 break down of man hours

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

Training/Meetings Topics Summary

01/01/2018 through 12/31/2018

Printed: 02/06/2019

Topic	No. Attending	Topic Hrs:Min	Credit Hrs:Min
BUILDING CONSTRUCTION	13	2:00	26:00
BUILDING MAINTANANCE	23	4:30	52:00
BUSINESS MEETING	126	22:30	284:30
EMS Training	10	2:00	20:00
EQUIPMENT MAINTENANCE	31	7:00	54:30
EQUIPMENT TRAINING (NEW)	11	2:00	22:00
Fire Behavior	10	1:30	15:00
Fire Hose	0	0:00	0:00
FIRE PREVENTION	6	2:00	12:00
Fire Supression Training	28	8:30	66:00
FORCIBLE ENTRY	8	2:00	16:00
GAS & ELECTRICAL SAFETY TRAG	12	2:00	24:00
Hazmat Training	11	3:00	33:00
I.C.S. UP DATE	13	2:00	26:00
MED CONTROL UPDATE	42	9:30	99:30
MEDICAL LECTURE	33	6:00	66:00
MEDICAL PRACTICAL	22	3:00	34:00
PPE AND SCBA	11	2:30	27:30
PRE-PLAN	11	3:00	33:00
PRSO MEDICAL	12	2:30	30:00
PUMP OPERATIONS	12	2:30	30:00
Rescue and Extrication	0	0:00	0:00
RESPONCE AND SIZE UP	11	2:00	22:00
ROAD MAPPING	0	0:00	0:00
ROPES AND KNOTS	8	2:00	16:00
SALVAGE AND OVERHAUL	12	2:00	24:00
SCBA	22	4:30	51:00
SEARCH AND RESCUE	0	0:00	0:00
TOOLS & EQUIP.	11	2:00	22:00
VEHICLE EXTRICATION	0	0:00	0:00
VENTILATIOIN	9	2:15	20:15
Water Supply	12	2:00	24:00
WILD LAND FIRE UP DATE	11	2:30	27:30
WORK DETAIL	11	2:00	22:00
Totals:	552	111:15	1199:45

Total number of topics is 34

Runs 2018
Hour and Day

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

Tabulation of Runs by Hour and Day

01/01/2018 through 12/31/2018

Printed: 02/06/2019

TIME	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total
0000-0059	1	2	0	0	0	3	1	7
0100-0159	0	1	1	1	1	1	1	6
0200-0259	0	1	0	1	1	0	0	3
0300-0359	1	0	1	3	0	1	1	7
0400-0459	0	0	2	2	0	2	1	7
0500-0559	0	1	1	0	0	0	1	3
0600-0659	2	0	0	0	1	0	1	4
0700-0759	1	1	0	0	0	1	0	3
0800-0859	0	0	2	0	0	2	0	4
0900-0959	0	1	3	1	1	4	1	11
1000-1059	0	2	4	2	1	4	1	14
1100-1159	1	3	4	2	4	1	0	15
1200-1259	0	3	1	1	0	4	0	9
1300-1359	0	4	1	3	1	2	1	12
1400-1459	0	1	4	3	2	0	3	13
1500-1559	1	3	2	1	2	2	4	15
1600-1659	1	2	2	0	3	0	0	8
1700-1759	4	1	0	1	0	1	5	12
1800-1859	2	4	1	3	1	5	6	22
1900-1959	0	1	0	0	4	3	4	12
2000-2059	0	1	7	1	2	1	0	12
2100-2159	0	1	4	4	0	1	2	12
2200-2259	0	3	4	2	2	3	2	16
2300-2359	0	1	1	0	0	0	1	3
Totals:	14	37	45	31	26	41	36	230

Does not include exposures.

Basic Fire Data Report for 2018

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

Basic/Fire Data Standard Report
For the Year of 2018

Printed: 02/06/2019

Field	Number	% of Total
From NFIRS - 1		
Incident Type - C1		
Fire		
<i>Structure Fire</i>		
111 Building fire	3	1.30%
113 Cooking fire, confined to container	1	0.43%
114 Chimney or flue fire, confined to chimney or flue	1	0.43%
<i>Mobile property (vehicle) fire</i>		
130 Mobile property (vehicle) fire, other	1	0.43%
<i>Natural vegetation fire</i>		
141 Forest, woods or wildland fire	1	0.43%
<i>Outside rubbish fire</i>		
154 Dumpster or other outside trash receptacle fire	1	0.43%
Rescue & Emergency Medical Service Incident		
<i>Rescue, emergency medical call (EMS), other</i>		
300 Rescue, EMS incident, other	6	2.60%
<i>Medical assist</i>		
311 Medical assist, assist EMS crew	1	0.43%
<i>Emergency medical service (EMS) Incident</i>		
320 Emergency medical service, other	3	1.30%
321 EMS call, excluding vehicle accident with injury	128	56.00%
322 Motor vehicle accident with injuries	7	3.00%
324 Motor vehicle accident with no injuries	5	2.20%
<i>Search for lost person</i>		
342 Search for person in water	1	0.43%
<i>Electrical rescue</i>		
370 Electrical rescue, other	1	0.43%
<i>Rescue or EMS standby</i>		
381 Rescue or EMS standby	35	15.00%
Hazardous Condition (No fire)		
<i>Combustible/flammable spills & leaks</i>		
412 Gas leak (natural gas or LPG)	2	0.87%
<i>Chemical release, reaction, or toxic condition</i>		
424 Carbon monoxide incident	2	0.87%
<i>Electrical wiring/equipment problem</i>		
440 Electrical wiring/equipment problem, other	2	0.87%
444 Power line down	11	4.80%
445 Arcing, shorted electrical equipment	1	0.43%
Service Call		
<i>Service call, other</i>		
500 Service Call, other	1	0.43%
<i>Cover assignment, standby at fire station, move-up</i>		
571 Cover assignment, standby, moveup	4	1.70%
Good Intent Call		
<i>Good intent call, other</i>		
600 Good intent call, other	1	0.43%

Field	Number	% of Total
from NFIRS - 1		
Good Intent Call		
<i>Wrong location, no emergency found</i>		
621 Wrong location	2	0.87%
<i>Steam, other gas mistaken for smoke</i>		
651 Smoke scare, odor of smoke	3	1.30%
<i>EMS call where party has been transported</i>		
661 EMS call, party transported by non-fire agency	2	0.87%
False Alarm & False Call		
<i>System or detector malfunction</i>		
733 Smoke detector activation due to malfunction	1	0.43%
735 Alarm system sounded due to malfunction	1	0.43%
<i>Unintentional system/detector operation (no fire)</i>		
740 Unintentional transmission of alarm, other	1	0.43%
745 Alarm system activation, no fire - unintentional	1	0.43%
Total:	230	

**Adopting and following
16 Firefighter Life Safety Initiatives**



16 FIREFIGHTER LIFE SAFETY INITIATIVES

THE NATIONAL FALLEN FIREFIGHTERS FOUNDATION'S EVERYONE GOES HOME® PROGRAM

1. Define and advocate the need for a cultural change within the fire service relating to safety; incorporating leadership, management, supervision, accountability and personal responsibility.
2. Enhance the personal and organizational accountability for health and safety throughout the fire service.
3. Focus greater attention on the integration of risk management with incident management at all levels, including strategic, tactical, and planning responsibilities.
4. All firefighters must be empowered to stop unsafe practices.
5. Develop and implement national standards for training, qualifications, and certification (including regular recertification) that are equally applicable to all firefighters based on the duties they are expected to perform.
6. Develop and implement national medical and physical fitness standards that are equally applicable to all firefighters, based on the duties they are expected to perform.
7. Create a national research agenda and data collection system that relates to the initiatives.
8. Utilize available technology wherever it can produce higher levels of health and safety.
9. Thoroughly investigate all firefighter fatalities, injuries, and near misses.
10. Grant programs should support the implementation of safe practices and/or mandate safe practices as an eligibility requirement.
11. National standards for emergency response policies and procedures should be developed and championed.
12. National protocols for response to violent incidents should be developed and championed.
13. Firefighters and their families must have access to counseling and psychological support.
14. Public education must receive more resources and be championed as a critical fire and life safety program.
15. Advocacy must be strengthened for the enforcement of codes and the installation of home fire sprinklers.
16. Safety must be a primary consideration in the design of apparatus and equipment.



The Everyone Goes Home® program is made possible through the National Fallen Firefighters Foundation with funding provided by the Department of Homeland Security, Assistance to Firefighters Grant and the generosity of Fireman's Fund Insurance Company.



LEARN MORE: www.everyonegoeshome.com

**Applying Firefighter Cancer Alliance
Actions to reduce exposure to Carcinogens**



Firefighter Cancer Alliance



These are some simple actions that all Volunteer Fire Departments can take to reduce exposures to carcinogens (a substance that is capable of causing cancer), thereby decreasing the chances of developing cancer in the future.

1) Reduce the exposure to smoke

- ❖ Wear SCBA during incidents and overhaul
- ❖ Whenever possible work behind the nozzle spray when extinguishing fires
- ❖ Work to remove exhaust from engines in the fire hall
- ❖ Be aware of exhaust from apparatuses at the fire scene
- ❖ Do not store turnout gear in vehicles or sleeping areas

2) Reduce the exposure to your skin

- ❖ Perform gross decontamination at the scene
- ❖ Shower ASAP
- ❖ Use a wet wipe to remove soot from the skin ASAP at the fire scene
- ❖ Ensure that your turnout gear is properly laundered after exposures

3) Healthy Lifestyle Changes

- ❖ Stop using tobacco products
- ❖ Eat plenty of fruits and vegetables
- ❖ Limit processed meats
- ❖ Maintain a healthy weight and be physically active
- ❖ Use sunscreen and cover areas exposed to the sun
- ❖ Get regular medical care

Sources:

<http://www.mayoclinic.org/healthy-lifestyle/adult-health/in-depth/cancer-prevention/art-20044816?pg=2>
https://iab.gov/Uploads/commonwealth_fire_report_phase_one_-_august_final.pdf
<https://www.cdc.gov/niosh/pgms/worknotify/pdfs/ff-cancer-factsheet-final.pdf>

Volunteer Firefighter Alliance – 800 S. Gay St, Suite 700, Knoxville, TN 37929 - Phone: 1(866)280-0441

www.FirefighterCancerAlliance.org

Looking ahead to 2019

2019 brings with it many challenges for your fire department.

We are ready to meet them and excel in the fire service; we are already the go to department for advanced training, because of our facility and pro-active approach in providing advanced training that our risk carrier wants for fire service officers.

Having a state fire marshal that is totally involved in new technology, and safety for all firefighters, he passes this on to the departments in the state by webinars and is completely accessible at all times.

I have had the pleasure of meeting him several times and he is more than passionate about firefighter safety.

We have adopted his program of continuing educational credit for firefighters this is unpopular because departments want to do things "THE WAY WE ALWAYS HAVE", these fire chiefs need to leave the fire service; we must be open to new technologies, new tactics and we MUST be SAFE for our personnel they are THE fire service. We have to allow them to think outside the box, we can't do thing the way we always have.

We will continue to improve our services, through training, trying and embracing tested new tactics.

Again thank you for your continued support

Your Fire Department

Challenges for the Near future

Sustaining EMS; Obtaining new EMT's / MFR's

Recruitment; obtaining new members to add to the roster and replace attrition.

Increasing public safety education.

Working with Building Inspector and the board to adopt a fire code.