

Lyon Township Fire Department



**2015
ANNUAL REPORT**



TABLE OF CONTENTS

Message from the Fire Chief.....	1
Eastern Michigan University School of Fire Staff and Command.....	2
Blue Card Training.....	2
Grants and Awards.....	2
9/11 Ceremony at Walnut Creek Country Club and Comerica Park.....	3
Lyon Township Fire Department “Organization of the Year 2015”	3
“Thank You” Residents of Lyon Township.....	4
Operations Deputy Chief Doug Berry.....	5
Administrative Assistant Mary Mosesso.....	6
Apparatus Lieutenant David Cue.....	7
Fire Prevention Fire Marshal Donald Collick	8
Inspection Permits and Fees.....	8-9
Code Enforcement Inspections.....	10
Construction Site Plan Review.....	10
Public Education & Community Service.....	11
EMS Sergeant Nate Sturos - EMS Coordinator.....	12
Training Sergeant Bob Simmons.....	13
Building Maintenance Annual Report Sergeant James Huffman.....	14
Oakland County Special Teams Sergeant Reginald Madeline.....	15
The Oakland County Incident Management Team.....	16
The Oakland County Grant Allocation Committee (GAC).....	17
Mutual Aid.....	17



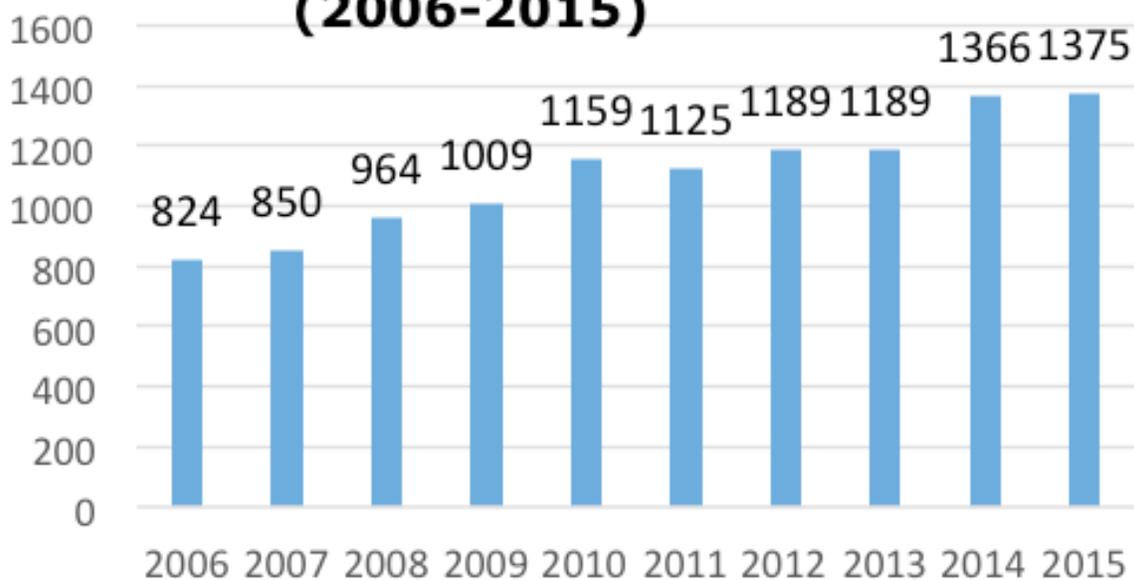
A Message from Fire Chief Ken Van Sparrentak



2015 is a year that the citizens of Lyon Township can be proud of the service provided by their fire department.

The men and women of the Lyon Township Fire Department (LTFD) remain professional, compassionate and dedicated as they continue to meet the demands of community growth that includes a 40% increase in call volume over the last 10 years. We continue to maintain our Class 5 ISO rating that helps reduce fire insurance premiums for Lyon Township residents and businesses.

Total Calls-LTFD (2006-2015)



Our People

The firefighters of LTFD are our number one resource and their commitment to the Lyon Township community is unmatched.

In 2015, LTFD hired the following seven firefighters:

- Steve Brummer • Jon Miller • Jon Ruzala • Kyle Kurtz
- John Fragale • Russell Achatz • Robert Wilhelm

Eastern Michigan University School of Fire Staff and Command

Fire Marshal Donald Collick and Lieutenant David Cue became the first members in LTFD history to complete the Eastern Michigan University School of Fire Staff and Command. The School of Fire Staff and Command program is a comprehensive 350-hour program that targets those fire officers destined for senior leadership within their departments. The program takes the fire officers beyond traditional operational methods and exposes them to conceptual thinking and problem solving.



Blue Card Training

Deputy Chief Doug Berry, Sergeant Simmons, and Sergeant Huffman completed the nationally recognized Blue Card certification through 50 hours of training. The "Blue Card" training and certification program produces Incident Commanders who make better decisions that will potentially eliminate the lethal and/or costly mistakes that cause injury, death, and unnecessary fire losses in the local response area.

Grants and Awards

LTFD was awarded \$36,146 from FEMA for new turnout gear to replace existing gear that no longer conformed to NFPA standards. This allowed the entire department to receive a new set of personal protective gear.

9/11 Ceremony at Walnut Creek Country Club and Comerica Park

The membership of the Walnut Creek Country Club (WCCC) graciously invited the LTFD to breakfast on 9/11 to launch their annual golf event. WCCC members raised a generous donation of \$7,900 to the Great Lakes Burn Camp.



Members of the Lyon Township Fire Department were invited as special guests of the Detroit Tigers with other area first responders. The event was to thank first responders and our military for their sacrifice.



Lyon Township Fire Department “Organization of the Year 2015”



LTFD along with other area first responder agencies were selected as the 2015 Organization of the Year by the South Lyon Chamber of Commerce *in recognition for outstanding contributions to your community and faithful service to the ideals of the South Lyon Area Chamber of Commerce.*



“Thank You” Residents of Lyon Township

2015 was our first year of operation under a new 10-year millage. This provides LTFD with a budget that helps us meet the growth of our community by providing operational funding and improvements to our service delivery. Our improved budget allowed us to make numerous apparatus repairs, provide improved training, and purchase Rescue 1.

Our mission remains maintaining the public trust and preventing harm in our community. Every firefighter is committed to that goal and it is my honor to serve this fine community with the brave men and women of the LTFD.

Respectfully,



Ken Van Sparrentak-Fire Chief





Operations Deputy Chief Doug Berry



In 2015, a number of different initiatives were launched to improve operations.



Vehicle maintenance has been drastically improved and there is now a process for personnel to write up repair issues and turn the documentation in to the officer responsible for trucks. The officer has the ability to make arrangements for the repairs, and the entire process is documented and trackable. This greatly improves the reliability of getting repairs completed as well as tracking for ISO purposes.

Equipment maintenance is handled in a very similar manner. However, we have several people within the department that are able to make on site repairs. Again, this entire process is documented and tracked to ensure efficiency.

Operational Training. All personnel that work shift with the department receive training twice monthly, and daily during day shifts. Every week, there are different topics for training and drills. This greatly enhances the operational readiness.

Staffing. We have four persons working shift during the daytime hours of 7 a.m. to 5 p.m., and we have two on shift at night from 9 p.m. to 7 a.m. Our crews now carry radios at all times while on duty. The crews have a better understanding of what type of calls can be handled as well as what should be dispatched as an "All Call". This creates a better personnel and time management model to best utilize our personnel and equipment within the budget limitations. The turn-out of personnel for "All Calls" has improved significantly over the last year. We have sufficient personnel to handle the calls and staff the stations when a second call comes in, which frequently occurs.



Resource Management. Using a best practices all call model of resource management, we are better able to position and track firefighters and equipment. For example, based on the type of call received in a non-central location of the township, such as 8 Mile and Currie, the crews may send one truck and crew to handle the call with other responding units, while the second crew either stays at the stations or moves to a more central location to be ready in the event a second call comes in.



Administrative Assistant Mary Mosesso

Mary Mosesso joined the Lyon Township Fire Department as the Administrative Assistant in September 2015. Mary manages the payroll and personnel files along with performing routine clerical and administrative work in answering phones, receiving the public, providing customer assistance, data processing, and bookkeeping.





Apparatus Lieutenant David Cue



In 2015, the maintenance budget was mostly used for repairs on apparatus and preventative maintenance, such as oil changes, pump testing, and ladder testing. Almost all apparatus needed new tires. Lyon Township Fire Department also received a new basic life support ambulance. This allowed for the transformation of the pick-up truck rescue to a brush truck. The old brush truck has now become a utility truck used for plowing and carrying supplies. Future apparatus replacement includes a new ambulance for Station 2 and a new engine for Station 1.

Station 1 Apparatus:

Engine 1 – 1999 Pierce
Rescue 1 – 2015 Ford
Tanker 1 – 2002 US Tanker
Brush 1 – 2000 Ford
Utility 1 – 2001 Ford

Station 2 Apparatus:

Engine 2 – 2012 Spencer
Rescue 2 – 2008 Ford
Tanker 2 – 2001 US Tanker
Brush 2 – 2005 Ford

Administration Vehicles:

Chief 1 – 2014 Chevy Tahoe
Chief 2 – 2006 Ford Explorer
FM 1 – 2006 Chevy Colorado





Fire Prevention Fire Marshal Donald Collick



Fire prevention division consists of the following areas of responsibilities:

- Emergency response and preparedness
- Code enforcement inspections
- Construction site plan review
- Fire investigations
- Public education

Throughout the year firefighters visited all three elementary schools and seven daycare centers to provide fire prevention education. In April, Fire Marshal Collick attended South Lyon East High School's annual career day to promote the fire service and recruit for the explorer program. LTFD also participated in the annual Easter egg hunt, Memorial Day, and South Lyon East Homecoming and Pumpkinfest parades. This was in addition to attending multiple community events for a total of 33 community involvement activities.

Inspection Permits and Fees

In February 2014 we began to charge for plan reviews through the building department that were conducted in-house. For the year of 2015 we have collected \$2,550.00 in plan review fees.

During the warm weather the duty crews began to remove excess vegetation around fire hydrants throughout the Township. Many of them had so much growth the hydrant could not be seen from the road.

Burn permits are issued annually through the fire department. In the spring of 2014, permits became available on-line through the Township's website. In 2015, 297 permits were issued.



In June, The Lyon Township Fire Department was again the host site for Camp 911. This is a two-day camp sponsored by Huron Valley Ambulance and designed to expose children to public safety and education. During the second day the campers were taught fire safety and given a tour of the station and fire trucks. Each camper was given a free smoke alarm, obtained by a grant from Kidde.

We also revitalized our “Vial of Life” program. This program allows first responders to obtain vital information from a person in the event they are not able to communicate. A sticker is placed on the outside of the resident’s freezer alerting the responders that there is a pill bottle with medical and contact information inside. CVS Pharmacy donated the pill bottles and A&M Label donated the stickers.

In September, the Knox Company began offering online ordering of Knox products in lieu of having to obtain a signed authorization from the Fire Marshal. Seeing that this was a benefit, we enrolled in the program.

Contractors and building owners can now go on-line, request a Knox product, and once authorized, have it shipped to their business.

In October, the Lyon Township Firefighters Association hosts its annual Halloween Party at Fire Station 1. During that time Fire prevention materials are given out that were obtained from the National Fire Protection Agency (NFPA).



Code Enforcement Inspections

Fire Inspections are conducted year round on all businesses in the Township. Included are acceptance testing for fire alarm systems, fire sprinkler systems, special fire extinguishing systems, hydrant flow testing, liquor license inspections, and certificate of occupancy inspection. In 2015, 264 business inspections were conducted, along with 12 fire alarm/sprinkler/kitchen hood acceptance tests, 3 liquor licenses, 5 tent inspections, and 13 in-house plan reviews.

Enforcing existing fire code regulations and standards provides the citizens and visitors to the township a safer atmosphere in which to live, work, shop, and dine. Throughout the year the Fire Marshal conducts in-service building inspections to ensure that the detection and suppression systems are functioning properly, the means of egress are unimpeded, the electrical and heating systems do not have any visible deficiencies, and that there is no improper storage of hazardous materials. Code compliance inspections provide property owners and the firefighters with an acceptable level of assurance that a potentially hazardous condition can be identified prior to it becoming a life-threatening incident.



Construction Site Plan Review

The Fire Marshal provides information and responds to complaints regarding a variety of subjects such as emergency planning, hazardous materials storage, and fire and life safety hazards. He ensures that submitted plans for new construction and renovation comply with current Codes. He attends preconstruction meetings and advises developers of fire department concerns. Upon completion of the building, the Fire Marshal inspects the project to insure that final construction is in accordance with the code.



Public Education & Community Service

According to the National Fire Protection Association (NFPA), roughly 70 percent of home fire deaths in the Country result from fires in homes with no smoke alarms or no working smoke alarms. Smoke alarms, when properly installed, give an early audible warning needed to safely escape from fire. That's critical because 85% of all fire deaths occur in the home, and the majority occur at night when most people are sleeping.



Brian Holzheimer
Certified Fire Inspector



In 2015, Firefighter Holzheimer took the initiative to become NFPA certified and State of Michigan licensed as a Fire Inspector. This allows him to assist the Fire Marshal with safety inspections, plan reviews, and other fire prevention related tasks.



EMS

Sergeant Nate Sturos

EMS Coordinator



For the calendar year 2015 the LTFD responded to a total of 957 requests for emergency medical services. Of the 957 total EMS responses, LTFD transported 36 patients to area hospitals, with private EMS services transporting all other patients who were transported from the scene. In 2016, the LTFD expects the number of transports to increase.

EMS Continuing Education

LTFD offered 20.5 hours of EMS continuing Education through scheduled department training throughout 2015 covering all Categories for personnel re-licensure.



EMS Equipment

Goals for 2016 include the purchase of CPR manikins (8 adult and 8 infant) and an additional AED trainer, for department and public CPR classes that can and will be offered throughout the year.





Training Sergeant Bob Simmons



The LTFD continues to make training one of its top priorities throughout the year. The LTFD holds department-wide training twice monthly, and trains daily with the duty crews on shift. Training consists of ongoing education to meet our many State and Federal requirements, as well as new training to enhance the knowledge base of our members. The Department participated in, or conducted, over 4,000 man hours of training throughout the year. Total training hours for 2015 were 826. Some of the year's training highlights are below.

- **Live fire training:** All members of the fire department experience live fire training utilizing Wixom fire department's burn tower. A controlled fire is lit inside the burn tower for firefighters to experience the intense heat and zero visibility they will encounter in real life emergencies. They also practice navigating through tight passageways and advancing hose lines through doorways.
- **Ice Rescue training:** There are numerous ponds and lakes within the township, and every fire fighter is certified for Ice Rescue. Annually, we utilize the ponds at Mill River during the winter season to keep all firefighters proficient on ice rescues. During this training, holes are cut in the ice and a firefighter is placed in the water. Every firefighter will take a turn walking onto the ice to rescue the victim.
- **Vehicle Extrication:** with the growing population and having over six miles of I-96 within the township, the fire department responds to a large number of vehicle accidents every year. This year we brought in a company (S.T.A.R.T.) that specializes in training firefighters with extricating people trapped inside vehicles. We had five vehicles brought in from a local salvage yard for our firefighters to train with. These vehicles were placed on their side, roof, and at many different angles for any type of situation we may encounter.
- **Business Tours:** Our Fire Marshal will schedule tours for firefighters with different businesses throughout the year. This way, firefighters can gain a knowledge of the layout of the building and learn important information. This would include knowing where any flammable liquids would be stored inside and where hazardous materials are kept on the premises.

The Lyon Township Fire Department continues to make training one of its top priorities throughout the year. Training consists of ongoing education to meet our many State and Federal requirements, as well as new training to enhance the knowledge base of our members.



Building Maintenance Annual Report

Sergeant James Huffman



2015 Completed Stations Projects

- Fire Stations 1 and 2 have new electronic door entry systems allowing for the handling of remotely locking and unlocking all station entry doors, tracking all entries, as well as providing additional security at both fire stations.
- New security camera system indoors and out at both stations enhancing security of fire stations, departmental equipment, and personnel.
- Both stations have new dusk to dawn outdoor light controllers replacing the old time clock controllers.
- Station 1 has new LED bay lights, parking, and outdoor building lights.
- Station 2 has new outdoor LED lights.

Projects for 2016 and beyond

- Update and renovate the landscaping at both stations.
- Parking lot / apron repair, replacement and sealing at both stations.
- Apparatus Bay floor refinishing at both stations.
- Station 2 needs outdoor sign rebuilt electrically or both station signs need to be replaced with digital marquees.
- Station 2 needs LED apparatus, bay light conversions.



Oakland County Special Teams

Sergeant Reginald Madeline



Lyon Township Fire Department is a member of Oakland County MABAS 3201 which supports the Oakland County North Hazardous Materials Response Team. Lyon Township Fire Department has two current members serving on the 38-member team in the capacity of Senior Team Leader and Hazardous Material Technician.

The Oakland County North Hazardous Materials Response Team - MABAS 3201 - is part of the MABAS statewide response system and the Michigan State Police Regional Response Team (RRT) Network. The team may be called upon to respond anywhere in the State of Michigan.



The team has a primary and back-up duty officer on call 24/7. Hazmat team leaders rotate response duty on a weekly basis. Each duty officer is assigned a response vehicle for the week. Duty officers are available to provide technical advice by phone to incident commanders, or respond to the scene to conduct an assessment. During hazmat team activation, the hazmat duty officer will respond to the scene and assume the ICS role of Hazmat Group Supervisor or Hazmat Branch Director. To request the MABAS 3201 Hazmat Duty Officer, contact Oakland County Sheriff's Office Dispatch Center at 248-858-4911. The target time for the duty officer to contact an IC is 15 minutes.

The team operates a response fleet of seven vehicles and two trailers. Each unit is stored by a participating MABAS 3201 fire department. Hazmat team members provide monthly maintenance on the vehicles and equipment.



The Hazmat team also maintains a cache of over 2 million dollars of specialized Hazmat and CBRN equipment. A large portion of the equipment was purchased using Homeland Security grant funds provided by the State of Michigan and Oakland County.

During 2015 the Oakland County North Hazardous Materials Team responded to the following:

- 14 duty officer calls throughout the county.
- 4 Level 1 Hazardous Material Scenes (Oakland Township, Auburn Hills, Commerce Twp. and two in Troy).
- 1 Level 2 Hazardous Material Scene in Springfield Township.
- 48 exercises (trainings, truck checks and stand by at the Woodward Dream Cruise).
- 12 events (work details, meeting).



The Oakland County Incident Management Team

Chief Van Sparrentak continues his 10th year as Team Leader for the Oakland County Incident Management Team (OCIMT). Representatives from fire departments, law enforcement, public health, public works, and emergency management have responded and supported first responders on incidents that overwhelm local communities such as the Dundee tornado, the furniture store explosion in Westland, the Rochester Hills tornado, the Grosse Pointe Woods trench collapse, and numerous other incidents and planned events.



The Oakland County Grant Allocation Committee (GAC)

Chief Van Sparrentak continues as an original member of the Grant Allocation Committee (GAC) representing the fire service. GAC provides Homeland Security grant funding for the county and Southeast Michigan.



Mutual Aid

Listing of Mutual Aid Responses by Mutual Aid Department
Report for: **Lyon Township Fire**

Mutual Aid Received

Novi Fire	1
South Lyon Fire	8
Wixom Fire	1

Subtotal Mutual Aid Type: 10

Automatic Aid Received

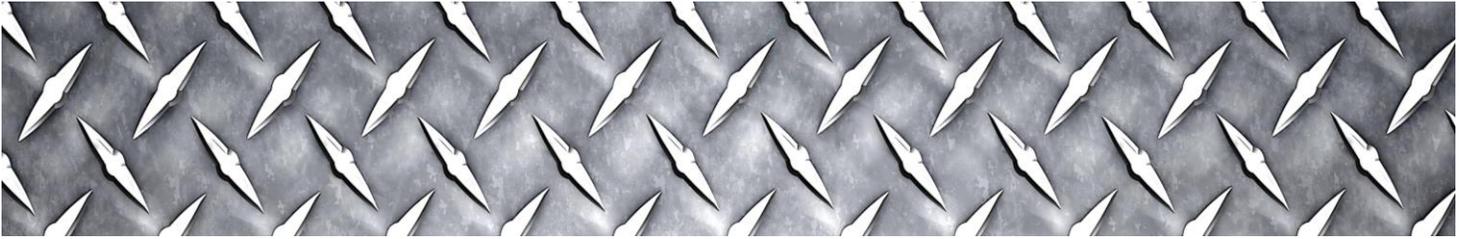
Salem Fire	1
South Lyon Fire	2
Wixom Fire	2

Subtotal Mutual Aid Type: 5

Mutual Aid Given

Brighton Area	1
Green Oak	2
Milford Fire	5
Novi Fire	3
Salem Fire	9
South Lyon Fire	10
Wixom Fire	8

Subtotal Mutual Aid Type: 38



STATION 1
58800 GRAND RIVER AVE.



STATION 2
56675 TEN MILE RD.

