

# MAYFIELD HEIGHTS FIRE DEPARTMENT



## 2015 ANNUAL REPORT

SUBMITTED BY:

FIRE CHIEF BRUCE E. ELLIOTT

## Mayfield Heights Fire Department – 2015 Annual Report

### TABLE OF CONTENTS

Mission Statement	3
A Message from the Fire Chief	4
Fire Department History	5-6
Department Programs	7
Major Milestones	8-10
Organizational Chart	11
Current Fire Department Roster	12
Shift Information, Promotions, New Hires	13
General Statistics	14-19
EMS Billing	20
Computer System	21
Fire Prevention Report	22-25
Building and Grounds/Hazmat/WMD	26-27
Primary Vehicle Fleet	28
Vehicle Maintenance	29-30
Emergency Medical Service (EMS)	31-33
Fire Department Fire Training	34-35
Car Seats, Gear/Uniforms	36
Fire Department Pre-plans	37
Fire Department Communications	38
Smoke Detector Program	39
Fire Hose, Fire Hydrants, Small Equipment	40-42
SCBA/Breathing Air System	43
Tri-Community CERT (Community Emergency Response Team)	44-45
Hillcrest Technical Rescue Team (HTRT)	46-47
Hillcrest Fire Investigation Unit (FIU)	48
Chagrin/Southeast Haz-Mat Team	49-52
Fire Department Photos	53-54

# Mayfield Heights Fire Department – 2015 Annual Report

## MISSION STATEMENT

We are committed to providing fire suppression, medical services, and other emergency and non-emergency activities to the residents of the City of Mayfield Heights. We accomplish this mission through training, education, and dedication to the protection of our membership and the community.

## VISION STATEMENT

The Mayfield Heights Fire Department will set the standard of excellence by honoring tradition, professionalism, and customer service; we will also create leaders through training, education, and strong ethical values.

## CORE VALUES

### **Service:**

We protect and serve our entire community with a commitment to performance excellence.

### **Professionalism:**

We are dedicated to serving at the highest level of excellence, in a manner showing commitment and respect to our mission. A commitment to excellence, possessing a positive attitude, and having pride in your work while conforming to a high standard of conduct.

### **Honor/Pride:**

The enormous commitment necessary to perform the Department's task requires excellence of character. We inspire each other through pride in our department, which is a belief that every action reflects on all the members of the department, both past and present.

We take pride in ourselves as individuals, our members as a team, our department as a family, and our citizens as a community.

### **Integrity:**

We are committed to honesty and ethical behavior and we will make decisions based on moral standards regardless of personal belief or benefit. We will work hard every day to maintain the highest professional standards and to earn public trust through our actions.

### **Family:**

We are a fire department family. We are committed and accountable to each other because our lives depend on it. We value each member in our organization. We respect those who came before us and will strive to make the organization better for those who follow.

### **Courage:**

Courage is the value that gives us the moral and mental strength to do what is right, even in the face of personal or professional adversity.

## Mayfield Heights Fire Department – 2015 Annual Report

### A MESSAGE FROM THE FIRE CHIEF:



In an effort to provide you with a variety of information about the actions of the Mayfield Heights Fire Department in 2015, this annual report has been created. In keeping with our mission, vision, and core values, Mayfield Heights Firefighters consistently demonstrate a personal commitment to protect the quality of life and property in Mayfield Heights. As we move into 2016, we will continue to provide a high level of service to the community in the most efficient manner, with the safety of our residents and firefighters as our highest priorities. Truly, it is the members of the department who deserve to be recognized for their outstanding contributions to our community.

Our department continues to accept the challenges presented by the economy, demands for service, and ever changing technology. We constantly evaluate and, when needed, make necessary changes to our operational platform to ensure it provides efficient and effective services to the community.

Mayfield Heights Firefighters responded to 3481 incidents in 2015. Of those 3481 total incidents, 2854 were Emergency Medical Service (EMS) related, and 627 were fire related. These numbers are important to us, the citizens of Mayfield Heights, as each number represents when someone within our community experienced an unexpected, and many times unfortunate, event that led them to call for assistance. We understand the loss and pain that is often associated with an incident that requires our service and it is my hope that we have provided not just the professional response necessary to mitigate these emergencies, but also the appropriate compassion to support the individuals and families involved in these situations.

Beyond answering emergency calls, we prepare ourselves for the challenges we face through a comprehensive training program that meets or exceeds national standards established for both fire and EMS service. Countless hours are also spent in fire prevention and code enforcement inspections, as well as public fire safety education activities.

We are very grateful for the continued support from our community, city administration, other city departments, and elected officials; without your support, meeting our mission would not be possible.

Respectfully submitted,

A handwritten signature in black ink that reads "Bruce Elliott". The signature is written in a cursive, flowing style.

Bruce Elliott  
Chief of Fire

## Mayfield Heights Fire Department – 2015 Annual Report

### FIRE DEPARTMENT HISTORY

The origin of the Mayfield Heights Fire Department can be traced back to 1927 when Village Marshal Nick Wright captured a bootlegger who was transporting moonshine in a 1920 Studebaker truck. Marshal Wright confiscated the truck and had it converted into the village's first fire truck.

Marshal Wright, who also served as Fire Chief, had at his disposal a group of volunteer firefighters, some of whom also served as police officers. It was during this period that the village began installing underground water mains and fire hydrants along main routes and thoroughfares. Marshal/Chief Wright served 1927 through 1933, when Bert Johnson defeated him in an election. In 1941, the department purchased its first real fire truck, a Chevrolet that was equipped with a 300 gallon water tank, a 500 gallon-per-minute pump, and 600 feet of fire hose. In 1946, Marshal/Chief Johnson resigned and his assistant, Deputy Marshal Clarence "Jack" Smith, became the new Police and Fire Chief.

The postwar era saw a building and population boom. During this time, the Fire Department purchased a new American LaFrance Quad fire truck. It was housed in their brand-new fire station, which is the basis for the present facility.

In 1952, Bernard Pirk became the city's first full-time Fire Chief. Being appointed Chief seemed to be a natural progression for Pirk, for he had been a volunteer firefighter since 1935. Along with Chief Pirk, the city also appointed James Kearns as another full-time firefighter. The city maintained five full-time firefighters and continued to maintain a sizable volunteer staff. A new era came to the department with the 1953 hiring's: at least one full-time firefighter was on duty 24 hours a day, seven days a week.

In 1960, the fire department traded its 1941 fire truck for a 750 gallon-per-minute pump, which was mounted to the tanker, making it an invaluable piece of firefighting apparatus. More men were hired and the city now had eight full-time firefighters. A new American LaFrance pumper was purchased. Along with the two fire engines, the fire department maintained a small fleet of support vehicles that would bring them into the 1970's. Because of new construction such as Hillcrest Hospital and Gates Mills Towers, the city, in 1970, purchased a Pierce Snorkel Truck. With its 85-foot articulating boom and pump capabilities, the Snorkel was a welcomed addition to fight fires in high-rise apartments and strip shopping centers. This truck was refurbished in 1985 and was used until the purchase of a 2000 E-One 100-foot ladder truck.

A marked increase in emergency medical calls caused the department to direct its efforts into starting Emergency Medical Service (EMS). Glenn Munthe, who was promoted to Chief in 1971, saw a need for men to be trained in more than basic first-aid. In 1973, three firefighters became the city's first Emergency Medical Technicians (EMT), and most of the remaining firefighters soon became EMT's.

## Mayfield Heights Fire Department – 2015 Annual Report

A tremendous amount of business growth meant these highly occupied buildings needed to be safe. In 1976, the Fire Prevention Bureau was established with Howard Fibich appointed as the city's Fire Marshal. He and his team of fire inspectors checked each business once a year to ensure that they were fire safe. They also enforced the fire codes for new and existing construction.

In 1980, Wayne Jacobson was promoted to Chief, and the department now had 24 full-time firefighters. Emergency medicine continued to evolve and there was a growing need for paramedics. In 1982, firefighters Marano, Patty, and Forte became the city's first paramedics. This allowed rescue squad personnel to administer the advanced life support needed that has saved many lives. At the present time, 30 of the department's 32 firefighters are certified paramedics.

The fire station, built in 1950, was expanded in 1986, giving the crews triple the space. The station housed two fire engines, a Snorkel aerial apparatus, two rescue squads and two utility vehicles. After the station's completion, Chief Jacobson retired.

In 1987, Captain Michael Forte was promoted to Chief. Chief Forte continued to keep the department moving forward by increasing staffing to meet the needs of the community and overseeing several major purchases and projects including new pumpers, a new ladder truck, many rescue squads, and a new City Hall complex which was opened in late 2002. This new complex included a new fire station that housed two fire engines, a ladder truck, three rescue squads, a regional technical rescue vehicle, and two utility vehicles.

On September 11, 2011, Chief Forte retired, making him the longest serving Fire Chief for the City of Mayfield Heights. Captain Bruce Elliott was promoted to Chief and continues to keep the department moving forward by implementing a smoke detector program, a residential lock box program, community CPR classes, and public education programs.

From the use of the bootlegger's truck in 1927, to the state-of-the-art equipment used today, through different personalities and events that helped shape it, the Mayfield Heights Fire Department has truly evolved into a modern suburban fire department.

# Mayfield Heights Fire Department – 2015 Annual Report

## Program Updates:

- **RESIDENTIAL LOCK BOX PROGRAM:** This safe-like box assists firefighters/paramedics with quick and easy access into a structure, reducing entry time and the risk of potential damage.

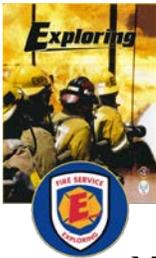


- THIS PROGRAM CONTINUES TO BE SUCCESSFUL. Fire Crews installed 30 lock boxes to residential homes in 2015.

- **SMOKE DETECTOR PROGRAM:** This program provides Mayfield Heights homeowners with photoelectric smoke detectors, including installation, free of charge. Funding for this program is made possible through federal grants and donations.

- THIS PROGRAM CONTINUES TO GROW EACH MONTH. IN 2015, FIRE CREWS INSTALLED 346 DETECTORS IN 127 HOMES.

- **EXPLORER POST PROGRAM:** Mayfield Heights joined forces with the Lyndhurst and South Euclid Fire Departments to establish an “Explorer Post”. This post is comprised of young men and women, ages 14-20, who have an interest in the fire service. After training requirements are met, the Explorers are able to participate in ride-along time with the departments, assist on fire scenes, etc.



- ENROLLMENT AND INTEREST HAVE INCREASED SINCE MAYFIELD HEIGHTS JOINED THIS POST. Our Fire Explorer Post continues to be active, and assisted with the parade and Mayfield Heights’ Community Unity Days activities.

- **USE OF SOCIAL MEDIA:** The Fire Department regularly uses social media (Facebook and Twitter) to convey important information and “safety tips” to anyone following our pages.



- THE NUMBER OF PEOPLE FOLLOWING THE FIRE DEPARTMENT PAGE HAS INCREASED DRASTICLY SINCE LAST YEAR. IT IS OBVIOUS THAT PEOPLE USE SOCIAL MEDIA TO OBTAIN INFORMATION QUICKLY. WE CONTINUE TO USE THIS MEDIUM TO CONVEY IMPORTANT AND GENERAL SAFETY INFORMATION TO THE PEOPLE FOLLOWING US.

The Mayfield Heights Fire Department will continue to meet the needs of our diverse community. To that end, we challenge our employees to deliver their best every day and to continually strive to better assist our customers. I look forward to serving the residents and visitors of Mayfield Heights as we seek solutions to meet the challenges of the future together.

## Mayfield Heights Fire Department – 2015 Annual Report

### MAJOR MILESTONES IN THE PAST YEAR

#### **January 1, 2015**

The Mayfield Heights Fire Department ran a total of 3481 emergencies in 2015.

#### **January 3, 2015**

Fire crews responded to a working garage fire on Summit.

#### **January 10, 2015**

Fire crews responded to a couch fire on Mayfield Ridge.

#### **February 5, 2015**

Fire crews responded to a kitchen fire at 6509 Marsol Road.

#### **March 3-5, 2015**

Technical Rescue Confined Space Training

#### **March 9, 2015**

Fire crews responded to a kitchen fire at Maplewood Road.

#### **March 10, 2015**

High Rise Training

#### **March 17-18, 2015**

Fire Chief's Winter Symposium and Legislation Update

#### **March 26, 2015**

Mayfield Heights Firefighters Kevin Costantino, Jeff Cudo, Rob Bambrick, Bill Madan, Matt Hornyak, Ryan Gvora, and Assistant Chief Braccia received an award for "Excellence in Professional Standards" at the 2015 Cleveland Clinic EMS Awards Ceremony.

#### **March 31, 2015**

Fire crews responded to a working house fire on Westerham Road.

#### **April 24, 2015**

Cleveland Hopkins Airport Mass Casualty Drill

## **Mayfield Heights Fire Department – 2015 Annual Report**

### **May 14, 2015**

Community Paramedicine Seminar

### **May 28, 2015**

Fire crews responded to a working house fire at 6805 Mayfield Road.

### **May 28, 2015**

Civil Service gave firefighter/paramedic entrance exam

### **June 4, 2015**

Fire Prevention Bureau attended a Fireworks Seminar

### **June 12, 2015**

2015 Northeast Ohio MMRS Conference.

### **June 26-28, 2015**

Fire Department participated in the City's Community Unity Days events.

### **July 2, 2015; July 17, 2015; July 31, 2015**

Safety Town Graduation

### **July 20-22, 2015**

Department Pediatric Advanced Life Support (PALS) class.

### **August 14, 2015**

Fire Department participated in the Police Department's "National Nite Out" event.

### **August 18, 2015**

Fire crews responded to a working kitchen oven fire at 6809 Mayfield Road.

### **September 4, 2015**

Fire crews collected donations over Labor Day weekend, for the Muscular Dystrophy Association. Firefighters collected over \$20,000 over the four-day weekend.

### **September 4, 2015**

Fire crews responded to a mattress fire on Ranchland Drive.

### **October 7, 2015**

Lander Road School visits City Hall for facility tour.

## **Mayfield Heights Fire Department – 2015 Annual Report**

### **October 14, 2015**

Fire Department received the American Heart Association's "Lifeline Mission Award".

### **October 15, 2015**

Unmanned Aircraft System (UAS) Seminar

### **October 29, 2015**

Emergency Coordinator Workshop

### **November 5-6, 2015**

Lifeline Ambulance factory visit, new squad inspection

### **November 11, 2015**

Rescue Task Force (RTF) training

### **November 14, 2015**

Mayfield Heights Firefighters participated in Community Partnership on Aging's third annual "Chili Cook Off". For the third year in a row, Mayfield Heights wins the "People's Choice" award.

### **November 15, 2015**

Fire crews responded to a working fire at 6505 Marsol Road.

### **November 25, 2015**

Fire crews responded to a working fire on Marshfield Road.

### **December 21, 2015**

Mayfield Heights Fire and Police Departments participate in the "Heroes and Helpers" program at Target Department Store.

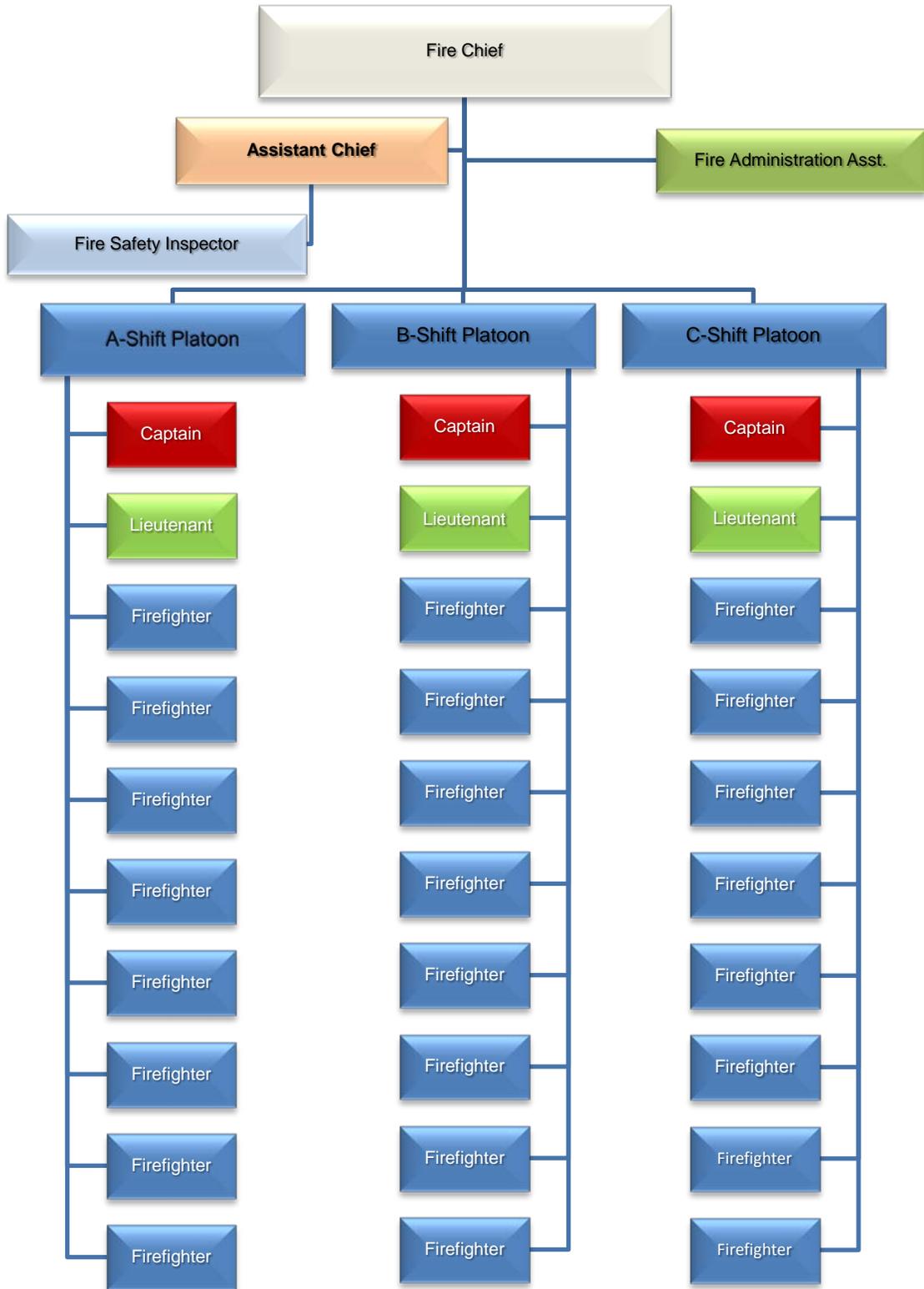
### **December 21, 2015**

Mayfield Heights Local 1500 helped to keep the kids of Lander School warm this winter by providing a box of hats and gloves for children who forget theirs, or do not have their own.

### **December 23, 2015**

Fire crews responded to a working fire at 6811 Mayfield Road.

# Mayfield Heights Fire Department – 2015 Annual Report



## Mayfield Heights Fire Department – 2015 Annual Report

### CURRENT ROSTER OF FIRE DEPARTMENT

<u>LAST NAME</u>	<u>FIRST NAME</u>	<u>RANK OR TITLE</u>	<u>SHIFT</u>	<u>INITIAL YEAR OF SERVICE</u>
BYNANE	TIM	CAPTAIN/EMT	B-SHIFT	1984
WARNER	GARY	FIREFIGHTER/EMT	C-SHIFT	1984
SHREWSBURY	JOHN	FIREFIGHTER/PARAMEDIC	A-SHIFT	1987
DURICHKO	GEORGE	FIREFIGHTER/PARAMEDIC	B-SHIFT	1987
BELLIAN	MIKE	FIREFIGHTER/PARAMEDIC	C-SHIFT	1989
KRAUS	JOHN	FIREFIGHTER/PARAMEDIC	A-SHIFT	1992
BRACCIA	MICHAEL	ASSISTANT FIRE CHIEF	ADMINISTRATION	1992
ELLIOTT	BRUCE	FIRE CHIEF	ADMINISTRATION	1993
PAROS	STEVE	FIREFIGHTER/PARAMEDIC	C-SHIFT	1995
LINSKY	DENNIS	CAPTAIN/PARAMEDIC	A-SHIFT	1995
LANHAN	JEFF	LIEUTENANT/PARAMEDIC	B-SHIFT	1995
GOODWIN	MIKE	CAPTAIN/PARAMEDIC	C-SHIFT	1995
ZDANOWICZ	TOM	FIREFIGHTER/PARAMEDIC	B-SHIFT	1995
MADAN	BILL	FIREFIGHTER/PARAMEDIC	A-SHIFT	2001
MARTINITIS	CHRIS	LIEUTENANT/PARAMEDIC	A-SHIFT	2001
CUDO	JEFF	FIREFIGHTER/PARAMEDIC	C-SHIFT	2001
MANDICH	BILL	LIEUTENANT/PARAMEDIC	B-SHIFT	2001
SMITH	JEFF	FIREFIGHTER/PARAMEDIC	A-SHIFT	2002
LANZARA	NICK	FIREFIGHTER/PARAMEDIC	C-SHIFT	2002
COSTANTINO	KEVIN	FIREFIGHTER/PARAMEDIC	B-SHIFT	2002
BAUMGARDNER	LAURA	ADMINISTRATIVE ASST.	ADMINISTRATION	2003
HORNYAK	MATT	FIREFIGHTER/PARAMEDIC	A-SHIFT	2003
PALUMBO	MARK	LIEUTENANT/PARAMEDIC	C-SHIFT	2004
GVORA	JUSTIN	FIREFIGHTER/PARAMEDIC	B-SHIFT	2007
PUIN	MIKE	FIREFIGHTER/PARAMEDIC	A-SHIFT	2007
PRIMIANO	MIKE	FIREFIGHTER/PARAMEDIC	B-SHIFT	2007
BOBINSKI	MATT	FIREFIGHTER/PARAMEDIC	C-SHIFT	2008
BAMBRICK	ROB	FIREFIGHTER/PARAMEDIC	C-SHIFT	2009
GVORA	RYAN	FIREFIGHTER/PARAMEDIC	B-SHIFT	2011
BROYLES	ZACH	FIREFIGHTER/PARAMEDIC	A-SHIFT	2012
BROCKWAY	ALEX	FIREFIGHTER/PARAMEDIC	C-SHIFT	2013
FARON	KEITH	FIREFIGHTER/PARAMEDIC	B-SHIFT	2014
SIMONIAN	TERRY	FIRE SAFETY INSPECTOR	ADMINISTRATION	2014
SAYAVONGSA	OSKA	FIREFIGHTER/PARAMEDIC	A-SHIFT	2014

## Mayfield Heights Fire Department – 2015 Annual Report

### DEPARTMENT INFORMATION

The Mayfield Heights Fire Department currently operates out of one Fire Station, located at 6154 Mayfield Road. Housed in our Fire Station are two fire engines, one 100' aerial ladder, two paramedic-equipped rescue squads, one command vehicle, and one paramedic supervisor vehicle. These vehicles are in-service every day to serve the citizens and visitors of our community.

The Fire Department operates on a three shift rotation, referred to as A, B, and C Shifts. Each shift has one Captain, one Lieutenant (one shift has a floating Lieutenant) and eight Firefighters. The total number of line Firefighters is 30.

The Fire Department Administration staff consists of the Fire Chief, Assistant Chief, Fire Administration Assistant, and a Fire Safety Inspector.

## Mayfield Heights Fire Department – 2015 Annual Report

### GENERAL STATISTICS

- In 2015 the Mayfield Heights Fire Department responded to 3,481 calls for service, an all-time high for the Fire Department.
  - 2854 Rescue/EMS related
  - 627 Fire related
- 82% of overall call volume was EMS
- Calls were down 3.5 % in 2015 and up 15.23 % from 2010
- The busiest day of the week in 2015 was Tuesday
- The slowest day of the week in 2015 was Saturday/Sunday
- The busiest hour of the day in 2015 was 1PM
- The slowest hour of the day in 2015 was 3AM
- Total property and content loss in 2015 was \$242,000.00. This figure is down 73.76% from 2014.
- 886 overlapping calls (25.45%) in 2015
- No civilian fire fatalities reported in 2015
- No firefighter injuries from fires in 2015
- The average years of service (per firefighter) is 15 years
- Average response time from dispatch to arrival was 3:59 min
- Average time spent on scene was 15:05 min
- A-Shift responded to 1189 incidents
- B-Shift responded to 1142 incidents
- C-Shift responded to 1150 incidents
- Average cost per incident: \$1,407
- Yearly cost per resident (based on 2014 estimated population of 18,849): \$259.87

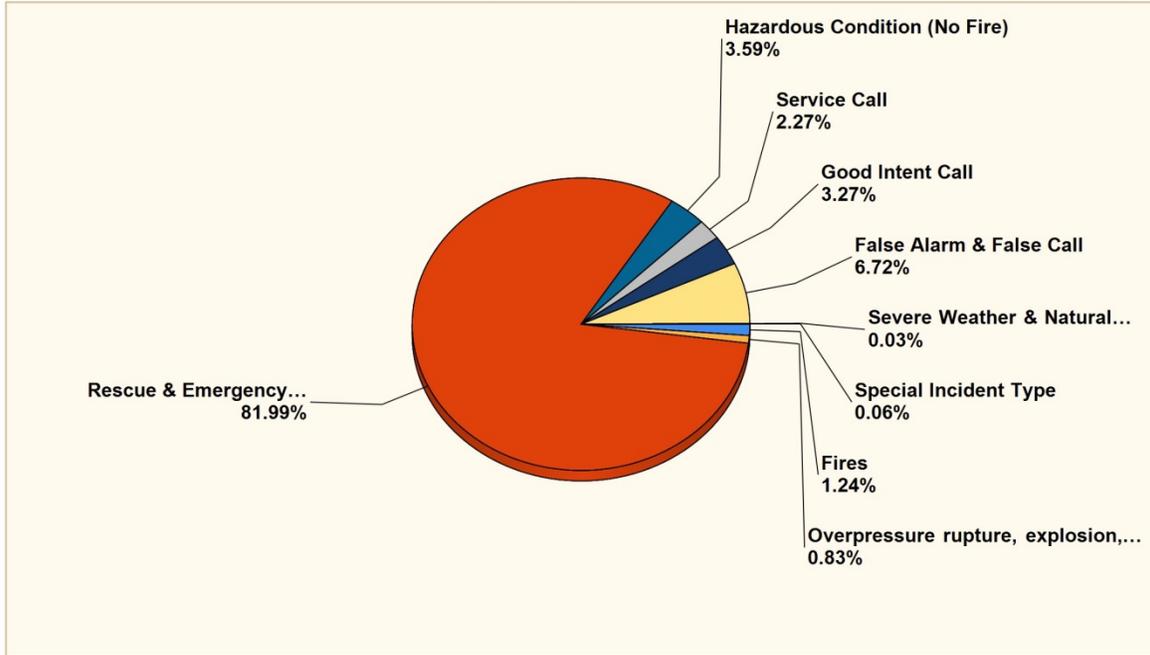
Mayfield Heights Fire Department – 2015 Annual Report

**GENERAL STATISTICS**

<b>2015 Fire Department Budget vs. Actual</b>		
<b>Description</b>	<b>2015 Approved Budget</b>	<b>2015 Actual Expenditures</b>
Salaries	3,128,500.00	3,093,320.15
Fringe Benefits	1,541,150.00	1,538,051.21
Materials/Supplies	97,200.00	59,601.78
Contractual Service	202,425.00	151,948.37
Equipment/Improvement	30,000.00	14,389.73
Other Expenses	46,400.00	40,798.12
FEMA Grant		144.10
2014 Totals	5,045,675.00	4,898,253.46
		-3.01 %
<b>Past Actual Annual Expenditures</b>		
2013		\$4,523,108.02
2014		\$4,715,562.57
2015		\$4,898,253.46
<b>2015 Grant Funds Received/Donations</b>		
State of Ohio – Training/Equipment		\$3,500.00
	<b>Total</b>	<b>\$3,500.00</b>

Mayfield Heights Fire Department – 2015 Annual Report

**MAJOR INCIDENT TYPES FOR 2015**

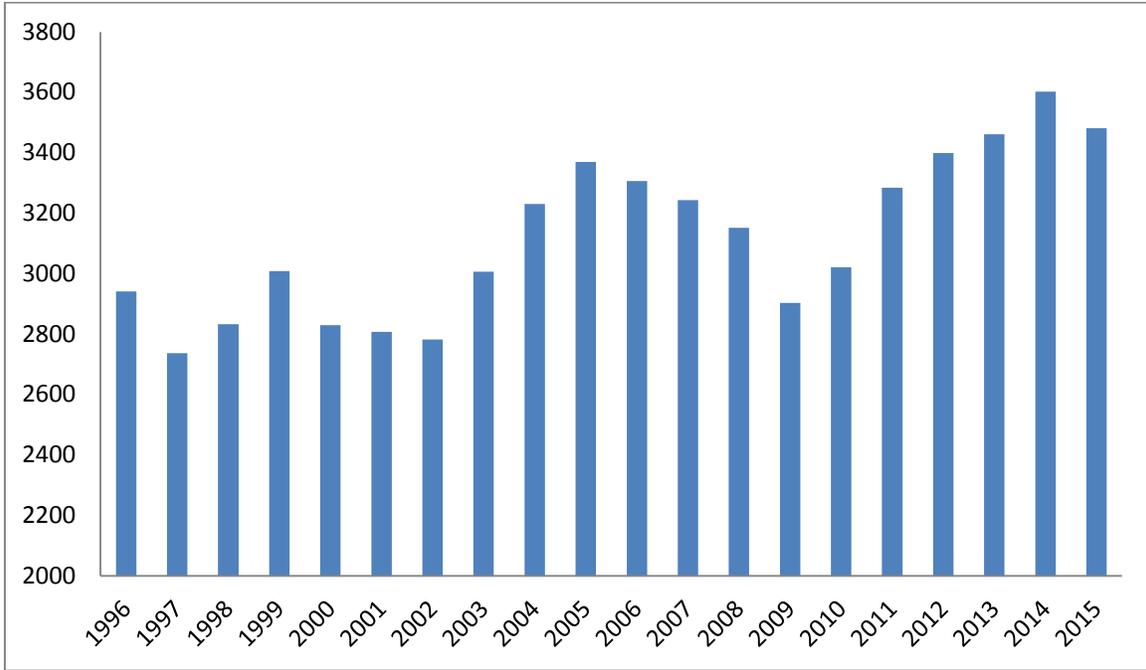


MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	43	1.24%
Overpressure rupture, explosion, overheating - no fire	29	0.83%
Rescue & Emergency Medical Service	2854	81.99%
Hazardous Condition (No Fire)	125	3.59%
Service Call	79	2.27%
Good Intent Call	114	3.27%
False Alarm & False Call	234	6.72%
Severe Weather & Natural Disaster	1	0.03%
Special Incident Type	2	0.06%
<b>TOTAL</b>	<b>3481</b>	<b>100.00%</b>

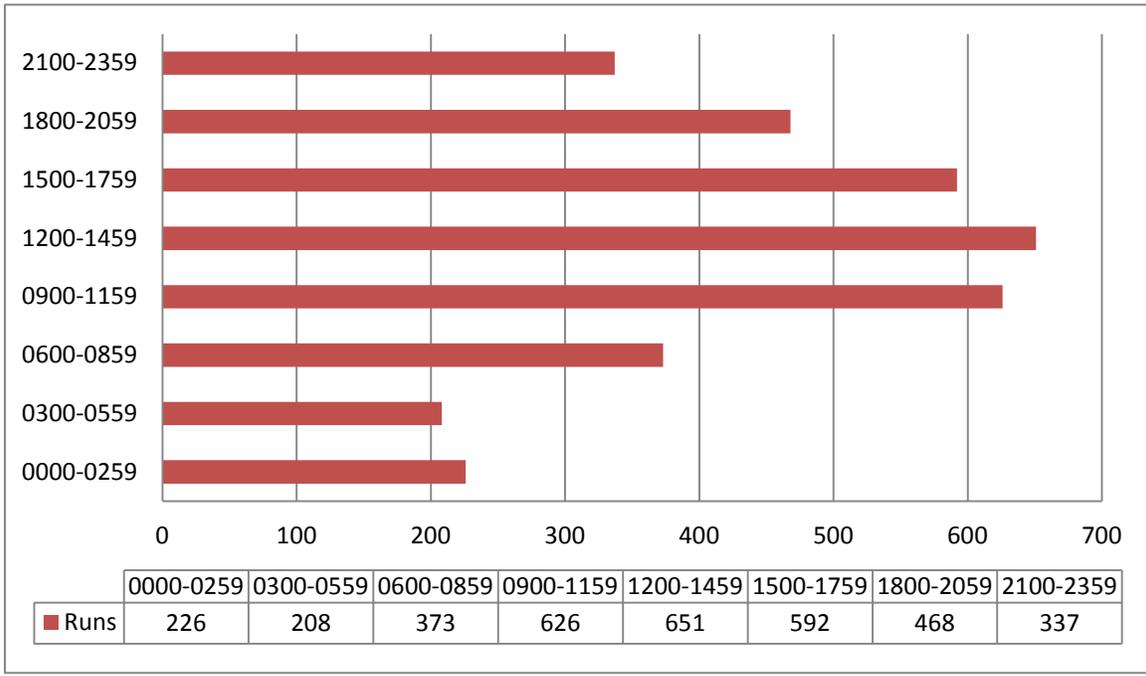
# Mayfield Heights Fire Department – 2015 Annual Report

## GENERAL STATISTICS

### Fire Department 20-Year Run History



### 2015 Runs by Time of Day



# Mayfield Heights Fire Department – 2015 Annual Report

## GENERAL STATISTICS

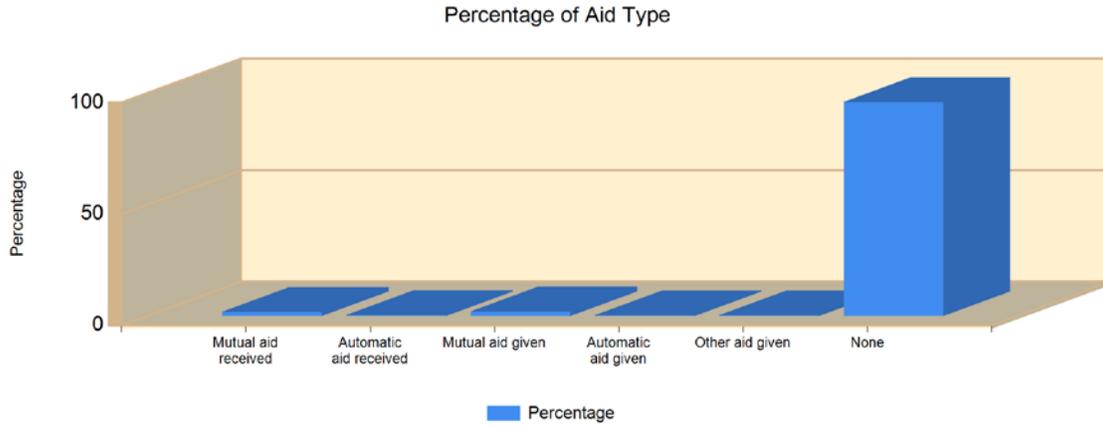
### 2015 Fire Loss Data

TOTAL INCIDENTS	TOTAL PROPERTY LOSS	TOTAL CONTENT LOSS	TOTAL LOSSES	AVERAGE LOSS
11	\$157,100.00	\$84,900.00	\$242,000.00	\$22,000.00

INCIDENT NUMBER	DATE	Incident Type	PROPERTY LOSS	CONTENT LOSS	TOTAL	% of Total
2015-1240	05/12/2015	111 - Building fire	\$100.00	\$0.00	\$100.00	0.04%
2015-1388	05/28/2015	111 - Building fire	\$25,000.00	\$8,000.00	\$33,000.00	13.64%
2015-16	01/03/2015	118 - Trash or rubbish fire, contained	\$0.00	\$2,000.00	\$2,000.00	0.83%
2015-2200	08/23/2015	113 - Cooking fire, confined to container	\$0.00	\$800.00	\$800.00	0.33%
2015-2315	09/04/2015	111 - Building fire	\$0.00	\$500.00	\$500.00	0.21%
2015-2541	09/28/2015	131 - Passenger vehicle fire	\$3,500.00	\$400.00	\$3,900.00	1.61%
2015-3044	11/15/2015	111 - Building fire	\$20,000.00	\$15,000.00	\$35,000.00	14.46%
2015-327	02/05/2015	111 - Building fire	\$7,500.00	\$7,500.00	\$15,000.00	6.20%
2015-638	03/09/2015	111 - Building fire	\$0.00	\$700.00	\$700.00	0.29%
2015-868	03/31/2015	111 - Building fire	\$100,000.00	\$50,000.00	\$150,000.00	61.98%
2015-890	04/03/2015	445 - Arcing, shorted electrical equipment	\$1,000.00	\$0.00	\$1,000.00	0.41%

**GENERAL STATISTICS**

**Mutual Aid Given and Received in 2015**



AID TYPE	TOTAL	% of TOTAL
Mutual aid received	59	1.7%
Automatic aid received	10	0.3%
Mutual aid given	65	1.9%
Automatic aid given	3	0.1%
Other Aid Given	2	0.1%
None	3342	96.0%

## Mayfield Heights Fire Department – 2015 Annual Report

### EMERGENCY MEDICAL SERVICE BILLING RECEIPTS

The Mayfield Heights Fire Department bills patients for transportation to medical facilities. The funds received from EMS (Emergency Medical Service) billing are distributed into the City's General Fund. Listed below are the 2015 EMS billing totals.

<b>January</b>	\$47,342.58
<b>February</b>	\$43,504.25
<b>March</b>	\$38,937.29
<b>April</b>	\$51,169.25
<b>May</b>	\$57,421.91
<b>June</b>	\$45,998.53
<b>July</b>	\$75,954.43
<b>August</b>	\$49,996.70
<b>September</b>	\$55,650.17
<b>October</b>	\$61,812.75
<b>November</b>	\$58,266.33
<b>December</b>	\$52,701.16
<b>Total</b>	<b>\$638,755.35</b>

## **Mayfield Heights Fire Department – 2015 Annual Report**

### **MAYFIELD HEIGHTS COMPUTER SYSTEM 2015 YEARLY REPORT BY: ASSISTANT CHIEF BRACCIA**

#### **Information Technology and Related Software:**

The Fire Prevention Bureau has moved to go as paperless as possible and is now reducing the amount of saved hard copies by scanning all of our reports, violation notices, and all other correspondence dealing with local occupancies and fire prevention issues into our web-based reporting software. This has made it much easier for us to track down various pieces of correspondence when needed as all we need to check a report is a Windows based computer or tablet and an internet connection. Violation notices can be emailed directly from our software and any correspondence received from testing companies can be scanned into the software for immediate availability.

The Fire Department server infrastructure and desktop computers were again maintained both in-house and by DataServ, a Skoda Minotti technology company. In house the desktops were routinely cleaned physically, both internally and externally, with various scans run to maintain the integrity of the operating system. DataServ was only used when repair or major configuration issues were necessary.

Monthly EMS and NIFIRS report information was sent to the State of Ohio Fire Incident Reporting System which tracks and confirms that the fire department is compliant with all the information required by the State of Ohio when filling out our Fire and EMS reports. The Mayfield Heights Fire Department once again has an acceptance rate of well over 99% on each of the initial monthly filings, which has been the trend for us since we began electronic filing in 2007.

## **Mayfield Heights Fire Department – 2015 Annual Report**

### **MAYFIELD HEIGHTS FIRE PREVENTION BUREAU 2015 YEARLY REPORT**

**BY: ASSISTANT CHIEF BRACCIA AND INSPECTOR SIMONIAN**

#### **Fire Prevention:**

The Mayfield Heights Fire Department Fire Prevention Bureau consists of a full-time Fire Inspector who is directly supervised by the Assistant Chief. The Bureau is charged with the following duties:

- Inspecting all business occupancies for Fire Safety code compliance
- Reviewing site plans prior to site approval from City Council
- Plan review prior to building permits being issued
- Certificate of occupancy inspections with the Building Department prior to the issuance of a certificate of occupancy
- Inspecting homes prior to adoptions (county requirement)
- Inspecting prospective foster homes (county requirement)
- Issuing yearly fire prevention permit

Witnessing a variety of system tests:

- New underground fire line hydrostatic test
- New sprinkler system hydrostatic test
- New sprinkler system acceptance test
- Sprinkler system yearly maintenance test
- Pre-Action Sprinkler systems yearly maintenance test
- Standpipe hydrostatic test (every five years)
- New fire alarm acceptance test
- Fire alarm yearly maintenance test
- New hood system acceptance test
- Hood system bi-yearly test
- FM200 yearly system test
- Yearly fire door drop test
- Bi-annual CO2 system test
- Yearly HVAC smoke control test
- Yearly HVAC duct smoke detector test
- Yearly Foam system test
- Witness fire and evacuation drills at our local schools and businesses

## Mayfield Heights Fire Department – 2015 Annual Report

The Fire Prevention Bureau also works closely with the Mayfield Heights Building Department in the review of building plans to insure that all fire codes are followed during the installation of sprinkler systems, alarm systems, extinguishers, exit pathways, etc.

This year, the Fire Prevention Bureau witnessed or inspected the following, seeing to it that corrective action was taken when necessary:

### Fire Prevention Inspection Report 2015

<b>Fire Alarm Tests</b>	146
<b>Occupancy Inspection</b>	24
<b>Sprinkler Tests</b>	106
<b>Hood Suppression System Tests</b>	104
<b>HVAC Duct Detector Tests</b>	18
<b>Clean Agent System Tests</b>	8
<b>Fire Safety Inspections</b>	293
<b>Fire Door Confidence Test</b>	3
<b>Underground Fire line Flush\Inspection</b>	4
<b>Underground Fire line Hydrostatic Test</b>	2
<hr/>	
<b>Total Fire Inspections</b>	706

The Fire Prevention bureau was also involved in some major construction projects this year including a new outdoor patio at Panini's, the major overhaul of the old Kensington motel (soon to be the new Comfort Inn,) and the continued work on the new Atrium Center skilled nursing facility located on Lander road near Cedar.



## Mayfield Heights Fire Department – 2015 Annual Report

### Public Education:

The Fire Prevention Bureau is also charged with overseeing the Fire Department's Public Education programs. This year, the Fire Department continued its public education program for both preschoolers and grade school age children.

Once again, the well-respected fire safety education program for preschoolers called "Play Safe! Be Safe!" was implemented with the aid of the University Hospitals Safe Kids of Greater Cleveland agency. The program was developed over twenty years ago by child development and fire safety specialists to help fire departments and other fire safety educators effectively teach fire safety to preschool children. The program is taught one day per week for four weeks by a member of the Fire Department and then reinforced on the remaining four weekdays by the preschool teacher.



The program has proven to be the most effective way to promote fire safety to young children and research has shown that the majority of the children who have gone through this program retain the information for a lifetime, versus those who are given a one day lecture. The program was designed for preschoolers in the 3-5 year old age group and was extremely well received by both the children and the teachers.

The Bureau once again used our "Hazard House", a dollhouse-like structure used to simulate fire hazards in residential homes, and a 911 simulator, both purchased with grant funds in 2014, this year at Lander Elementary School at our annual fire safety program given during Fire Safety Week in October. The program is always well-received by both the teachers and students, and the children appreciate the visual effects and cues given to them through the hazard house, as witnessed by the many excellent questions they always have during and after the program!

The Fire Prevention Bureau also participated in the annual Safety Town courses given over six weeks in the summer. The children participated in various fire safety lessons including "Stop! Drop! And Roll!", "Crawl Low Under Smoke!" As well as learning the importance of E-D-I-T-H (Exit Drills in the Home). The highlight of each day is at the end when the children get to check out the fire engine and use a real fire hose to "throw" some water!

The Fire Prevention Bureau once again went out to our local business community and instructed a number of businesses in the proper use of fire extinguishers with the use of a laser based extinguisher training system borrowed from a neighboring community. The ease of use of the

## Mayfield Heights Fire Department – 2015 Annual Report

new laser based system allowed the Bureau to reach out to more businesses in the city since “live” fire and real extinguishers are no longer needed to obtain realistic training.



### Goals and Expectations for 2016:

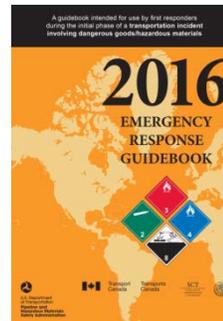
In 2016 we hope to begin replacing at least half of our aging desktop computer systems. The current systems have served us very well, but are beginning to show their age. The Department would like to begin a program of replacement before the need becomes emergent.

The Department is still looking to consolidate many of our redundant printers, some of which are more than eight years old and are beginning to show signs of age. We would like to replace as many printers as possible with network capable printers and do away with the older peer-to-peer connected systems from which many of our printing issues seem to stem.

## Mayfield Heights Fire Department – 2015 Annual Report

### MAYFIELD HEIGHTS BUILDING AND GROUNDS/HAZMAT/WMD 2015 YEARLY REPORT BY: CAPTAIN BYNANE

**WMD and Hazmat** - Once again, the Mayfield Heights Fire Department was fortunate enough to qualify for the grant-sponsored eight hour hazardous materials refresher training provided by Cleveland State University. The instructors are present or retired City of Akron Fire Department members with years of practical hands on hazmat experience. This year, we reviewed the 2012 Emergency Response Guidebook, discussed the hazards of liquid oxygen in our city, and performed dexterity drills in Level “A” suits. We hope to qualify for this training again in 2016.



**Station Maintenance** – This year we had far fewer problems with the heating and air conditioning in the station. This can probably be attributed to the ramped up preventative maintenance that was performed by Gardiner; however, new motor bearings were necessary in the large mezzanine air handler.

J & L Door continues to provide maintenance for the bay garage doors and also provides emergency service as needed. These doors get quite a daily workout and J & L does a good job of getting them back in service quickly.

Fred’s Appliance continues to take care of most of our appliance repairs as needed.

Total Appliance replaced the drain pump in our dishwasher at no cost as it was still under warranty.

F & M Mechanical continues to be the service provider for our vehicle diesel exhaust system. In an effort to keep costs down, we perform in-house repairs as much as possible and only call them when absolutely necessary. The “Neiderman exhaust system” is an important safety component as it reduces the amount of diesel exhaust that we are exposed to in the bays.

Zenith Systems provides service for our electric door locks as needed. This year, they replaced the bay man door swipe card only lock with a combination swipe card/key pad entrance lock. This helps with station security when contractors are working in the station. They can be given a temporary entrance code so they can perform their work. When they are finished the code can simply be changed.

In April our annual spring cleaning of the station took place once again. The object of spring cleaning is to clean the items that we don’t get to on a weekly or monthly basis.

## Mayfield Heights Fire Department – 2015 Annual Report

In August the service department stripped and waxed the kitchen and watch office floors.

Scbrocco Plumbing continues to provide plumbing services to the fire department as needed. Many minor plumbing repairs such as new valve cartridges are handled in house and he is only utilized when the job is beyond our capabilities.

In August the upstairs clothes dryer was replaced; the old one was 12 years old.

An automatic soap dispenser was installed on the washing machine.

A chair rail was added to the training room wall in an effort to prevent damage to the drywall. The rail was designed, installed, and finished by our resident “C” shift carpenter while on duty.

In September, Authentic Flooring replaced the worn out carpeting in the locker room with a more durable ceramic tile floor. Members of “B” shift removed the lockers, painted the room and reinstalled the lockers all while on duty at no cost to the city.

In October, half of our dormitory mattresses and box springs were replaced by The Original Mattress Factory here in Mayfield Heights. The ones replaced were originals from when the station opened in 2003.

Seven new dayroom recliners were received under warranty at no cost to the city. Some of the old recliners had a defective mechanisms but the company, Fire Station Outfitters, decided to replace them all.

Finally, many miscellaneous repairs are made by on-duty personnel on a regular basis such as vacuum cleaner repairs, minor painting and dry wall repairs, steam cleaning of furniture and fitness equipment repairs. The guys are very talented and they enjoy the change of pace that these projects provide.

***Apparatus Inventories*** – Apparatus inventories are updated as needed at the end of each year to match new or retired equipment. These are good training aids and they are used frequently.

***Apparatus Specifications*** – A new 2016 International Terrastar rescue squad manufactured by Lifeline Emergency Vehicles and sold by Pfund Superior Sales out of Pittsburgh was received on December 14, 2016. Once it is equipped, radios are installed, and training is performed, it will be put in service.

***Accountability Tags and Station Signage*** – All tags and signage are updated as personnel are hired or promoted.

**Mayfield Heights Fire Department – 2015 Annual Report**

**MAYFIELD HEIGHTS VEHICLE MAINTENANCE  
2015 YEARLY REPORT  
BY: CAPTAIN GOODWIN**

**Mayfield Heights Fire Department Primary Vehicle Fleet**

Engine 512  
2004 E-One



Engine 511  
1989 Pierce Arrow



Ladder 521  
2000 E-One



Squad 543  
2016 Terrastar



Squad 541  
2009 Lifeline



Squad 542  
2005 Lifeline



Command 550  
2014 Explorer



Medic 553  
2010 Explorer



Utility Truck 555  
2012 Dodge Ram 2500



## Mayfield Heights Fire Department – 2015 Annual Report

The Mayfield Heights Fire Department has a fleet of 12 vehicles which require routine preventative maintenance to ensure their dependability. A great number of hours are spent each week cleaning, waxing and making repairs to each vehicle. The vehicles are on a schedule to ensure the preventative maintenance is completed on a consistent and regular basis.

Repairs are completed both in-house and by outside vendors. At times, the outside vendors are used to ensure we remain compliant with NFPA 1911, the standard for the inspection, maintenance, and testing of in-service fire apparatus. Great effort is put forth to ensure the vehicles are maintained in the most efficient and cost effective manner possible.

The extreme cold weather that we experienced in early 2015 proved to be hard on all vehicles, causing damage that would likely not have happened if temperatures were normal. Subzero temperatures for days and even weeks, seemed to be the difference.

Three of the department's vehicles have onboard water pumps to supply sufficient water pressures for firefighting: Engine 511, Engine 512 and Ladder 521. The water pumps were tested this year, as they are each year. All three performed to their expected standard. In addition to pump testing, the department's ground ladders require annual testing. Ladder Testing is performed by an outside vendor, as special equipment is needed for the testing. The ladders are thoroughly inspected for wear and repairs are made as needed. The ground ladders also undergo a weighted test to ensure they remain compliant with the fire department standard.

Aerial Ladder 521 also undergoes ladder testing and, in addition to the ladder testing, the pre-piped waterway is pressure tested and flow tested. The pre-piped waterway is permanently attached to the ladder and extends its full 100' length. This allows for great volumes of water to be applied to fires from above, or out of the reach of ground forces.



and transferred to the building department.

In 2015, we placed a new Ford Interceptor SUV into service as the Chief's vehicle, 551. The 2009 Fusion became the Assistant Chief's car, 552, and the 2007 Ford Taurus was removed from service

## Mayfield Heights Fire Department – 2015 Annual Report

Specifications for a new Lifeline rescue squad were drawn up and approved. We took delivery of the new squad late in December and it will be placed into frontline service in early 2016.



### Mayfield Heights Fire Department Vehicle Inventory

Vehicle	Year	Manufacturer
Engine 511	1989	Pierce
Engine 512	2004	Emergency One (Eone)
Ladder 521	2000	Emergency One (Eone)
Squad 541 (backup)	2009	Lifeline on Ford Econoline Chassis
Squad 542 (Reserve)	2005	Lifeline on International Navistar 4300 Chassis
Squad 543 (First Out)	2016	Lifeline on International Terrastar Chassis
Command Vehicle 550	2014	Ford Interceptor SUV
Chief Car 551	2015	Ford Interceptor SUV
Asst. Chief Car 552	2009	Ford Fusion
EMS Chase Vehicle 553	2010	Ford Explorer
Fire Prevention Vehicle 554	2008	Ford Explorer
Utility Vehicle 555	2012	Dodge Ram 2500 4x4

## Mayfield Heights Fire Department – 2015 Annual Report

### MAYFIELD HEIGHTS EMERGENCY MEDICAL SERVICES (EMS) 2015 YEARLY REPORT BY: CAPTAIN LINSKY

Emergency Medical Services (EMS) had a very productive year in Mayfield Heights. Our Firefighter/Paramedics (FF/PM) and Emergency Medical Technicians (EMT) responded to 3,481 emergency calls. Of those 2,854 were EMS related. Transporting 2,099 patients to the hospital emergency department. The department consists of 28 full-time Firefighter/Paramedic and two full-time Firefighter/EMTs.



Our secure, on-line reporting system provides access to all of our reports and has proved to be a very user-friendly reporting system. We can generate many reports with the data, including but not limited to: call volumes, type of emergency, type of fire, carbon monoxide incidents, training hours, time sheets, fire inspections, Emergency Medical Service (EMS) instant review and feedback with medical control, hydrants, and preplans.

The department follows the medical direction of Dr. James Sauto, Jr., MD a Cleveland Clinic Foundation Emergency Physician who works out of Hillcrest Hospital. Dr. Sauto worked as a FF/PM before becoming a doctor and knows and loves the job we do. Under his direction and training Hillcrest continues to provide EMS continued education (Con-Ed) classes for each of our three shifts on a monthly basis. The following educational topics were covered in 2015:



- Pediatric Respiratory Emergencies
- Vascular Access Devices
- Hypothermia
- Airway Competencies
- Trauma in Pregnancy
- Pediatric Trauma
- ST Elevated Myocardial Infarctions
- Advanced Directives and Patient Refusals
- Cardiac Pharmacology
- OB
- Chest Wall and Plueral Space
- Burn Care
- Warm Weather Emergencies
- EMS Jeopardy
- Abdominal Pain
- Drugs and the Drug Box



## Mayfield Heights Fire Department – 2015 Annual Report



In addition to classroom training, the department uses online education and training that certifies our Paramedics and EMT's with up-to-date continuing education hours. A total of 892 hours of continuing education for EMS was completed, broken down as: 118 hours for trauma, 102 hours for pediatrics, 29 hours for geriatrics, and 643 hours for "other".

We sent four FF/PM to the Northern Ohio Trauma Symposium (NOTS) for a two day trauma training seminar. Three FF/PM attended the Metro Life Flight Symposium for continuing education. Three attended UH Trauma Symposium. We had twelve FF/PM's recertify their state certifications this year and all were approved. All FF/PM passed the Medical Director's yearly competency exam on EMS protocols.

EMS Advisory meetings are held every other month at Hillcrest. The meetings are run by the Medical Director and the Hillcrest EMS staff with representatives from Pediatrics, Adult ED, Trauma, Neurology, and upper level administration.

The department received \$3,500 in grant money from the State of Ohio, Division of EMS. The grant money was used to purchase various new EMS equipment, Reeves stretchers, and Carbon Monoxide Detectors for both squads. The fire department continues to use our new power load systems for both of our ambulances. This system is safer for the patient and the worker to prevent injuries and lower workers compensation claims.



**AUTHORIZED  
TRAINING  
CENTER**

The department now has four members who are CPR Instructors. 23 classes were taught throughout the year with a total of 144 people being certified in CPR. The department offers CPR classes to the public on the second Wednesday of every month.

The department has one certified Advanced Cardiac Life Support (ACLS) Instructor, one certified Pediatric Advanced Life Support (PALS) Instructor, and one EMS Instructor. The city of Mayfield Heights Fire Department is a State Certified Continuing Education Site, allowing our instructors teach Con-Ed for EMS within our own department.

The department continues its involvement with our Social Services department to create a better way to handle hoarding and bed bugs situations.

## Mayfield Heights Fire Department – 2015 Annual Report

### Goals for 2016

- Apply and receive our yearly EMS grant from the Ohio Department of EMS.
- Continue and expand our community CPR course offerings including offering AED training to our local businesses.
- Certify two more members on the department to be ACLS and PALS Instructors.
- Offer Con-Ed to our department and outside agencies on a monthly basis.



## Mayfield Heights Fire Department – 2015 Annual Report

### MAYFIELD HEIGHTS TRAINING PROGRAM

#### 2015 YEARLY REPORT

BY: LIEUTENANT MARK PALUMBO

The Training Division is responsible for coordinating and scheduling the majority of department training. All suppression personnel must receive initial training and skills must be continually maintained. The maintenance of firefighter skills is done through in-service training, accomplished in a variety of ways including: outside instructors, company level training, online web-based computer training, and multi-departmental drills. Personnel are also sent to conferences and classes outside of the department for specialized training. Training operates in compliance with requirements established by the Ohio Fire Academy and the standards of the National Fire Protection Association (NFPA). As standards change, training programs, records, and policy must be continually evaluated and updated to remain in compliance. When Mayfield Heights firefighters are not responding to calls for service, much of their time is spent training. The Department strives to make training an essential component of our firefighters' daily routine so they are prepared to manage and respond to all types of emergencies.



2015 exceeded the number of training hours of any previous years for the Mayfield Heights Fire Department. Fire training was obtained daily on the shift level, which included business inspections and building familiarization along with scenario-based discussion about firefighting strategy and tactics. Larger-scale drills were held on a monthly basis incorporating classroom education, demonstration, hands on manipulation, and scenario-based situations. Firefighting training is also obtained outside of the department by area experts and colleges that members of the department attend. The total training hours attended by fire department personnel amounted to 1,948. This was an increase of approximately 10% from the previous year hours of 1,863. This amounts to approximately 59 fire training hours annually per member of the department, including administration. This figure far exceeds the 54 hours required by The State of Ohio in a three year period to recertify as a Level II Firefighter. Training priorities for the department meet and exceed those set by the State. Areas of training include forcible entry into structures, ventilation of both commercial and residential buildings, auto extrication and rescue, incident command and accountability, search and rescue, and hazardous materials identification and control, along with many other areas throughout the year. Additionally, much emphasis is placed on self-contained breathing apparatus (SCBA) familiarization, and firefighter self-rescue.



The Department hosted a train the trainer course for Rapid Intervention Crews (RIC). The purpose of this training is to provide rescue for a firefighter that becomes trapped, disoriented, out of air or some other type of emergency while operating in a hazard zone. Members of Mayfield Heights, Lyndhurst, and Richmond Heights Fire Departments

## Mayfield Heights Fire Department – 2015 Annual Report

participated in an all-day training event. The emergency is a quick deployment of four fully equipped firefighters to assist in the aid or rescue of any member within the structure if an emergency should arise. Training includes advanced rescue techniques, SCBA proficiency and troubleshooting along with fire behavior and building construction knowledge. Members of such a team have to be extremely disciplined and trained for this highly stressful situation and atmosphere they must operate in to rescue one of their own.

Several members of the department attended the Fire Department Instructors Conference (FDIC) in Indianapolis, Indiana. With over 32,000 attendees from over 59 countries around the world FDIC is the largest fire department conference. The purpose of FDIC is for attendees to participate in all day sessions learning effective fire ground tactics, command structure, and bettering community response to emergencies. Additionally FDIC provides the latest techniques in training and proficiency of fire service personnel. The attendees to this year's FDIC brought valuable information, techniques, and equipment suggestions to improve the department's response to mitigating emergencies.



This past year the department emphasized much of its fire suppression training in the area of high rise firefighting. High rise fires pose very unique and challenging aspects to firefighting. High-rise buildings present several unique challenges not found in traditional low-rise buildings; longer egress times and distance, evacuation strategies, fire department accessibility, smoke movement and fire control. The multiple floors of a high-rise building create the cumulative effect of requiring great numbers of persons to travel great vertical distances on stairs in order to evacuate the building. It is the goal of the department to continually train to meet these challenges and effectively manage a fire in one of our high rise structures.

The Mayfield Heights Fire Department has consistently provided high quality training within a system that supports a cooperative and interactive learning environment conducive to the needs of its career members of our organization. Consistent and unified instruction of this type that unites our members in a constructive training atmosphere is a critical component of the overall safety and operational efficiency of our department. We will continue to set the highest standards in training our members to continue meeting the challenges emergencies bring and responding appropriately with professionalism and excellence.

# Mayfield Heights Fire Department – 2015 Annual Report

## MAYFIELD HEIGHTS PRE-PLANS / CAR SEATS / UNIFORMS 2015 YEARLY REPORT BY: LIEUTENANT MARTINITIS

### Car seats

In 2015 the fire department helped install 124 Car seats. That is double the amount of car seats checked last year. We currently have 4 CPS techs in the fire department. The shifts have been set up so that we have at least 1 tech per shift. As technicians, we also help install booster seats.

Children need to be in booster seats until they are at least 4 feet 9 inches and weigh between 80 and 100 pounds. For most children this is between the ages of 8 – 10 years old.



Children seated in a booster seat in the back seat of the car are 45% less likely to be injured in a crash than children using a seat belt alone.

### Turn Out Gear

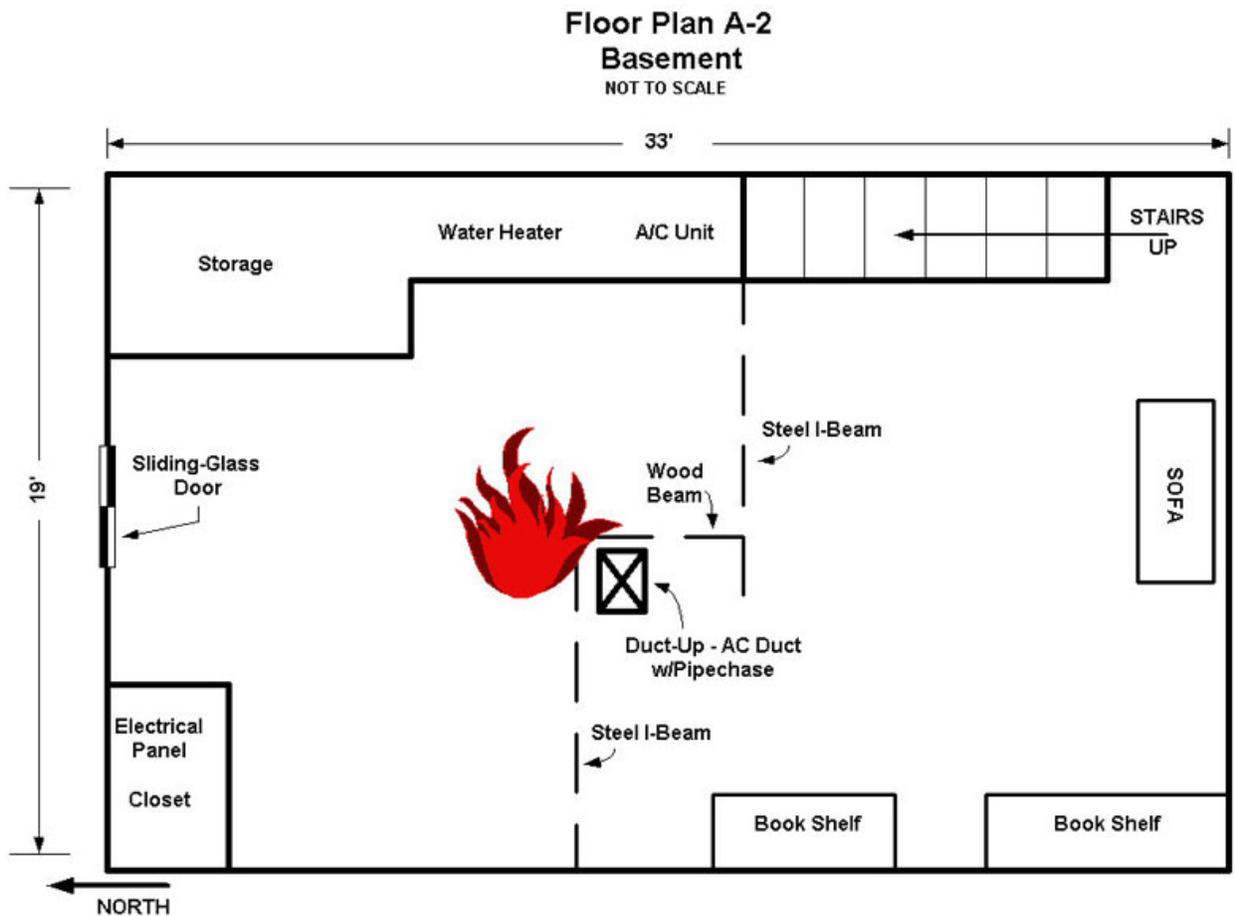


In 2015, the fire department purchased eight new sets of gear. These eight sets were needed to replace eight sets of gear that were contaminated at the scene of an accident on 271. The gear was replaced at no cost to the city. Four of the eight sets needed to be replaced by next year when they expired. Gear is only good for ten years according to NFPA 1971. The protection of the gear breaks down with use and with routine washing.

# Mayfield Heights Fire Department – 2015 Annual Report

## Pre Plans

This year preplans were completed for Golden Gate Gardens. This includes 18 buildings in total. These buildings can be very challenging for the fire department because they are connected and share a common attic space. This can lead to the spread of fire from one building to the next. Another challenge is long hose lays because of the distance of fire hydrants from certain buildings. Preplans are completed by the firefighters. This is done when shifts go out and walk through the buildings and gather information needed. This is a good opportunity for the fire department to see what challenges a building might present in a non-emergency environment.



## Mayfield Heights Fire Department – 2015 Annual Report

### MAYFIELD HEIGHTS SMOKE DETECTORS, COMMUNICATIONS 2015 YEARLY REPORT BY: LIEUTENANT BILL MANDICH

#### COMMUNICATIONS:

In the area of communications, the Fire Department is up to date with the most current technology available. The Fire Department operates with the 7x MARCS IP system; MARCS stands for Multi-Agency Radio Communication System. MARCS is dedicated to providing Ohio's first responders and public safety providers with state-of-the-art wireless digital communications, and to promote interoperability between agencies such as Fire, Police, Sheriff, and Life Flight, in order to save lives and maximize effectiveness in both normal operations and emergency situations across the state.

All of the communications equipment for the Fire Department is in very good working condition and meets all current safety guidelines. The radio equipment is some of the most valuable equipment we use today. The Fire Department uses newer model handheld portable radios manufactured by Motorola, and newer model mobile radios (also manufactured by Motorola) in all of our vehicles. Our Ladder Truck, Engine, and two Ambulances are equipped with vehicle mobile repeater systems that are able to boost a radio signal from a handheld portable radio, through the vehicle where the repeater is located, to the radio tower that picks up the radio signal, and then on to our Dispatch. These repeaters are useful when a better radio signal is needed for improved communications.



Yearly, the fire department purchases ten (10) new portable radio batteries to ensure efficiency of the batteries. Our battery chargers are newer model chargers capable of conditioning the batteries to maximize efficiency.

All radio equipment is tested and professionally maintained to ensure that it is operating properly, and all communications equipment is inventoried annually.

## Mayfield Heights Fire Department – 2015 Annual Report

### SMOKE DETECTOR PROGRAM:

The Smoke Detector Program continues to be a successful program for the fire department. In 2015, the Fire Department installed 149 photoelectric detectors in 54 homes throughout the city. Purchased with funds obtained through a Fire Prevention grant, photoelectric detectors are highly recommended throughout the fire service, with several tests and studies completed to support that recommendation. Photoelectric detectors have shown to detect smoldering fires faster than ionization detectors, and they have cut down on nuisance alarms that could possibly result from cooking or steam.

The installations are completed by Fire Department personnel, with each residence receiving a maximum of three detectors. The installations are completed once a month, usually on the last Saturday of the month, with the scheduling being completed by the Fire Department Secretary, Laura Baumgardner. The goal of the installation is to protect each level of the residence, with special attention given to means of egress, specifically stairways, and close to sleeping areas.

Battery replacements are also completed by fire department personnel upon request. The batteries are usually purchased with fire prevention donations.



*Working*  
**SMOKE ALARMS  
SAVE LIVES**

**Change Your Clock, Change Your Battery**

*"Dedicated To Life Safety"*

## Mayfield Heights Fire Department – 2015 Annual Report

### MAYFIELD HEIGHTS FIRE HOSE, FIRE HYDRANTS, SMALL TOOLS 2015 YEARLY REPORT BY: LIEUTENANT JEFF LANHAN

#### FIRE HYDRANTS:

The Fire Department maintained a total of 988 fire hydrants in 2015. All hydrants are inspected, operated, and maintained annually by flushing, lubricating, and checking each one for proper operation. All fire hydrants are also visibly inspected for damage and proper drainage. Hydrants that do not drain properly are pumped dry to prevent freezing.



Fire hydrants that are found to be damaged and non-operational are placed out-of-service and reported to the Cleveland Water Department for repair or replacement. Out-of-service hydrants are marked so that in case of a fire, crews will know they are not operational. This year, the Fire Department and Service Department made a joint purchase of a Hydraulic Hydrant tool. This tool attaches to the front of a skid steer. The purpose of this tool is to descale, polish, and prepare fire hydrants for painting in around 90 seconds per hydrant. This tool can also remove snow from buried hydrants in around 30 seconds. In 2015 the city was able to prepare and paint every hydrant in the city.



In 2015, the fire department has continued to work well with the Cleveland Water Department and again have been able to have many of our out-of-service hydrants repaired or replaced.

## Mayfield Heights Fire Department – 2015 Annual Report

### FIRE HOSE:

This year we tested 2400 feet of 5-inch hose, 800 feet of 3-inch hose, 2250 feet of 2-1/2 and 2000 feet of 1-3/4 fire hose. All of this hose is tested to the manufacturer/NFPA standard. These pressures are found on the fire hose itself all hose tested in 2015 did pass hose testing this year.

Hose testing is done in the months of June through August. All hose testing should be completed no later than August 31. All Fire hose is inspected for any damage or wear and tear. Any fire hose found having any damage or excess wear and tear should be repaired or replaced at this time. Each shift is responsible for inspecting and testing an equal amount of hose.



This year we had two sections of 1 ¾ hose destroyed while fighting a semi-truck fire on I-271 in Highland Heights. The department was reimbursed for both sections of hose.

The GHT-15 gasoline –powered hose tester has again proven its worth for three years straight.



## Mayfield Heights Fire Department – 2015 Annual Report

### SMALL TOOLS AND EQUIPMENT:

In an effort to maintain the small tools that are carried on each truck, each shift is assigned one specific truck and required to maintain all of its hand tools. This method enables the department to split the workload evenly between each shift and provides the opportunity to track which shift maintained a specific tool and what maintenance was required or performed. As needed, each tool is sanded, painted, and oiled. In 2015 the fire department did not have to replace any small tools.



The power tools are maintained on a weekly basis, ensuring that the tool is clean, well lubricated, and starts easily. The fuel level must be full at all times and all oils must be maintained at a full level. The switch to the advanced formula ethanol-free fuel has proven to be a positive change for the performance of the power tools. The fire department purchased an electric Tempest power blower at the end of 2015. This piece of equipment will help us remove heat, gases, and smoke from the interior of a burning structure without introducing any toxic fumes that would be created from a gas blower.

With proper maintenance and early detection of any possible problems, these tools should give us years of trouble-free operation.



## Mayfield Heights Fire Department – 2015 Annual Report

### MAYFIELD HEIGHTS SELF CONTAINED BREATHING APPARATUS (SCBA) AND BREATHING AIR SYSTEM – 2015 YEARLY REPORT BY: FIREFIGHTER JOHN KRAUS

#### SCBA

The Department's 24 SCBA units have been in service for approximately eight years and are in good working order. Required annual flow-tests on these units were completed on September 2, 2015. This equipment should meet the needs of the Department for several years to come. Our Department has 52-4500 psi air cylinders for use with the SCBA units - these cylinders were hydrostatic tested on March 14, 2013 by ABCO Fire Protection, Inc. The next scheduled test will be in 2018.



Every member of the Fire Department who is assigned to fire suppression duties is issued their own SCBA face piece; additionally, five face pieces are located on responding apparatus. All SCBA face pieces successfully completed the required annual testing conducted by Fire Force Inc. on September 2, 2015.

#### Breathing Air Systems

The "in-house" breathing air compressor, air storage system, and fill station are a regional resource with all costs shared equally between nine communities in the Hillcrest area. The



system is currently serviced by Breathing Air Systems and the required air quality testing is also conducted by Breathing Air Systems. The most recent analysis was completed on December 4, 2015

and meets guidelines for CGA D (G-7.1, 2004). Also, preventive maintenance was conducted on the breathing air compressor on December 4, 2015. Report reads that the compressor performed well and the technician also advised that the cascade needs to be hydro-tested this coming

## Mayfield Heights Fire Department – 2015 Annual Report

### **TRI-COMMUNITY EMERGENCY RESPONSE TEAM (CERT). COMPLETED BY: PAUL BERNE, EXECUTIVE DIRECTOR**



Of 72 members (including our 7 new graduates) listed on our roster, 55 members participated in at least one event or training during the year.

Our team devoted 1044 hours in training or volunteer efforts (compared with 865 hours in 2014):

Our team logged 668 hours of training and 193 hours of community service.

**2 members volunteered 8 hours in a real code-red activation (MV evacuation center- set-up & staff during a gas main rupture).**

The remainder of hours (183) was devoted to board meetings, training team meetings, training preparation, and administrative activities.

**Trainings** included: CERT Basic Training (graduating 7 new members); Blood Borne Pathogens; GPS; Pilot Radio Class; Skywarn Weather Spotter; CPR; Summertime First Aid Refresher; Code Red Test; Katrina/Joplin and other Mass Fatalities; FEMA online courses in IS-100,200, active shooter, animals in disaster, National Response Framework; and a Service Animal Video.

**Community Service** volunteer events included: MIPOD meeting; St. Paschal's Spring Fling; Mayfield Village Cruise Night; Mayfield Heights 5K Run; Mayfield Village Fireworks; Mayfield Heights Unity Days; MV Debbie Hudacko Annual Run; Hillcrest Hospital POD Drill; Hillcrest Hospital Mass Casualty Drill; Highland Heights Unity Day; Cleveland Hopkins Mass Casualty Drill; and Girls on the Run 5K Run.

30 members have taken the Loyalty Oath to the United States.

## Mayfield Heights Fire Department – 2015 Annual Report

### Supplies:

The team procured and distributed to members:

Whistles, Break-away lanyards, Purell bottles with holders for backpacks, and personal water bottles to cut down on our plastic pollution.

Captain Linsky of MHFD donated many expired supplies for training purposes

Goals: Recruit more members (would love to have members from our City Councils).

Do community outreach programs on safety.

Procure more first aid supplies, new radios, evacuation/shelter supplies, small pop-up tent.



## Mayfield Heights Fire Department – 2015 Annual Report

### MAYFIELD HEIGHTS HILLCREST TECH AND RESCUE TEAM 2015 YEARLY REPORT BY: DIRECTOR LT. RYAN PROCOP



### HILLCREST TECHNICAL RESCUE TEAM

Established 1995

Serving the communities of: Beachwood, Gates Mills, Highland Heights, Lyndhurst, Mayfield Heights, Mayfield Village, Pepper Pike, Richmond Heights, and Willoughby Hills

The Hillcrest Technical Rescue Team continued operating as the provider of specialized rescue services for the Hillcrest area communities and worked in conjunction with the Heights Area Special Rescue Team. The two teams provided reciprocal services to the Chagrin/Southeast communities in turn for their Hazardous Material response capabilities. In addition to local training and emergency responses, the Hillcrest Technical Rescue Team worked closely with the Ohio Region 2 USAR Strike Team and the Ohio Region 2 Water Rescue Team.

There were a total of 12 team call outs in 2015. 4 structural collapse calls, 3 requests for swift water operations, 1 dive call, 3 calls involving Rope Rescue, and one Water operation that became a wide area missing person search. Two incidents in particular received local news coverage and national media attention. The Rescue Team was involved in the rescue of a dog and his owner that were trapped at the bottom of a ravine. The dog was one of the mascots depicted on the bottle of the 12 Dogs of Christmas from Thirsty Dog Brewery. Additionally, the Rescue Team was involved in the rescue of multiple dogs trapped in a flash flood situation in Russell Township.

Monthly training sessions are the main source of drill evolutions and new technique or equipment training. The Rescue Team conducts training one week of every month. The majority of these training sessions are conducted with the Heights Area Rescue Team. These joint trainings provide continuity in emergency response operations as well as equipment familiarity. The Hillcrest Technical Rescue Team members participated in a total of 1296.5 man hours of scheduled monthly training. In addition to these scheduled drills, team members participated in a multitude of outside training opportunities. Some of these outside opportunities included a swift water course in Indiana and an International Dive Rescue Conference. Both of these training sessions were reimbursed through grant opportunities.



## Mayfield Heights Fire Department – 2015 Annual Report

The Hillcrest Technical Rescue Team will continue to strive for technician level training for all members and will commit to 100% operational readiness. Skill based training and equipment advancements will allow the Hillcrest Technical Rescue Team to be able to effectively, efficiently and safely mitigate a wide array of special rescue incidents.

A special note of appreciation to the Hillcrest Area Fire Chiefs for their continued support of this team. Without the backing of this organization, none of this would be possible.



## Mayfield Heights Fire Department – 2015 Annual Report

### **MAYFIELD HEIGHTS HILLCREST FIRE INVESTIGATION UNIT 2015 YEARLY REPORT BY: DIRECTOR SHAUN LUTZ**

The Hillcrest Regional Fire Investigation Strike Force is made up of 9 communities that annually fund a team of highly trained fire investigators for the purpose of determining the origin and cause of fires. The FIU unit has been in existence since 1997 and currently has a 15 person roster.

In 2015 the unit responded to 7 requests for the Hillcrest Regional FIU investigations:

1/30/2015	27100 Chardon Rd.	Richmond Heights
3/30/2015	27949 S. Woodland	Pepper Pike
3/31/2015	6126 Westerham Rd.	Mayfield Heights
6/21/2015	2058 Aldergate	Gates Mills
8/13/2015	1015 Westhill	Gates Mills
10/4/2015	418 Steven	Richmond Heights
12/3/2015	374 Longspur	Highland Heights

The Hillcrest FIU meets bi-monthly for two hours of case review and continuing education. This year we were able to replace some tools and equipment that were no longer serviceable and at the same time the new equipment's size and technology allows for a better fit to the new vehicle. The team is looking into new technology and researching new practices and to better our ability to detect the origin and cause of fires when called upon.

2015 was the first full year with the new FIU vehicle in full operations and it continues to be a very useful and supportive part of the FIU scene function. The vehicle has been used by victims of Fire as well as it continues to be a rolling tool box for the team's investigators.

**Mayfield Heights Fire Department – 2015 Annual Report**

**MAYFIELD HEIGHTS CHAGRIN/SOUTHEAST HAZMAT TEAM  
2015 YEARLY REPORT  
BY: DIRECTOR MARK VEDDER**



*Chagrin/Southeast Council of Governments*

*2015 Executive Board*

President	Fletcher Berger	Mayor of Bedford Heights
Vice President	Susan Renda	Mayor of Moreland Hills
Secretary	Charles	Mayor of Woodmere
Treasurer	Mark Cegelka	Mayor of Glenwillow
Fiscal Officer	John Veres	Glenwillow Village
Hazmat Director	Mark Vedder	Chagrin Falls Fire Department

*Proudly Serving the Communities of :*

<i>Bainbridge</i>	<i>Highland Hills</i>	<i>Richmond Hts</i>
<i>Beachwood</i>	<i>Hunting Vy.</i>	<i>Russell Twp</i>
<i>Bedford</i>	<i>Lyndhurst</i>	<i>Shaker Hts</i>
<i>Bedford Hts</i>	<i>Maple Heights</i>	<i>Solon</i>
<i>Chagrin Falls</i>	<i>Mayfield Hts</i>	<i>South Euclid</i>
<i>Cleveland Hts</i>	<i>Mayfield Vil.</i>	<i>South Russell</i>
<i>Euclid</i>	<i>Moreland Hills</i>	<i>University Hts</i>
<i>Garfield Hts</i>	<i>North Randall</i>	<i>Walton Hills</i>
<i>Gates Mills</i>	<i>Oakwood</i>	<i>Warrensville</i>
<i>Glenwillow</i>	<i>Orange</i>	<i>Woodmere</i>
<i>Highland Hts</i>	<i>Pepper Pike</i>	



# Mayfield Heights Fire Department – 2015 Annual Report

## [Hazmat Team Organization and History](#)

The Chagrin / Southeast Haz-Mat Response Team was formed in 1990 by the Chagrin/Southeast Council of Governments to assist Local fire departments in responding to incidents involving industrial chemicals.

The team has since evolved into a regional asset which responds 24/7 to incidents involving hazardous materials in transportation, storage, and industrial facilities. In addition, the team is responsible for responding with law enforcement and bomb teams to incidents involving drug synthesis labs, explosive labs, and potential terrorist incidents.

The team consists of 30 specially trained firefighters certified as Hazmat/WMD Technicians. In addition, five of our members are trained as Hazmat Specialist with intensive training in Rail Tank Cars, and/or Highway Cargo Tanks.

Every Hazmat Team member has completed hundreds of hours of training in chemical identification, instrumentation, packaging, chemical, and physical properties of materials, chemical protective clothing, spill control, and fire control.

In 1995, the team also began responding to Confined Space Rescues. The team purchased extensive technical rescue equipment and conducted training of all its members to the Confined Space Rescue Technician level to meet the challenge.

In 1999, prior to the events of September 11, 2001, the Chagrin/Southeast Haz-Mat Team began special Domestic Preparedness training for response to terrorist incidents. All of our team members are currently trained as WMD Technicians, and all of our team members have attended specialized federal training centers to learn about response to terrorist bombings, chemicals weapon attacks, biological weapons, and radiological attacks.



Since the terrorist attack of 2001, the focus of the team has changed. More than half of our training and much of our equipment is specific to terrorism response. Our team members have adapted well to this challenge and we along with our other haz-mat teams of Northeast Ohio. We have mutual aid agreements with Lake, Portage, Summit counties, Westshore Hazmat, and Southeast Emergency Response Team and have close working relationships with the City of Cleveland and Geauga County Hazmat Team.

## Mayfield Heights Fire Department – 2015 Annual Report

We continue to exchange service with the Hillcrest Technical Rescue Team and the Heights Area Special Rescue Team. We provide their communities with haz-mat emergency response and they provide our communities with technical rescue response.

This regional approach to hazmat and WMD response, as well as technical rescue, is cost-effective, maintains a high skill level and insures our communities are ready to respond.

In 2010, our team joined with the Cleveland Fire Hazmat Team, Southwest Emergency Response Team and the Westshore Hazmat and Technical Rescue Team to form a new Cuyahoga County Type 1 Hazmat/WMD Response Team. This team is made up of select members of each of the four teams who will respond to terrorism and large scale incidents throughout the State of Ohio.



In August 2010, the Ohio Hazmat Technical Advisory Committee conducted a Team Typing verification visit to inspect the four county hazmat teams and newly formed Cuyahoga County Type 1 Hazmat/CBRNE Response Team and serve as one of the specialized terrorism response teams in the Ohio Fire Emergency Response Plan.

The Chagrin/Southeast Hazmat Team was verified independently as an Ohio Type 2 Hazardous Materials Response Team by the Ohio Hazardous Materials and Decontamination Technical Advisory Committee. We are a regional response team for the Ohio Fire Emergency Response Plan.

### Current Operations:

Although, the team is governed by the Chagrin/Southeast Council of Governments, the day-to-day operations are run by the Hazmat Committee. It is comprised of the fourteen fire chiefs who serve the region, as well as the team coordinator and representatives from hospitals, police departments, and service departments.

The team is staffed with cross-trained firefighter/paramedics with an interest in hazardous materials and weapons of mass destruction emergency response. Each team member receives extensive training and participates in monthly training. Most members also attend specialized schools throughout the county each year.

When a fire department needs the special skills and equipment of the haz-mat team, they contact their dispatch center and the team is paged out. Various levels of response are available based upon the product and the nature of the incident.

## Mayfield Heights Fire Department – 2015 Annual Report

Team members use specialized detection and identification tools, including high tech meters and instruments. They wear chemical protective clothing and “suits” to allow the option of offensive tactics. They can utilize specially designed equipment for plugging, patching, neutralizing, collecting, stopping, reducing, or mitigating the hazard of the incident.



**MISCELLANOUS FIRE DEPARTMENT PHOTOS**



# Mayfield Heights Fire Department – 2015 Annual Report

