



Honorable Mayor and Board of Council  
City of Fort Thomas  
130 North Fort Thomas Avenue  
Fort Thomas, Kentucky 41075

April 4, 2011

In 2010, your Fire Department continued to provide excellent emergency services to our community. The numbers of runs we handled has increased from a total of 1,750 in 2009 to a total of 1,773 in 2010. The nature of the runs will be broken down as part of this report.

In addition to our traditional emergency Fire/EMS and Fire Prevention – Code Enforcement responsibilities, we have again endeavored to provide several value-added programs to our community. This report will identify those programs and explain their values.

Your department continues to take an active role in regional, state and national organizations dedicated to the delivery of quality services in public safety, the fire service, emergency medical services and emergency preparedness. We have continued to seek out and apply for grants to augment the efforts of the city to fund our activities and we have been successful in those efforts.

Finally, this report will no doubt identify those areas in which we need to improve our performance to better serve our customers, the citizens of Fort Thomas, as we look forward to the future.

We hope that this report explains in detail the efforts of our personnel over the past year. We would also take this opportunity to express our gratitude to the Mayor, Board of Council and Administration for their continued high level of support for the Fire Department.

Respectfully Submitted,

A handwritten signature in black ink that reads "Mark K. Bailey".

Mark K. Bailey, Chief



**PERSONNEL 2010**

**Fire Department Officers**



**Chief Mark K. Bailey**

1

2

3



[Captain Steve Lumpp](#)



[Captain Dale Cruze](#)



[Captain Greg Schultz](#)



[LT/EMT Dick Boothe](#)



[LT/P Chris Amon](#)



[LT/P Jeff Parker](#)



FF/P Steve Rath



FF/P Tammy Webster



FF/P Rick Daugherty



FF/P Chris Wulfeck



FF/P Chris Rust



FF/P Matt Stuart



FF/P Scott Shepherd



FF/P Mike O'Day



FF/P Mike Watson



FF/P Eric Scherpenberg



FF/P Kasey Carr



FF/P Josh Edmondson



**FORT THOMAS FIRE DEPARTMENT  
OFFICER/SHIFT RESPONSIBILITY ASSIGNMENTS**

**SHIFT 1**

CAPT./P STEVE LUMPP - FIRE TRAINING COORDINATOR  
LT./EMT DICK BOOTHE – INSPECTIONS/PRE-PLANS COORD, PHYS. FIT.  
- FACILITY COORDINATOR  
- SCBA MAINTENANCE  
FF/P STEVE RATH – EXTINGUISHERS, SCBA MAINT., RETIREMENT  
COMM.  
FF/P CHRIS WULFECK – FIRST AID/CPR PROGRAMS, SAFETY  
COMMITTEE  
FF/P SCOTT SHEPHERD – RADIOS & PAGERS  
FF/P ERIC SCHERPENBERG - FACILITY SUPPLIES, PRE-PLANS

**SHIFT 2**

CAPT./EMT DALE CRUZE – VEHICLE MAINTENANCE COORDINATOR  
- HOSE, HYDRANTS  
LT./P CHRIS AMON – INSPECTIONS/PRE-PLANS, PHYS. FIT, TURNOUT  
GEAR  
FF/P TAMMY WEBSTER – CAR SEAT PROGRAM, PHYSICAL FITNESS  
FF/P CHRIS RUST – SMALL ENGINES/EQUIPMENT  
FF/P MIKE O'DAY – PRE-PLANS  
FF/P KASEY CARR – PRE-PLANS

**SHIFT 3**

CAPT./P GREG SCHULTZ - FIRE PREVENTION/PUBLIC ED. OFFICER  
- INSPECTIONS COORDINATOR  
LT./P JEFF PARKER – INSPECTIONS/PRE-PLANS & EMS COORDINATOR  
FF/P RICK DAUGHERTY – PHYSICAL FITNESS  
FF/P MATT STUART – HAZ. MAT. TRAINING, SCBA MAINTENANCE,  
MSDS  
FF/P MIKE WATSON – EMS SUPPLIES, PRE-PLANS  
FF/P JOSH EDMONDSON – PRE-PLANS



**ADMINISTRATIVE SECRETARY**



**Elaine Henderson**



## **FROM THE CHIEF'S PERSPECTIVE : A YEAR IN REVIEW**



The year **2010** was again a very busy year for the **Fort Thomas Fire Department**. The following is a breakdown month-by-month of our major activities:

**January** – 140 total responses (structure fire – 33 Winding Way), 16 drills and 98 staff hours, major training-Company Officer Development Program. Fire Department Promotional written exams and peer reviews were conducted. The Fire Department also saw completion of the Fitness Room in the basement and renovations start for the construction of a new day room and Captain quarters on our second floor.

**February** – 127 total responses, 30 drills and 164 staff hours, major training-(EMS)CPAP training and structural fire techniques training at 2125 North Ft. Thomas Avenue. The Fire Department also completed the Promotional process via the oral interviews. The Promotional List will be in place until March 2012. We also participated with the Campbell County Office of Emergency Management and our schools with National Emergency Preparedness Month.

**March** – 129 total responses, 41 drills and 328 staff hours, major training-Radiation Class taught at St. Elizabeth Ft. Thomas and the Senior officers of our department attended a workshop on Crisis Management for Schools taught through Campbell Co OEM.

**April** – 146 total responses, 28 drills and 219 staff hours, major training-Hazardous Materials and Aerial Ladder Truck 610 training. In an effort to compliment our training curriculum, we had 3 personnel attend the Fire Department Instructor's Conference in Indianapolis. I also attended the EMS Educators Conference in Hebron.

**May** – 153 total responses, 14 drills and 144 staff hours, major training-Hospice and EMS taught by Hospice of the Bluegrass. Also, a number of our personnel either completed college classes and degrees or began summer classes to work on their respective degrees. Fire Department renovations were completed during the month. During the month, we also have applied for seven (7) grants. For the AFG (Assistance to



FF Grant-FEMA), we applied for a new pumper, gear lockers, and a regional grant for new radios (narrowbanding mandate-January 2013). For the Homeland Security Grant (KOHS), we applied for MDT software, 4 emergency warning devices (sirens), and the regional grant for new radios.

**June** – 152 total responses, 19 drills and 161 staff hours, major training-EMS - Stroke Training and Education provided by St. Elizabeth Ft. Thomas. Capt. Schultz also attended Kentucky State Fire School in Lexington where he instructed in the Public Education curriculum. The Fire Department also participated in the Recreation Department's Summer Park Program.

**July** – 122 total responses, 11 drills and 90 staff hours, major assignment for month-Fourth of July Parade and staffing the first aid station at the *Fourth at the Fort Celebration*. Major training-FEMA training video series on Fire Officer Development.

**August** – 155 total responses, 27 drills and 153 staff hours, major training-Respiratory Emergencies/Diseases and participated in the annual Eggs and Education Breakfast for the Fort Thomas City Schools. Also, two (2) personnel attended the State Firefighters Association annual conference in Lexington.

**September** – 158 total responses, 21 drills and 190 staff hours, major training-Medications Review, Drug Calculations and ALS Drug Therapy. Our department also participated in the annual 911 Memorial Service at the World Peace Bell, Blue Mass at St. Thomas Church and in the annual Touch-A-Truck at Tower Park.

**October** – **Fire Prevention Month** – 157 total responses, 21 drills and 276 staff hours, major assignment for month-Fire Prevention Public Education including the annual Smoke Detector Blitz. On October 22<sup>nd</sup>, the Fire Department took receipt of our new ambulance from Horton Ambulances, Columbus Ohio. Furthermore, the Fire Department received notification of a grant award from KOHS in the amount of \$85,500 for the replacement of four external warning devices (sirens).

**November** – 160 responses, 24 drills and 328 staff hours, major training-Reviewing the Campbell Co. Mass Casualty Trailer and Mass Decon Trailer located at the Campbell Co. Training Center. The Fire Department also worked with the Police Department on the implementation of the Taser Program.

**December** – 174 responses (structure fire – 93 Taylor), 24 drills and 143 staff hours, major training-new FD/PD Taser Protocols as well as Behavioral Emergencies and Patient Restraints. FF/P Chris Wulfeck attended the American Heart Association CPR conference in San Diego California. The information attained will be a tremendous asset to the monthly CPR program our department offers. The Fire Department also participated in the City Holiday Walk and the Recreation Department Breakfast with Santa.



As you can see, the year **2010** was a very busy and productive year for the **Fort Thomas Fire Department**.

In closing, the Fort Thomas Fire Department looks forward to 2011 in continuing to provide the utmost in protection and education for the citizens of the City of Fort Thomas.

Thank you Mayor Brown, Board of Council and Administration for all of your constant support.

### OUR "ACTIVITIES" THROUGHOUT THE YEAR

The Fort Thomas Fire Department responds to a diverse call volume. We have the routine smoke detector or CO alarm, emergency medical calls from motor vehicle accidents to cardiac, fire response from mulch to structure. Here are some of the more memorable responses from 2010.

On January 1 the department was dispatched for a structure fire. The photos show that while the fire was contained quickly to one room the damage was extensive. Notable



from this response is the fact that the 80 year female resident was assisted from the structure by an unknown passerby. The resident had attempted to first extinguish the fire, then called

911 from inside. In the time that passed doing so the normal means of egress was blocked by the fire and the smoke level in the residence was rapidly descending.





The secondary means of egress was by way of a steep set of stairs that were snow covered. The passerby noticing the fire went to check and found the resident at the door needing assistance. If not for his quick action the fire department, with four staff on duty, would have been faced with a rescue in addition to the working structure fire. The estimated loss from a candle catching a drapery on fire was \$120,000. This is an example of an incident where staffing could mean the difference between life and death.

The Hazardous Materials Unit was needed when a suspicious vehicle and substance were discovered at the Army Reserve Center. The location made a heightened awareness of a potential problem.



At right a technician takes a sample of the substance found in the parking lot.



The technician on the left analyzes the substance.



At right technicians are decontaminated

The department frequently receives requests to get cats out of trees. These requests are politely met with place food at the base of the tree or the cat will come down when ready. We try explaining the dangers, to both the animal and our staff, of climbing into a tree with an animal having claws and not wanting to be removed. On this particular occasion the resident laughed but explained you don't understand the cat has a leash on and is tangled high in the tree. We are afraid she will hang herself. This incident was the exception to the normal rule for sure. The department responded finding the cat 20' up in the tree with leash entangled. Staff was able to climb a ladder and release the leash from the collar without upsetting or attempting to remove the animal. A later call to the station thanked the staff stating the cat did indeed come down later in the day.



The departments rescue skills were tested in an accident on I 471 northbound when a vehicle went out of control and rolled coming to rest on its side.



The occupant was unable to escape from the vehicle. Our crews needed to stabilize, remove the vehicle roof and safely remove the injured victim.

At 0257 on a cold snowy December Morning the department was dispatched for a structure fire.



Arriving on the scene in 4 minutes from the dispatch the fire crew found heavy fire blowing from the structure. The crew was forced to use a defensive attack for nearly an hour before they could begin to enter and overhaul the structure. The fire

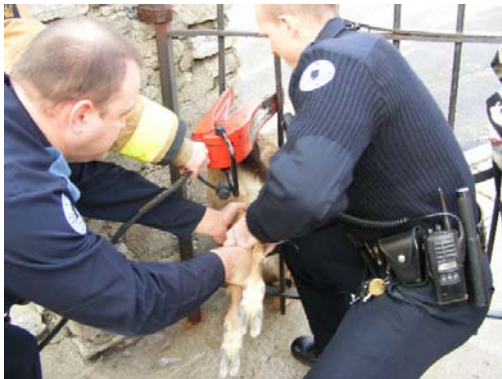


actually started outside and traveled into the residence. The homeowners were asleep just minutes before the fire department arrival. This incident again shows how rapidly fire starts and spreads throughout a structure. We were fortunate that the residents escaped prior to the fire department arrival. The pictures show the total destruction of this historic structure.



On December 31 the department was dispatched for an alarm at a local assisted living facility. While responding the crew was informed that smoke was showing in the third floor hallway. The crew found a small fire in a bucket in a closet caused by careless smoking. The events prior to the fire crew arrival created a favorable outcome to the situation. The limited staff working that evening was able to quickly identify where the alarm originated while the residents continued with a New Years Eve Party. On arrival at the room of the fire they evacuated the resident who argued the smoke in her apartment was from outside. The fire was actually in a bucket in a closet just inside the front door. Had the closet door been opened the resident could have been trapped in the room. One of the staff stayed in the area checking the adjacent room and directing the FD to the appropriate location while the other staff member went back to the party and kept the remaining residents calm and out of the way. This incident was a success due to ample staff and resident training. The fire department has assisted with training in the facility on several occasions. This training obviously paid large dividends.

On two separate occasions in 2010 the fire department was called to assist with deer stuck in wrought iron fences. It is difficult to approach a frightened trapped deer with sharp hooves. The police and fire departments worked together to free the animals virtually unharmed. A hydraulic spreader was used to open the iron fence enough to allow the deer to escape. These incidents occurred in the Tower Park Area at five o'clock in the evening while many children and adults watched.



In October the firefighters showed support for breast cancer awareness with the purchase of pink shirts. A portion of the profits went to research. The shirts worn by the firefighters on duty increased awareness.





## GRANT PROCESSES

The fire department has taken an aggressive approach to funding programs and equipment from sources outside of the city budget process. Funding requests have been pursued through The American Automobile Association, Fireman's Fund Insurance, Wal Mart, The St Luke Foundation, private businesses, Kentucky Homeland Security and The FEMA Assistance to Firefighters Grant Programs. The department has not only sought funding for projects solely benefiting the Fort Thomas Fire Department but for regional projects benefiting the entire Campbell County Community. We have worked cooperatively with other departments and governmental agencies to ensure successful funding requests.

<b>Grant Requests Awarded 2001-2010</b>						
year	source	request	award	match	total	match
2001	AFG	PPE (gear)/SCBA	\$56,700	\$5,670	\$62,370	10%
2001	AFG	prevention programs/props	\$41,790	\$4,170	\$45,960	10%
2003	St Luke	EMS training	\$3,500	\$0	\$3,500	0%
2002	AFG	Training Room	\$56,279	\$5,628	\$61,907	10%
2005	AFG	1 TIC, RIT Pack, MDT	\$52,559	\$2,766	\$55,325	5%
2008	AFG	2 TIC	\$19,000	\$1,000	\$20,000	5%
2008	AFG	Regional Radio	\$263,156	\$65,789	\$328,945	20%
2008	Wal Mart	Rescue Randy	\$1,000	\$265	\$1,265	20%
2008	KY Fire Comm.	Elliptical Machine	\$4,000	\$0	\$4,000	0%
2010	KOHS	Warning Devices	\$85,500	\$24,000	\$109,500	22%
2001 -2009 Awards			<b>\$583,484</b>	<b>\$109,288</b>	<b>\$692,772</b>	

<b>Pending Grant Requests as of 12/31/10</b>						
2010	AFG	Radio Narrow banding	\$147,675	\$147,675	\$295,350	50
2010	AFG	Pumper	\$327,750	\$17,250	\$345,000	5
2010	AFG	Gear Lockers	\$8,075	\$425	\$8,500	5
2010	KOHS	CADD software	\$11,050	\$0	\$11,050	0
2010 Pending Awards			\$494,550	\$165,350	\$659,900	
Total 2001-2010 if all awarded			<b>\$1,078,034</b>	<b>\$274,578</b>	<b>\$1,352,672</b>	

The grants shown above are only the requests that have been awarded. The department has submitted numerous other requests that have gone unfunded. We have received funding for Rescue Randy, Self Contained Breathing Apparatus, Personal Protective Equipment, Thermal Image Cameras, outdoor warning sirens, Mobile Data Terminals, Public Education Props and programs, physical fitness



equipment, EMS training manikin, radios, a repeated second radio channel, training room remodel, training aids. Two of the “Radio” Grant requests shown above are countywide applications with the match being made by other entities. Fort Thomas FD was the sponsoring agency/grant writer only. The fire department also assisted in the writing of a 2007 grant request totaling nearly \$400,000 for a countywide mobile burn trailer. This request was successfully funded by FEMA AFG. The KOHS Warning Device Request was for four outdoor sirens. Three are located in Fort Thomas and one in Wilder. Campbell County was the sponsor agency but the grant was researched and written by Ft Thomas Fire Department.



## PROFESSIONAL AFFILIATIONS ACTIVITIES

### National

- **Fire Department Instructors Conference**
- **National Fire Protection Association**
- **International Association of Fire Chiefs**
- **International Association of Fire Fighters**

### Statewide

- **Kentucky Firefighter's Association** – Captain Schultz and FF/P Mike O'Day, Jr. attended the annual conference in Lexington Kentucky. Capt. Schultz teaches regularly at their annual school.
- **Kentucky Association of Fire Chiefs** – Chief Bailey is an active member of this organization.
- **Kentucky State Commission on Fire Protection, Personnel Standards, and Education** – Chief Bailey, Captain Lumpp, and Capt. Cruze maintain a close working relationship with this organization relative to the tracking of fire service training hours for our personnel.
- **Emergency Medical Services Educators of Kentucky** – Chief Bailey is an active member of this organization.
- **Kentucky Board of Emergency Medical Services** – Chief Bailey and Lieutenant Parker maintain a close working relationship with this organization and continue to monitor Kentucky's Administrative Regulations 202 KAR Chapter 7 and Kentucky Revised Statutes, Chapter 311A, covering all aspects of Emergency Medical Service throughout the Commonwealth. Chief Bailey was the first chairman of this Board organized in September 2000.
- **Kentucky Ambulance Providers Association** – Chief Bailey serves on the Legislative Committee.



## PROFESSIONAL AFFILIATIONS ACTIVITIES CONTINUED

- **Kentucky Emergency Medical Services Academy** – Chief Bailey serves as chairman of this organization and assisted in formulating the curriculum for the Paramedicine Associate Degree Program offered through Western Kentucky University and Bowling Green Community College.
- **Kentucky Community and Technical College System** – Chief Bailey continues to serve as an adjunct instructor for the EMS Evaluator Course taught through KCTCS and the Kentucky Board of Emergency Medical Services and Lieutenant Parker currently teaches through the State Fire Rescue Training Division.
- **Green River Fire Officers School** – Captain Schultz serves as an instructor in Fire Prevention – Public Fire Education at this prestigious school.

### Regional

- **Northern Kentucky Hazardous Materials Unit** – Agency that provides Hazardous Materials response capability for the Northern Kentucky Region. Chief Bailey was on the steering committee that formulated this unit. FF/P Stuart is the team leader for the Campbell/Kenton County Unit and FF/P Carr is a members of this team. Capt. Schultz and FF/P Rath serve on the Decon Team for the Haz Mat Team.
- **Greater Cincinnati Hazardous Materials Unit** – Agency that provides Hazardous Materials response capability for the Greater Cincinnati Region.
- **Tri-State Emergency Association** – Association that acts as a forum for Police, Fire, EMS and Emergency Management Offices in the region to share information and contacts through quarterly meetings.
- **University of Cincinnati** – Our department serves as a practical training site for Paramedic Interns.
- **Cincinnati State Technical and Community College** – Our department serves as a practical training site for both Fire and Paramedic Interns.



## PROFESSION AFFILIATIONS ACTIVITIES CONTINUED

- **Northern Kentucky Firefighter's Association** – This is a regional association with Chief Bailey serving on the Radio Committee, Captain Schultz serving on the Fire Prevention Committee and Lt. Amon serving on the RIT Committee.
- **Northern Kentucky Fire Inspectors Association** – Captain Schultz serves actively with the association.
- **Northern Kentucky EMS Advisory Committee** – Chief Bailey and Lieutenant Parker currently serve on the ALS sub-committee.
- **Campbell County Firefighter's Education Association** – Chief Bailey currently serves as the Chair of the Radio Communications Committee, Captain Schultz is the Vice-President and serves on the Public Education and Radio Committees, Lt. Amon servers on the Firefighter Safety Committee, FF/P Stuart on the Haz-Mat Committee and Firefighter/Paramedic Rath servers as Secretary for the organization.
- **Campbell County Consolidated Dispatch Board** – Responsible for the operation of Public Safety Answering Point for Campbell County 911 Emergency Dispatching. Chief Bailey serves on Board of Directors as the Finance Chair.
- **Northern Kentucky Emergency Services School** – Captain Schultz, Lieutenant Parker and Lieutenant Amon served on the faculty.
- **Northern Kentucky Fire Officer Training School** – Chief Bailey and Captain Lumppp served on the faculty.



## **PUBLIC FIRE SAFETY EDUCATION PROGRAMS**

### **Safety Inspections/Code Enforcement**

A critical component of fire prevention is inspection and enforcement. The Fort Thomas Fire Department inspects assembly, educational, multi family dwellings, and businesses. The goal of this program is to provide a safe environment for the public and to encourage a fire safe attitude with owners. In addition to the enforcement of codes, the inspection process tends to be an educational effort with these owners. The ability for the public to recognize problems and protect themselves is particularly important to fire departments with lower staffing levels like Fort Thomas.

In 2010 efforts to complete inspections were hampered by limited staff due to injuries and temporary assignments to other tasks. The department became aware of the limitation early in the year and began a focused approach to the inspection process. Our efforts were directed toward Assembly Facilities. Included are schools, churches, bars and locations where large numbers gather. Licensed facilities like daycares, medical facilities and nursing homes were also addressed. This made the daunting task of overall inspections manageable and achievable.

During the process some measurable accomplishments were noted. A local church serving lunches was encouraged to install fire protection devices to protect the historic structure and protect the lives of the children in a daycare in the same facility. Another contact with a local business encouraged him to clean his hood system over an oven. On completion of the cleaning the owner called and thanked the department for the violation. He stated he knew it needed to be done but was procrastinating. He found the cleaning not only made the facility safer but dramatically improved the oven efficiency.

Company Inspections were performed at many of the larger facilities like nursing homes. This allowed for the safety inspection to be performed while training our staff on various safety features or concerns of a facility. It also enables our staff to interact with the facility staff learning what each can expect of the other.

The focused approach in 2010 allowed for an achievable goal. Ultimately, we must focus greater time and manpower on the inspection process to ensure the safety of our residents and fire department staff that may be called to address problems after a tragedy occurs.



## **PUBLIC FIRE SAFETY EDUCATION PROGRAMS CONTINUED**

### **Fire Prevention Education**

Safety Education for residents of all ages in the City of Fort Thomas continues to be a focal point for the fire department. It is always difficult to gauge the success of such programs. The Fort Thomas Fire Department has been active with our professional educators since 1996. We believe this cooperative approach has proven itself with no accidental loss of life due to fire in that timeframe.

Risk Watch and Learn Not to Burn Curriculums are still being used in many of the elementary school classrooms. Students in grades K through 5 are exposed to information preventing injuries and fatalities. These programs are designed to teach individuals to take responsibility for their own safety. Students on these grade levels total approximately 1300. The fire department provides many support services to the professional educators that assist us in teaching these lifelong values.

Hazard House, a tool purchased with a 2002 Fire Act Grant, gets use at various classroom and safety fair events. This educational aid is interactive and easily adapted to audiences of all ages. The presenter is guided through a "doll house" setting and with the help of the audience corrects various hazards that exist in the home. Hazards include installation of smoke detectors in the correct location, electrical safety, carbon monoxide, storage problems, cooking and security devices. Planning your escape, calling 911, gun safety, pool and playground safety can all be incorporated into a presentation. Approximately 350 individuals were exposed to this teaching aid.



Our Sparky Robot visited with 480 students at facilities. Sparky also visits with the public on the front ramp some evenings. At left, FF "Sparky" assists with a a tour of a local daycare facility. Sparky provides a unique tool to reach small children that are more willing to listen to messages from figures that they relate to. Sparky sings and provides the children a fun atmosphere in which to learn.



Numerous presentations were made at facilities and at the station on stop drop and roll, firefighter gear, apparatus tours, and senior citizen safety with student participation of 3283. These presentations are made to schools MOMS Groups, Scouts and parents that just stop by with young children. A presentation at The Barrington provided almost immediate positive results. On New Years Eve a fire occurred in an apartment while a party was taking place in the lobby. Staff and residents responded appropriately to avert a possible tragedy. The staff safely removed a person from the area of the fire, kept the residents calm and directed the fire department to the area needed.

The fire department continues to assist Ms. Debbie Hammel with the Highlands Middle School Life Skills Class. The fire department visits the school to teach CPR/First Aid.



Above,  
FF/P Sherpenberg instructs proper CPR Techniques.

The Campbell County Safety House is a full size mobile trailer used to give hands on training to students and adults on home safety and escape. The students initially tour the trailer and are given instructions on



various safety messages in an environment familiar to the students.



The instruction is hands on and very interactive. While the spaces are small the rooms are realistic and furnished as they would be in a home. Lessons include safety in the kitchen around the stove, microwave cooking, kitchen appliance safety, fireplace, safe candle practices, the sound of alarm and means of escape. The



highlight of this tool is the ability to fill the area with simulated smoke and have the occupants



practice crawling low to an exit and escape as we have discussed. This provides the ultimate in learning experience.

This equipment owned by the Campbell County Firefighters Educational Association trained approximately 500 persons in Ft Thomas in 2009. The CCFEA provides all maintenance and insurance for this mobile training aid. All departments are asked to do is fuel the truck and clean the house on return. This is an excellent cooperative project among all fire departments and the Campbell County Fiscal Court.

Groups from elementary schools, scout troops, daycares, and MOPS Clubs tour the fire department facilities. During these tours students and adults are shown the apparatus, living quarters, equipment firefighters wear and use on emergency runs. Each tour offers the opportunity to teach safety. A short film titled "Be Cool about Fire Safety" featuring Gilbert Godfry as a smoke detector is normally shown. While entertaining and fun the film conveys several valuable lessons. Approximately 402 people toured the station on 19 occasions.

The annual "Smoke Detector Blitz" is probably the most effective education the fire department performs. With the assistance of 13 Highlands High School Honor Society Students the 10 fire department staff was able to visit nearly 266 homes. Thirty Four Smoke Detectors, numerous batteries and educational materials were given to residents. Additional smoke detectors, CO detectors and batteries were installed at other times during the year as requested by residents. The detectors and materials are compliments of the American Red Cross. The American Red Cross provides the detectors and materials from corporate donations.



Above Honor Students @ 2010 Blitz.

Corporate donations are waning and we may need to seek alternative funding in the near future. The Red Cross is no longer able to provide the CO detectors due to funding restrictions. This year the Blitz visited homes on Highland Ave, Sweetbriar, Edwards, Wilburs, Highview, Lilac, Newman, Azalea Terrace. The local media through local television print gave us even wider coverage than the small neighborhood we could reach on





foot. We were able to encouraged many morning walkers to test/inspect their detectors while walking from door to door. Above students speak with residents.

In addition to the smoke detector blitz, the department participates in the International Association of Fire Chiefs “Change Your Clock, Change your Battery” Campaign. This project is a media blitz to encourage residents to change their smoke detector batteries twice each year at the daylight savings time changes.



The public has a continued interest in car seat inspections. FF/P Tammy Webster shows great dedication to this project. The 76 car seat inspection/installations performed in 2010 were scheduled around regular duties. Many were completed on evenings and weekends. Most parents and grandparents do not understand the complexity of these installations. Each installation takes 30 to 45 minutes. Like all other projects this one is to educate the parents on proper techniques and consequently the parent must demonstrate they can perform the installation. Tammy is the fire department’s only technician. The program requires 32 hours of classroom training and hand on experience to be certified.

The fire department initiated “supervised drills” in the educational and daycare facilities several years ago. The drills include fire earthquake, tornado and lock down. These drills allow emergency responders to see how a facility performs under emergency circumstances. The fire department is able to evaluate where students are placed on emergency notification. Performance of alarm systems and dispatch notification of alarm by monitoring agency are also evaluated. We are able to see where the staff will need assistance in an emergency or where staff could assist the FD. These drills have created a positive relationship between facilities and the fire and police departments. Several daycare facilities have indicated that some licensing agencies are asking for the reports for these drills.

Fort Thomas Fire continued our involvement in the Northern Kentucky Junior Fire Marshall Poster Contest. The Theme for 2010 was “*Smoke Alarms, A Sound You Can Live With*”. Classrooms from each of the schools created posters. The Grand Prize Winner is selected at random from the winners of all grade levels. This gives the kindergartner students a chance against fifth grade students. The Grand Prize Winner gets a \$500 Savings Bond. Locally our students submitted some impressive posters. We had over 500 posters submitted from Fort Thomas



Schools Grades K through 5. Denise Johnson from Channel 9 was the MC for this year's award ceremony held at the AMC Theater in Newport.

The department offers CPR and First Aid Classes each month at the fire station. FF/P Chris Wulfeck has coordinated this program for many years. The students pay \$30/person for CPR and \$40/person for CPR/First Aid. We attempt to schedule at least 6 persons per class to offset the costs for staff and materials. Last year 10 classes trained 62 persons in these life saving skills.

The fire department was able to access The Kentucky Fire Commission Fire Safety House for the Cities National Night Out Safety Fair held at Tower Park. This educational tool is formatted with a fun side for the kids and adults. The Fire Commission purchased the house and trailer in 2009. The unit is available is to fire departments for safety fairs and presentations throughout the state at no cost to the department. This educational tool is another example of a cooperative venture to control costs.



Captain Greg Schultz  
Fire Prevention/Public Safety Officer



## STAFF DEVELOPMENT

### **Fire Training**

When a person becomes a firefighter they embark on a career that involves constant training and being prepared for any emergency that could arise. The state of Kentucky requires that all professional firefighters attain a minimum of one-hundred hours of training annually. Fort Thomas Fire Department personnel exceed the minimum and in 2010 the average number of training hours earned per firefighter was one hundred twenty-four.

Many of our personnel are trained as Kentucky certified fire instructors. Much of our training is taught by personnel in the department teaching their shift or occasionally the department as a whole. Our instructors taught a total of 312 hours. These are hours that are spent in front of class delivering the material but do not include the preparation and research time getting a class together and preparing a lesson plan.

In addition to teaching our own firefighters, some instructors also teach outside of our department. Lt. Jeff Parker teaches many classes for other departments through the Kentucky Community and Technical College System (KCTCS); FF/P Matt Stuart teaches classes and oversees the training for the Campbell and Kenton Counties Hazardous Materials team; Capt. Steve Lumpf teaches a class on management theories for the Northern Kentucky Fire Officer Development program; and, Capt. Greg Schultz teaches fire prevention at several different fire schools in Kentucky. We are proud that Fort Thomas Fire Department is asked to share their knowledge with others through teaching.



One of the highlights of training for the year was using a house that was going to be demolished as a training prop. The house at 2125 North Fort Thomas Avenue was a typical residential structure with several features that also made it similar to commercial structures such as a metal flat roof and masonry walls. Additionally, there was an enclosed in-ground swimming pool which was used for portable pump training. We practiced search and rescue techniques and self-rescue techniques such as freeing ourselves from entanglements and breaching walls to move to a safer area. We also practiced ventilating flat built-up roof ventilation techniques and



breaching masonry walls. A lot of training was done at this house that we normally don't get to do unless we are on an actual fire scene.



**Training at 2125 N. Ft. Thomas Ave.**

We also had the chance to do training at some other acquired structures. With the new construction of Woodfill Elementary, the old parts of the school provided a great opportunity to practice large area search techniques and searching “maze-like” structures using search rope and hoses. One of our shifts also had the chance to practice live fire extinguishment at the restroom facility at Highland Park before it was demolished to build the new restroom facilities.

Firefighting and emergency medical care involve many aspects. Fort Thomas Fire Department personnel train on these different aspects. There are many types of emergencies with many different phases so being prepared to handle these is our goal and we accomplish this through training. The chart below shows all of the different categories of training that we trained in for 2010.





<b>Categories</b>	Administration & Organization – 86 hours
Fire Officer – 123 hours	Ventilation – 55 hours
Safety – 57 hours	Fire Investigation – 77 hours
Instructor Methodology – 2 hours	Ropes – 20 hours
Fire Alarm & Communications – 17 hours	Ladders – 3 hours
Fire Behavior – 5 hours	Fire Hose/Nozzles/Appliances – 62 hours
Fire Inspector – 14 hours	Fire Control – 40 hours
Portable Extinguishers – 1 hour	Emergency Medical – 683 hours
Building Pre-Planning – 34 hours	Rescue – 80 hours
Personal Protective Equipment – 29 hours	Water Supply – 29 hours
Firefighter Rescue – 21 hours	Hazardous Materials – 139 hours
Incident Command System/NIMS – 2 hours	Fire Prevention – 54 hours
Forcible Entry – 17 hours	Building Construction – 7 hours
Aircraft Crash Firefighting – 6 hours	Emergency & Disaster Planning – 187 hours
Aerial Operations & Maintenance – 39 hours	Pumper Operations & Maintenance – 148 hours

Occasionally our personnel attend classes and seminars that enhance their knowledge of firefighting and other emergency skills. This type of training provides unique opportunities to gain knowledge that may be brand new or presented from experts in the particular field. Below is a list of these types of training:

Green River Fire School	Capt. Greg Schultz
Crisis Management for School-Based Incidents	Chief Mark Bailey Capt. Dale Cruze Capt. Greg Schultz Capt. Steve Lumpp
Fire Department Instructors Conference	Lt. Jeff Parker
GCNK International Airport – Aircraft Firefighting	FF/P Chris Rust
Incident Responses to Terrorist Bombings in New Mexico	FF/P Kasey Carr



Greater Cincinnati Regional Arson & Fire Investigators Seminar	Capt. Schultz FF/P Rick Daugherty FF/P Matt Stuart
Northern Kentucky Fire Officers Symposium	Lt. Chris Amon
International Association of Arson Investigators – Scott County	Capt. Greg Schultz FF/P Rick Daugherty
Southwest Ohio FireHouse Software Users Group Meeting	Capt. Dale Cruze Capt. Steve Lumpp
Kentucky Homeland Security School – Instructing Basic Public Education	Capt. Greg Schultz

Some of our personnel have completed college degrees in fire science and public administration and some personnel are working on completing one of these degrees. FF/P Eric Scherpenberg is working towards his fire science degree at the University of Cincinnati and in the past year has completed some general education courses and a class in emergency and disaster planning. We also provide a place for students who are earning a degree in fire science to do a 120 hour internship program. We are one of the internship sites for Cincinnati State Technical and Community College.

In order to continually improve our response to emergencies the Fort Thomas Fire Department will always train on all types of emergencies and all aspects of an emergency. We are grateful for the many unique opportunities that we had this past year. We also look forward to more opportunities to provide realistic and valuable training in the future.

Captain Steve Lumpp  
Fire Training Coordinator





## Emergency Medical Services

In 2010, the fire dept. had a total 1,297 EMS incidents (including first response runs). This is an average of 3.5 responses per day. Of these, 81 runs (6.4%) were to locations outside of the city. We saw 1,241 patients with a median age of 70 years of age. The median response time for all calls for EMS service in the city limits was 3 minutes, and 89.9% were less than 5 minutes. Our median time on the scene for all EMS scenes was 12 minutes. We responded to 81 EMS incidents outside of the city. Over 92% of all the patients we transported were to our local hospital, St. Elizabeth, Fort Thomas.

Medical oversight continues under the direction of Dr. James Evans of St. Elizabeth Hospital. Lt. Jeffrey S. Parker, BS, NREMT-P is the EMS Operations/Training Officer. FF/P Mike Watson manages all EMS daily supplies. Chris Wulfecck coordinates the public CPR instruction. We have (17) state licensed Paramedics and (2) EMT Basics. Six (6) of our personnel are nationally registered paramedics – Lt. Parker, FF/Ps Daugherty, Rust, Carr, Scherpenberg, and Watson.

The department carries advanced life support equipment on the 2 engine companies as well as the ambulance. The department carries (5) defibrillators, (3) ECGs, (2) 12-lead ECGs, and (3) external pacemakers. A defibrillator is carried



on all vehicles except cars 650 and 631. The ambulance obviously primarily handles most all medical first responses. However engine 602 was the first responder for (93) incidents, and engine 601 performed response on (6) responses. Engine 601 provides advanced life support capability for out of the city fire mutual aid responses.

In November of 2010, we accepted delivery of a new, 2010 Horton Ambulance on an International chassis to replace the existing 12 year old unit. This new unit will insure a reliable response to all calls for service for years into the future. Much of the general design is similar to the existing unit. New features include modern safety items such as more visible rear striping, LED exterior lighting, additional controls in the patient care module, upgrades to HVAC, a smoother ride, additional head room, safer interior equipment and stretcher mounting, larger



exterior compartments, more efficient rear stretcher loading and unloading, and compliance to 2010 federal emissions standards. The 1998 unit was sold to neighboring Newport, Ky. Fire Dept. This year, a mass casualty supply tractor/trailer was put in service. This piece of equipment was purchased through a grant from the Urban Areas Security Initiative (UASI) of the U.S. Homeland Security

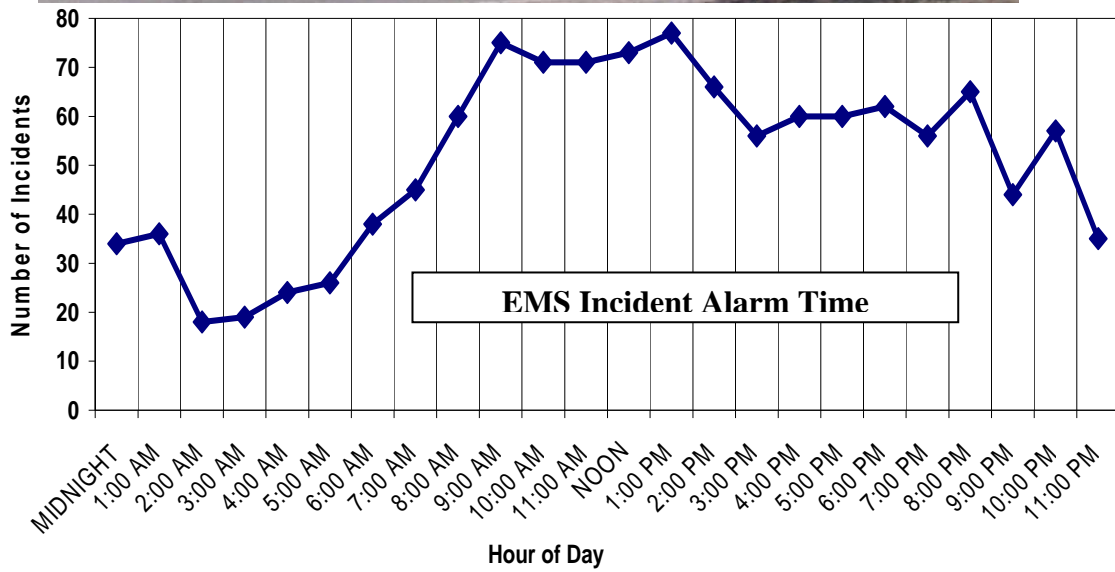
We continue to implement modern treatment modalities per Dr. Evan's direction. In January, a new protocol was added, and equipment was purchased to enhance treatment for respiratory patients with "Continuous Positive Airway Pressure" (CPAP). We have had good success with this new modality.

In June, we updated our operations involving active heart attack patients. We have started using the "Lifenet System", whereby our 12 lead ECGs are transmitted directly to a cardiac catheterization lab (cathlab) that we are transporting the patient to. St. Elizabeth assisted us by purchasing our (2) modems for our ECGs. We have this capability on the squad and our lead engine company.



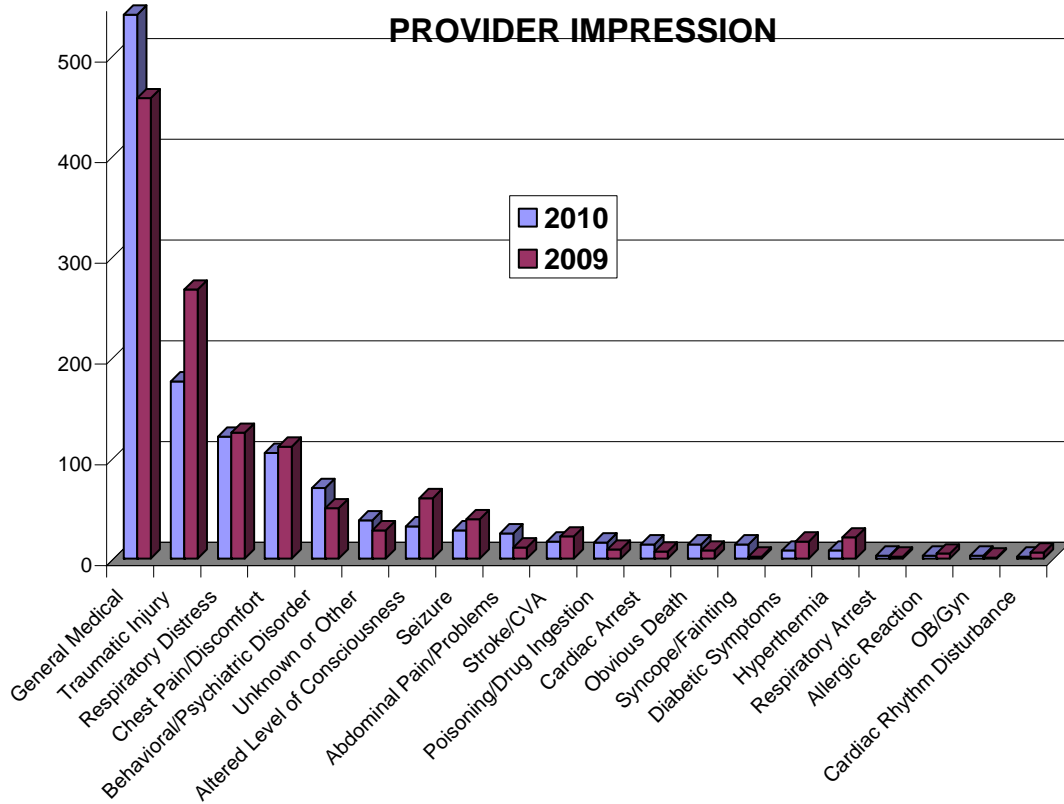
New Squad Committee: From L to R: FF/P Steve Rath, FF/P Mike Watson, FF/P Mike O'Day, Lt. Jeff Parker, FF/P Eric Scherpenberg, FF/P Chris Rust

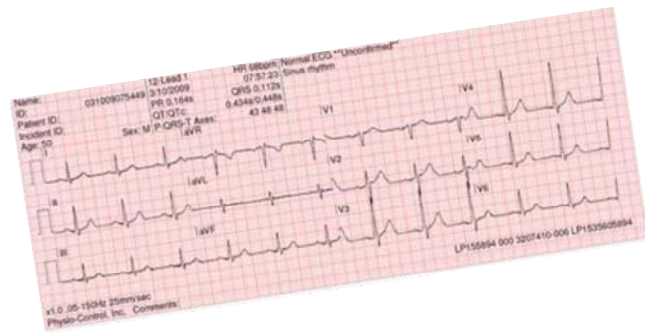
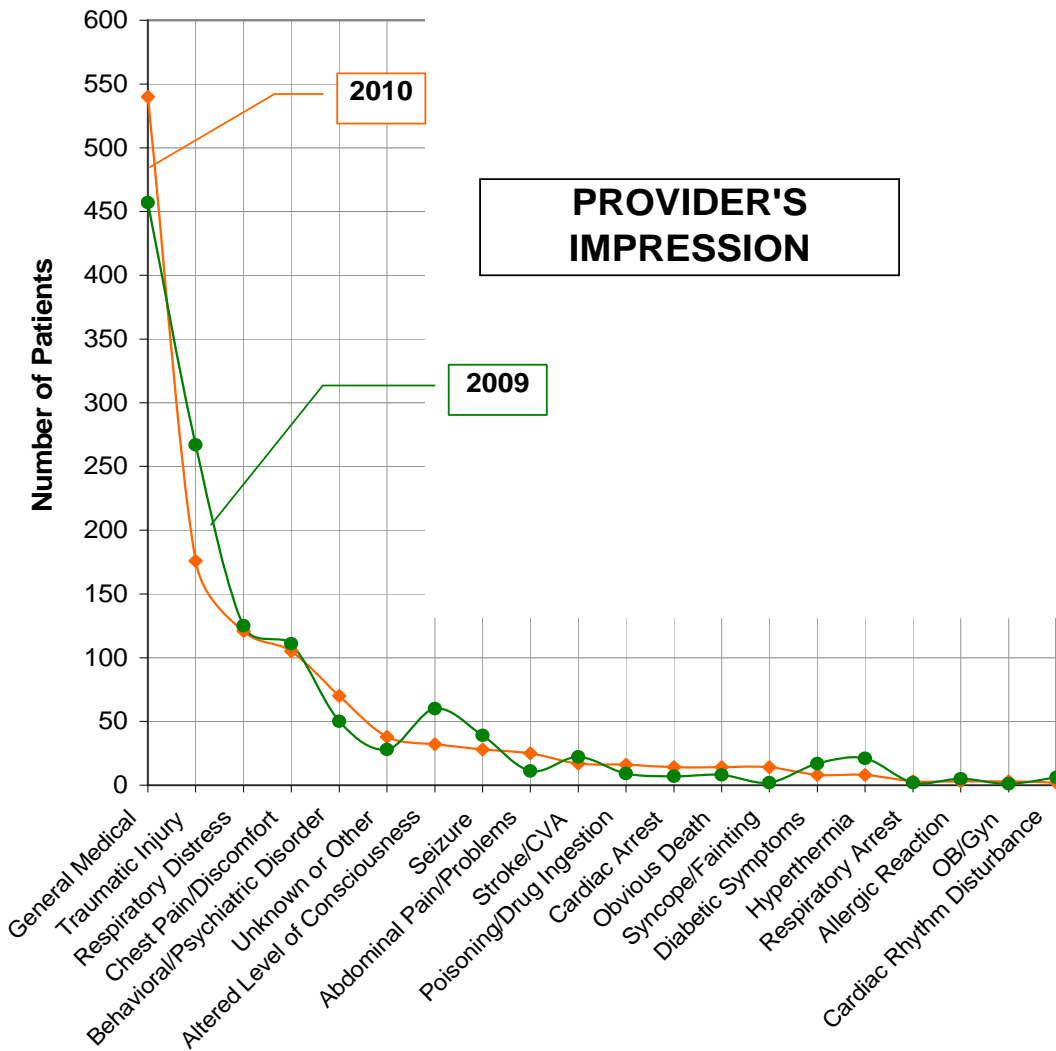






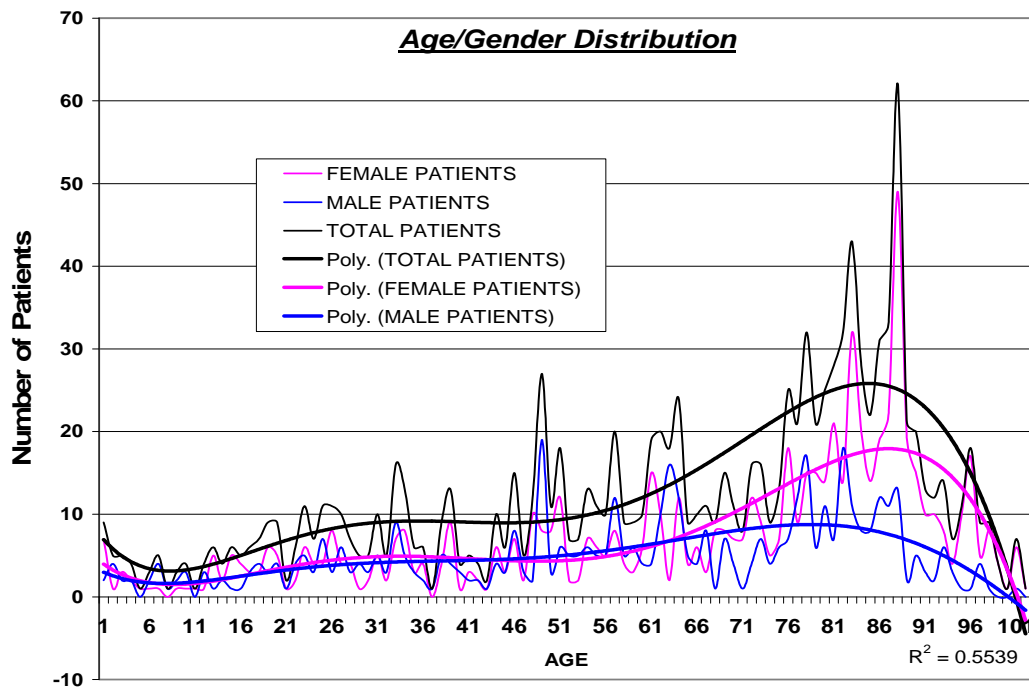
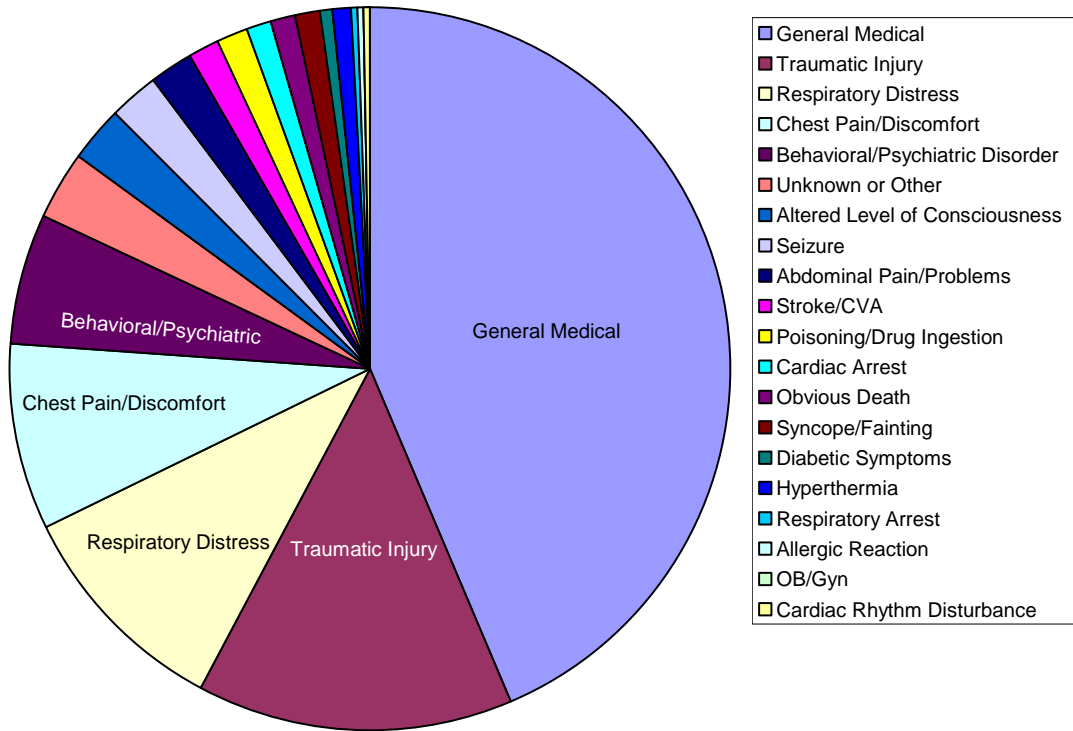
<b>PROVIDER IMPRESSION</b>			
<b>2010</b>		<b>2009</b>	
General Medical	540	General Medical	457
Traumatic Injury	176	Traumatic Injury	267
Respiratory Distress	121	Respiratory Distress	125
Chest Pain/Discomfort	105	Chest Pain/Discomfort	111
Behavioral/Psychiatric Disorder	70	Behavioral/Psychiatric Disorder	50
Unknown or Other	38	Unknown or Other	28
Altered Level of Consciousness	32	Altered Level of Consciousness	60
Seizure	28	Seizure	39
Abdominal Pain/Problems	25	Abdominal Pain/Problems	11
Stroke/CVA	17	Stroke/CVA	22
Poisoning/Drug Ingestion	16	Poisoning/Drug Ingestion	9
Cardiac Arrest	14	Cardiac Arrest	7
Obvious Death	14	Obvious Death	8
Syncope/Fainting	14	Syncope/Fainting	2
Diabetic Symptoms	8	Diabetic Symptoms	17
Hyperthermia	8	Hyperthermia	21
Respiratory Arrest	3	Respiratory Arrest	2
Allergic Reaction	3	Allergic Reaction	5
OB/Gyn	3	OB/Gyn	1
Cardiac Rhythm Disturbance	2	Cardiac Rhythm Disturbance	6

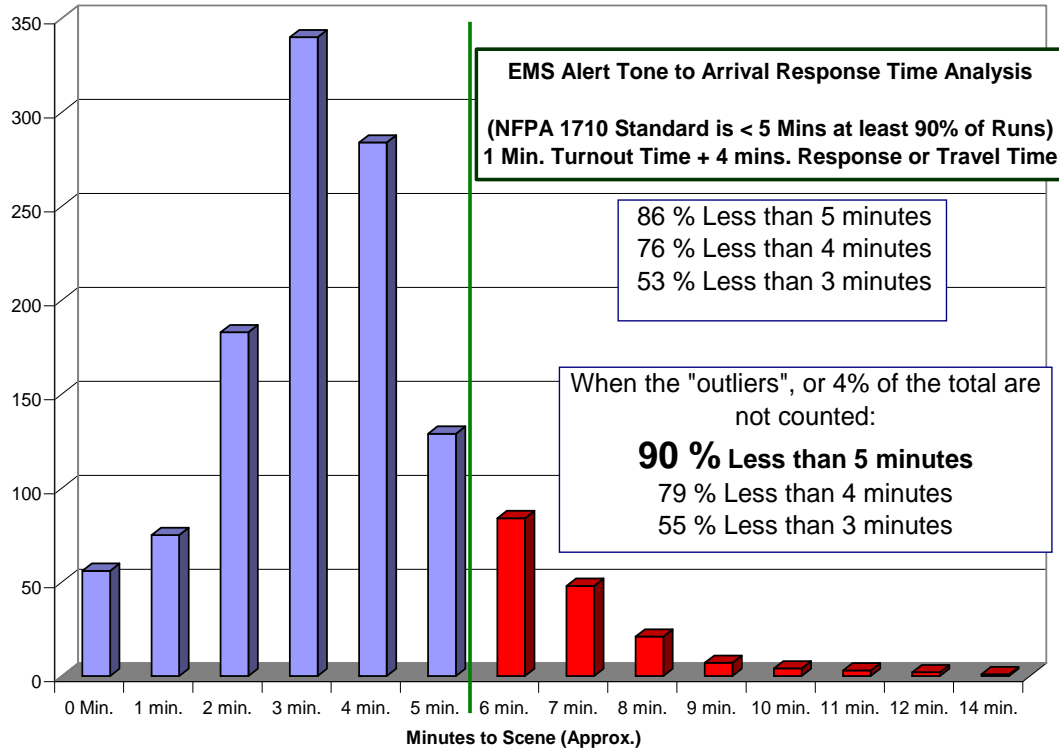






### PROVIDER IMPRESSION 2010





Our personnel keep abreast of current knowledge and skill through self-taught EMS classes on shift, monthly departmental classes, and regional seminars and workshops. In addition, our medics are encouraged to, and stay current by teaching significantly interdepartmentally, and to other agencies. Our personnel have maintained instructor level credentials and this enables our personnel to receive a balance of instruction from in house and outside the department.

Chief Bailey is a Kentucky Level III EMS Instructor and an AHA ACLS Instructor.

Lt. Parker is a Kentucky Level III EMS Instructor, an AHA ACLS Instructor, and an ASHI CPR Instructor & First Aid Instructor.

FF/P Rath is our senior Firefighter/Paramedic, an AHA ACLS Instructor, and a CPR Instructor.

FF/P Wulfeck is an ASHI Basic First Aid Instructor Trainer, and an ASHI CPR Instructor. Chris coordinates our public CPR and First Aid Instruction Program.

FF/P Stuart is an ASHI CPR and Basic First Aid Instructor.



FF/P Carr is an ASHI ACLS Instructor.

FF/P Webster is an ASHI CPR Instructor, and a certified Child Passenger Safety Technician by Safe Kids USA. Trauma prevention is one component of public EMS education. She installed 76 children's car seats throughout this year to enhance children's safety.

FF/P Scherpenberg is an ASHI ACLS Instructor.

FF/P Watson is an ASHI First Responder instructor.

<b>EMS TRAINING</b>						
	Total Number CLASSES	Total Hrs of TRAINING	Monthly Dept Training Hrs	Other Training Hrs	Avg. Tr. Hrs. per Member	Avg. Hrs. per Class
<b>2010</b>	<b>63</b>	<b>683</b>	<b>409</b> 59.90%	<b>274</b> 40.10%	<b>35.9</b>	<b>1.96</b>
2009	71	719	*415 57.80%	304 42.20%	37.8	1.88
2008	55	587.3	336.6 57.30%	250.8 42.70%	30.9	1.6
2007	78	776	*585 75%	191 25%	40.8	1.45
2006	89	713	402 56%	311 44%	37.5	2
2005 %	67	695	*448 64%	248 36%	36.6	2.25
*These higher figures reflect years where AHA ACLS recert was conducted in house.						



An example of a happy patient with a successful outcome - We received a visit from resident Mrs. Joyce Stang. She and her husband came to the station to express appreciation to our paramedics for the care she received on a run in June 2010. Mrs. Stang suffered unconsciousness as a result of a severe heart attack. Her caregivers initially were Josh Edmondson, and Eric Scherpenberg, with follow-up assistance by Matt Stuart, Chris Wulfeck, and Capt. Greg Schultz on the engine.





## EMS SEMINARS



In March, Carr, Daugherty, Edmondson, ODay, Rath, Capt. Schultz, Shepherd, Stuart, Webster, and Wulfeck attended the Air Care Mobile Care/University Hospital Continuing Education Seminar presented at Holiday Inn Eastgate, Cincinnati, OH. Topics included: "EMS – The State of the Science", recent studies, new equipment, cardiac treatment changes, major extremity trauma, blunt force, penetrating, burns, amputations, compartment

syndrome, vascular injuries, advances in uses & medication administration, advances in stroke treatment, advanced airway, helicopter use, critical incident psychological stress, and head trauma case studies.

In April, Chief Bailey attended the EMSEK annual conference. Topics included, EMS research, disaster medicine, toxicology, stress management, burns, hospice, and methodologies.

In May, Watson attended the Northern Kentucky Emergency Services School. Topics included mass casualties, preparatory, pt. assessment, medical patients, airway, and trauma patients.

In September, Lt. Amon, Lt. Boothe, Daugherty, Lt. Parker, Rust, Capt. Schultz, and Stuart attended the 5th Annual EMS Midwest Conference by University of Cincinnati College of Medicine, Department of Emergency Medicine, Department of Surgery, Division of Trauma and Critical Care, and the Department of Cardiology at the "Phoenix", Cincinnati, Ohio. Topics included: medical incident planning, important legal issues and case Studies, helicopter EMS, responder protection, HIV exposures, fitness, FF rehab, cardiology, hemorrhagic shock, resuscitation, tourniquets, and local EMS research projects.



In October, Carr, Lt. Parker, Rath, and Shepherd attended Cincinnati Children's Hospital 2010 Education Conference at M.E.R.C. Oak St. Cincinnati. Topics



included: general overview of present EMS issues, pediatric trauma and medical simulation case studies, emergent burn care, neurological emergencies, geriatric trauma, & resuscitation of the newborn.

In October, Chief Bailey attended the KBEMS 2010 Fall TEI & EMS Educator Update in Versailles, Ky. Topics included: "Maximizing Your Educational Influence", "The Future of EMS Education in Kentucky", TEI inspections, continuing education audits, TEI paperwork process, and accreditation issues.



In November, Capt. Lumpp, and Lt. Parker attended the University of Cincinnati/Hamilton County Fire Chief's Association Fire & EMS Officer Development seminar. EMS topics included, head trauma prevention, and ALS simulation devices Hospital.

In November, Carr, ODay, Rath, Shepherd, and Webster, attended the UK Trauma Symposium in Lexington, KY.



In December, Wulfeck attended the Emergency Cardiovascular Care Update in San Diego, California. Topics included community-based approach to resuscitation, approaches to managing cardiac arrests, New AHA

guidelines, issues in pediatric and neonatal resuscitation, CPR first/CPR fast, composite resuscitation teams, teaching ventilation to laypersons, witnessed choking and dispatch, innovations in resuscitation technology, using GIS, keys to successful mass training events, using social and traditional media to increase awareness, the "Outfitted" citizen and EMS Provider of the future.



Date	Instructor	Subject	Hrs.
1/20/10	<b>Lt. Jeff Parker,</b> FTFD Medic	<b>Pediatric</b> ALS and BLS. Airway, IO, Drug dosages & indications. Included neonatal resuscitation & general pediatric resuscitation.	2.25
2/17/10	<b>Tom Cahill,</b> Resp. Therapist	<b>CPAP (Continuous Positive Airway Pressure),</b> effects of, indications, contraindications, protocol, equipment, setup, and use.	2.0
3/17/10	<b>Lt. Jeff Parker,</b> FTFD Medic	<b>Heat Emergencies &amp; Firefighter Rehab</b> including team scene rotational practice.	1.8
4/21/10	<b>Matt Stuart,</b> FTFD Medic	<b>Hydrogen Sulfide &amp; Radiation detection.</b>	2.0
5/19/10	<b>Donna Sparks,</b> RN	<b>Hospice - process, general policies.</b>	2.0
6/16/10	<b>Lt. Jeff Parker,</b> FTFD Medic	<b>General operations,</b> including arrangement & disinfection of equipment. <b>Stroke</b> <b>Pediatric Supraventricular Tachycardia</b>	2.0
7/21/10	<b>Dr. James Evans,</b> Med. Dir. <b>Lt. Jeff Parker,</b> FTFD Medic	<b>EMS Operations, Chart Review.</b> <b>Transport destination policies. State EMS administrative regulations.</b>	2.0
8/18/10	<b>Chief Bailey,</b> FTFD Medic <b>Scott Shepherd,</b> FTFD Medic	<b>Respiratory Emergencies, CPAP.</b> Backup airway comparison - Combitube vs. the King Airway.	2.0
9/22/10	<b>Capt. Steve Lumpp,</b> FTFD Medic	<b>Pediatric Drug Therapy &amp; Calculations,</b> estimating weight, FTFD pediatric ALS protocols, dopamine calculations for adults.	2.0
10/20/10	<b>Pat Krogman,</b> ADPI Rep.	<b>Electronic EMS Reporting - ADPI</b> Intermedix reporting software webcast.	2.5
11/17/10	<b>Capt. Greg Schultz,</b> FTFD Medic	<b>Campbell County Mass Casualty Unit,</b> Equipment locations, use, and setup.	2.0
12/15/10	<b>Chief Bailey,</b> FTFD Medic <b>Lt. Jeff Parker,</b> FTFD Medic	<b>State and Local EMS issues.</b> <b>Taser Patients – Familiarization,</b> Policies, Protocol <b>Behavioral Emergencies and Patient Restraint</b>	2.0



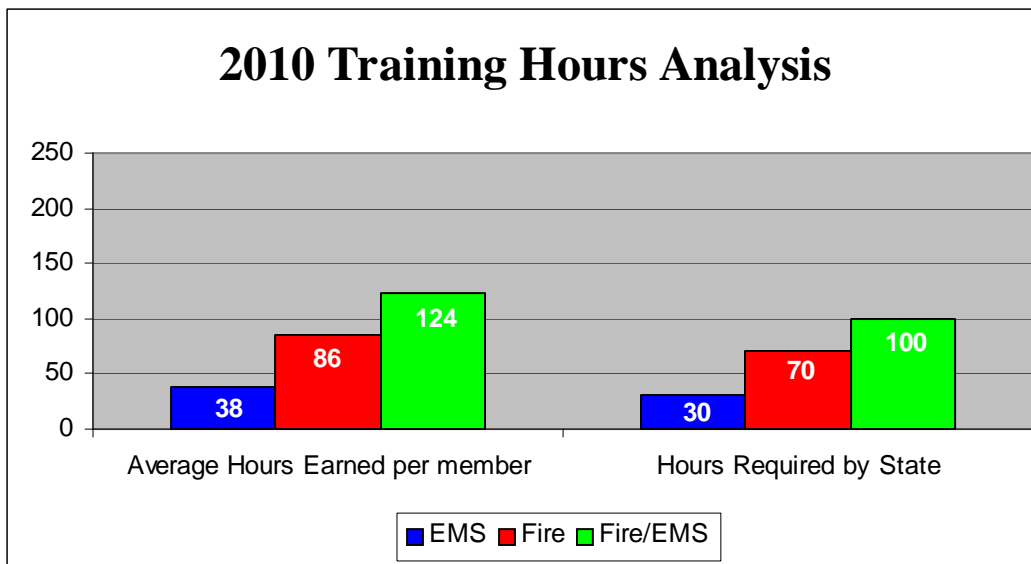
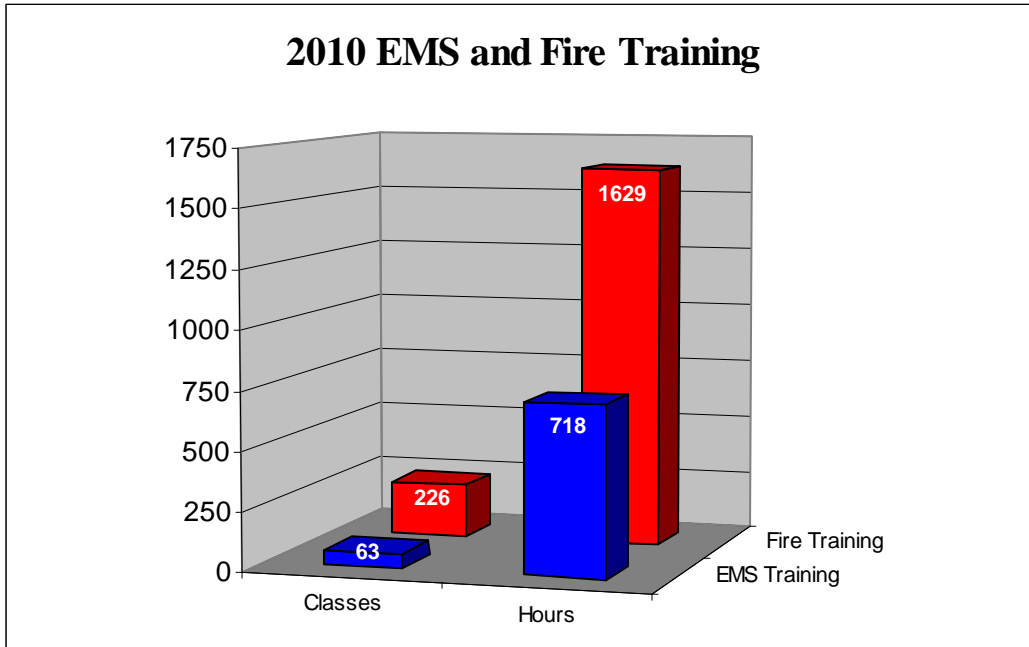
<b>TRANSPORT PROVIDER</b>	
Fort Thomas EMS Transported	952
Patient Refused Transport or No Service	199
Other Squad Transported	71
Coroner's Case	15

<b>TRANSPORT DESTINATION</b>	
St. Elizabeth Fort Thomas	876
Children's Hospital Cincy	24
University Hospital Cincy	10
St. Elizabeth Edgewood	31
Christ Hospital Cincy	12
Good Samaritan Hospital Cincy	5

Lt. Jeff Parker, BS, NREMT-P  
EMS Officer



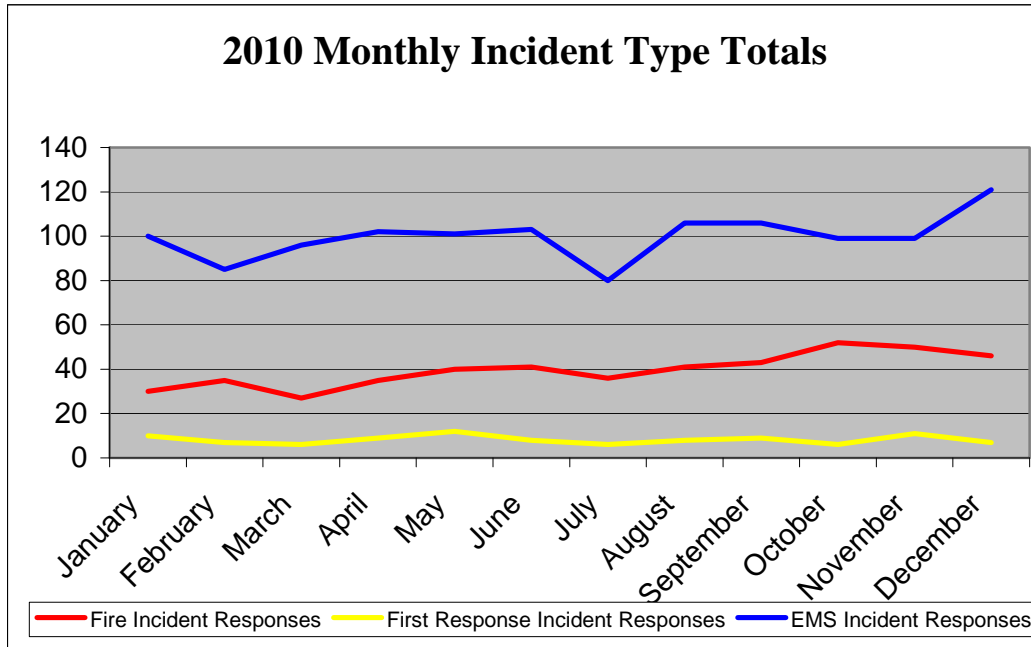
## STAFF DEVELOPMENT CONTINUED



As you are aware, we have requirements from the state for both Fire and EMS hours of training. Above you will see that we easily meet the requirements from the state for continuing education in both professions.



## FIRE INCIDENT RESPONSE DATA



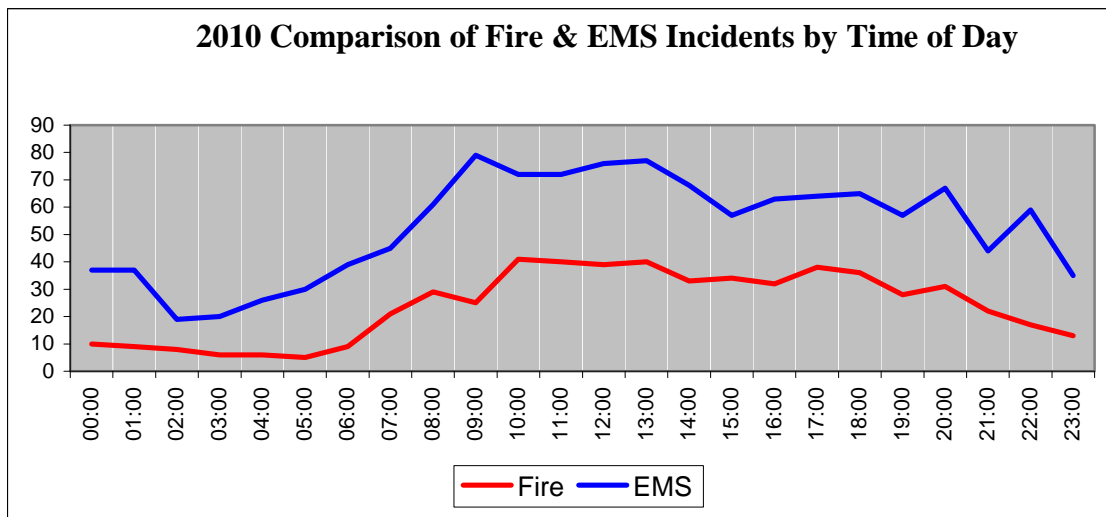
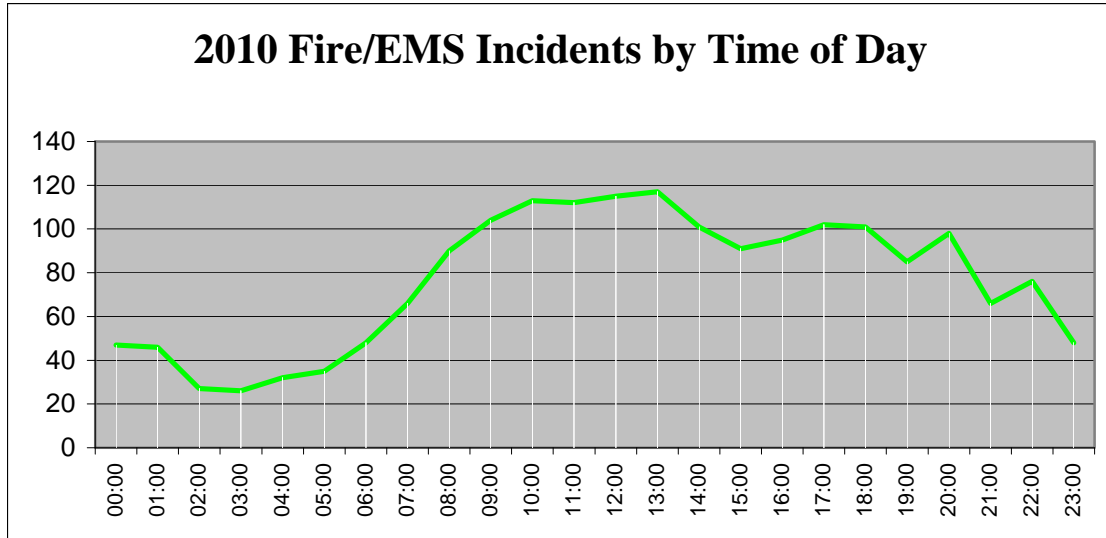
The graph above illustrates the number of responses per month by designated type for 2010. The yellow line represents first response runs, indicating our life squad was already out on another run. The red line represents fire/incident runs and the blue line represents life squad runs.

It is noteworthy that our run volume is fairly consistent with a slight peak in the summer months.

The next graph demonstrates all calls for service, fire/incident, first response and EMS by the time of day. This answers a question often ask about the busiest time of day for the fire department. Not surprisingly the spikes seem to be in the morning, around noon and early evening. These, of course, are also the busiest times for the general public.

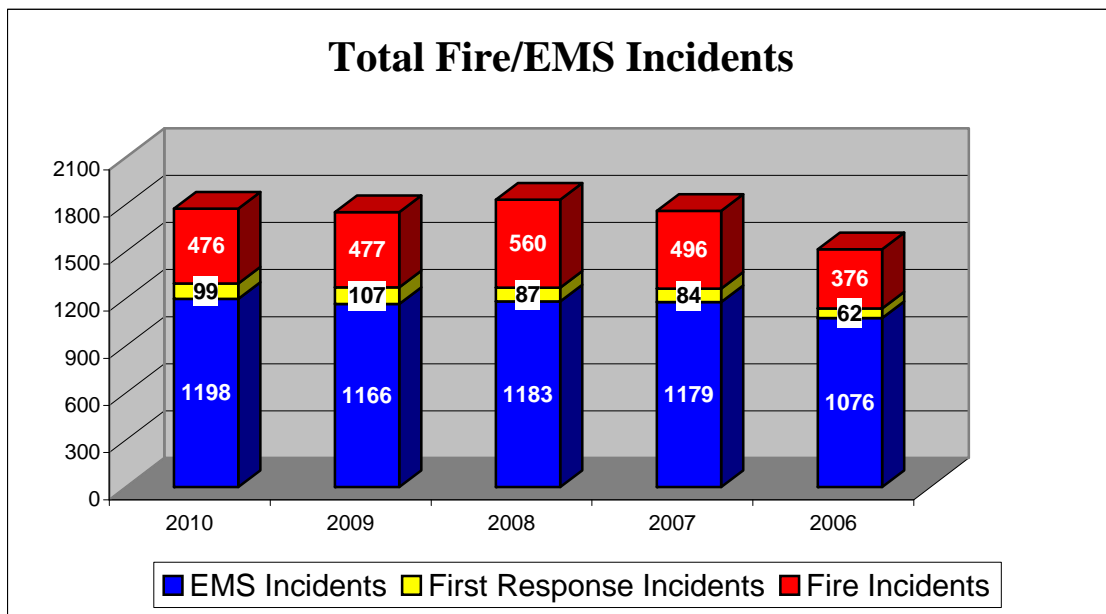
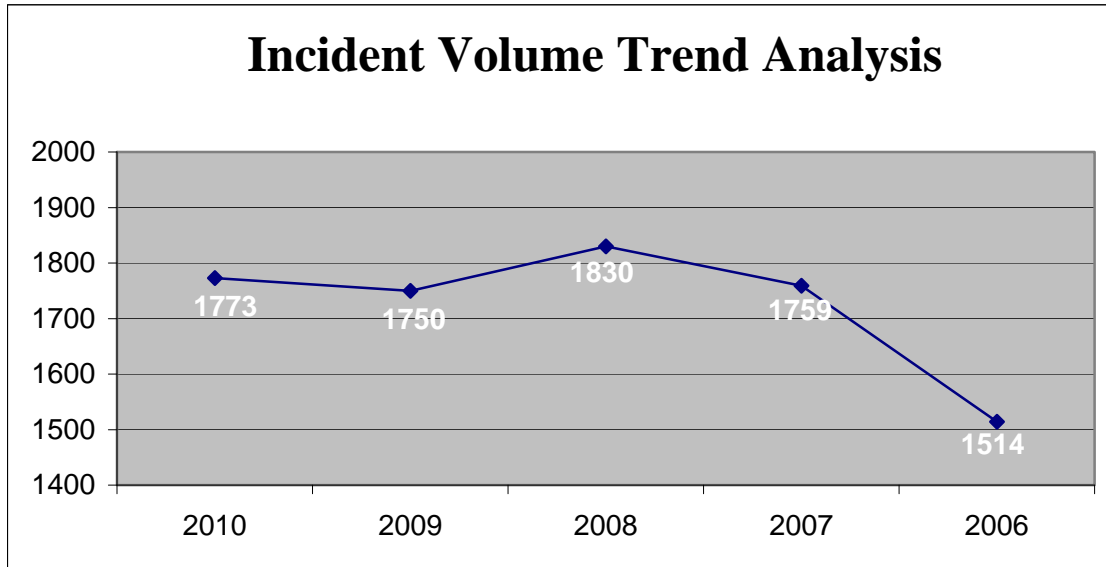


## FIRE INCIDENT RESPONSE DATA (CONTINUED)



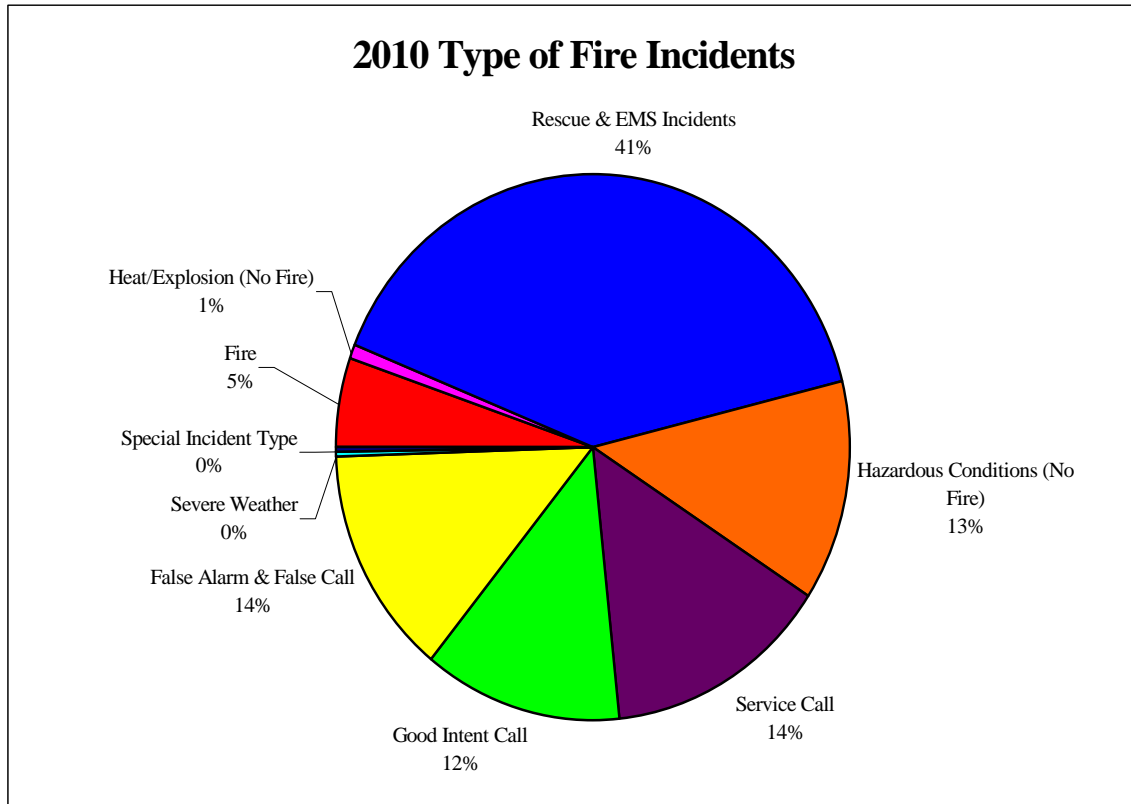


**FIRE INCIDENT RESPONSE DATA(CONTINUED)**





**FIRE INCIDENT RESPONSE DATA(CONTINUED)**

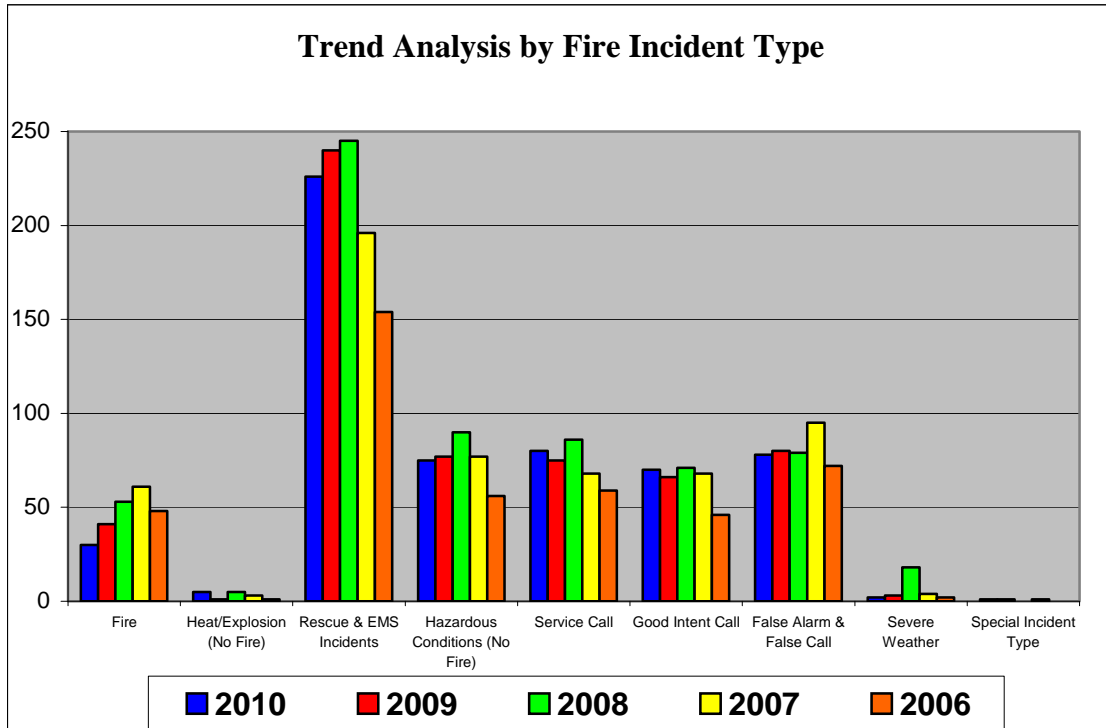


	2010	2009	2008	2007	2006
Fire	<b>30</b>	41	53	<b>61</b>	<b>48</b>
Heat/Explosion (No Fire)	<b>5</b>	1	5	<b>3</b>	<b>1</b>
Rescue & EMS Incidents	<b>226</b>	240	245	<b>196</b>	<b>154</b>
Hazardous Conditions (No Fire)	<b>75</b>	77	90	<b>77</b>	<b>56</b>
Service Call	<b>80</b>	75	86	<b>68</b>	<b>59</b>
Good Intent Call	<b>70</b>	66	71	<b>68</b>	<b>46</b>
False Alarm & False Call	<b>78</b>	80	79	<b>95</b>	<b>72</b>
Severe Weather	<b>2</b>	3	18	<b>4</b>	<b>2</b>
Special Incident Type	<b>1</b>	1	0	<b>1</b>	<b>0</b>

It is certainly noteworthy, that in the Fire/Incident category, 226 responses were listed as Rescue/EMS. These runs are primarily motor vehicle, first response runs or other types of accidents that require additional staffing and equipment to resolve. False alarms include alarm system activations that were accidental and not necessarily malicious in nature.



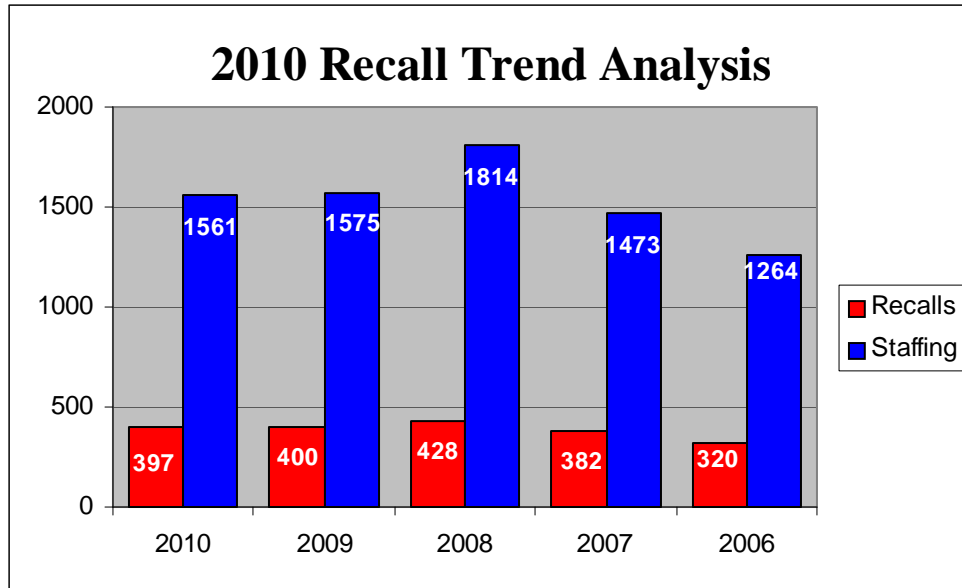
**FIRE INCIDENT RESPONSE DATA(CONTINUED)**



The chart above represents the increase or decrease in particular incident categories over the past five years.

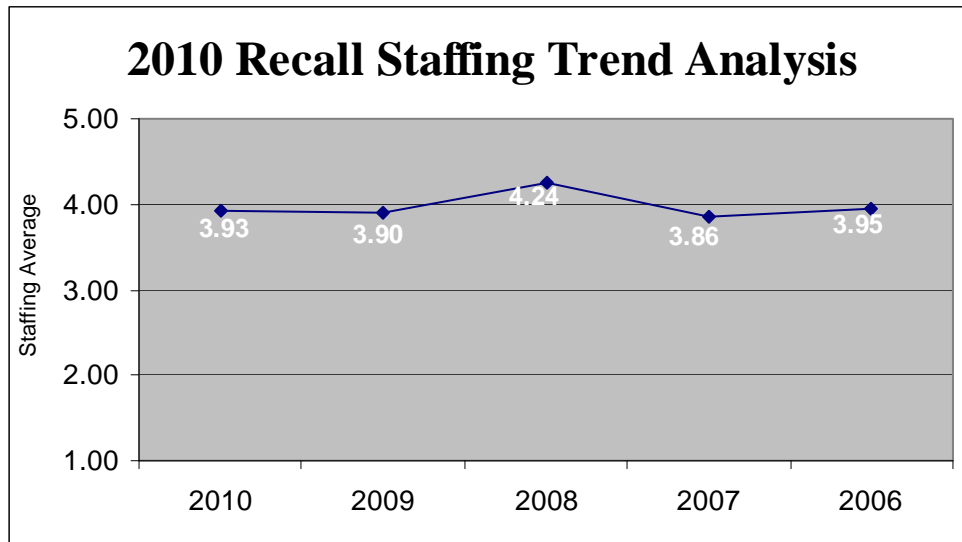


## FIRE INCIDENT RESPONSE DATA(CONTINUED)



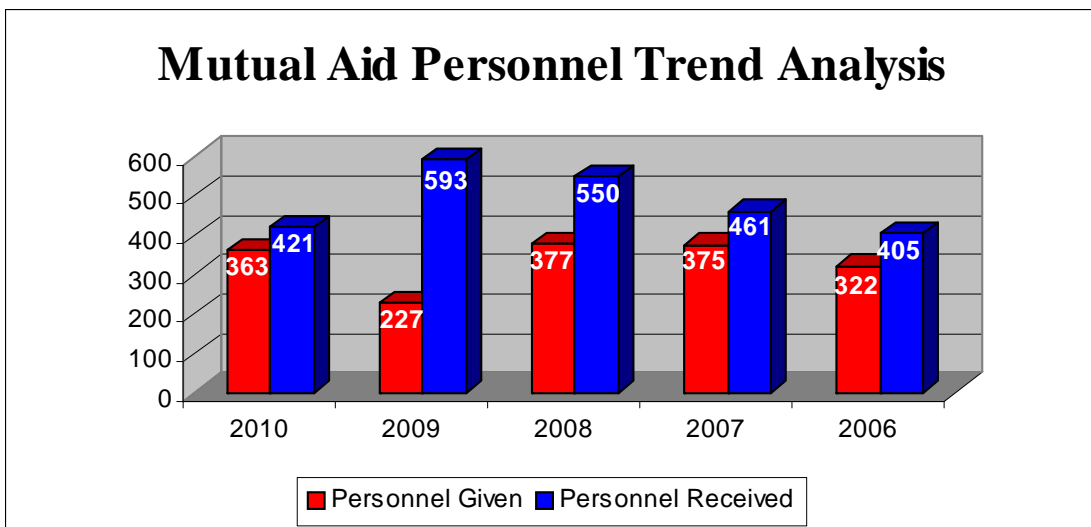
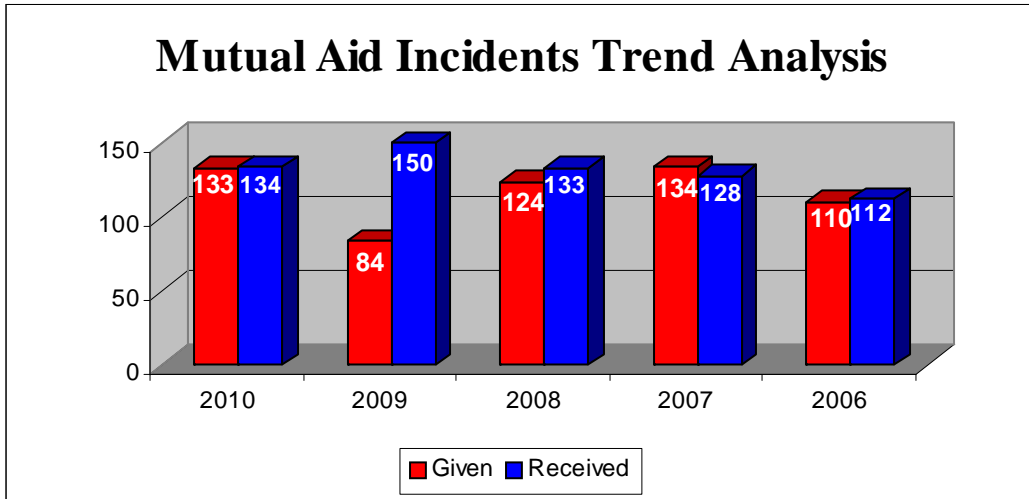
### Response of Off-Duty Personnel

The number of firefighters returning when recalled is important to the firefighting ability of our department. This graph shows in 2006 - 3.95, 2007 - 3.86, 2008 - 4.24, 2009 - 3.94 and 2010 - 3.94. It is important for this trend to continue for the safety of everyone involved.





## FIRE INCIDENT RESPONSE DATA (CONTINUED)



### Mutual Aid

Mutual Aid continues to be an important aspect of providing quality and efficient services to our community. We rely on our neighbors, particularly Bellevue-Dayton, Central Campbell, Newport and Southgate to assist us under the following circumstances:

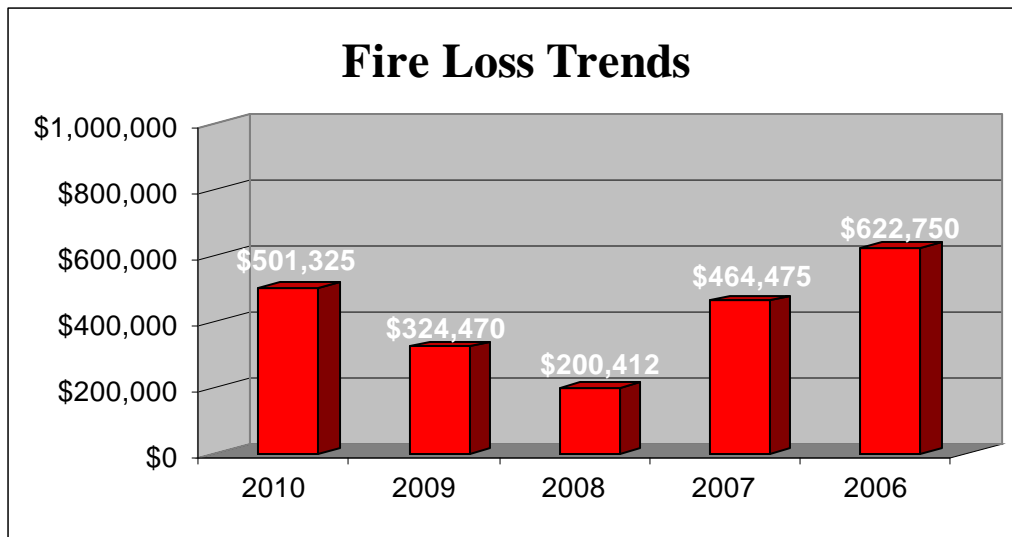


### FIRE INCIDENT RESPONSE DATA(CONTINUED)

- Working Fires
- Large Scale Incidents
- Multiple Runs
- Automatic Response
- Units Out of Service
- Multiple EMS Runs

These graphs are reflective of our high usage of automatic response from other departments to alarms that require a first-in response greater than our on-duty capability, such as St. Elizabeth-Ft. Thomas Hospital.

#### Fire Loss



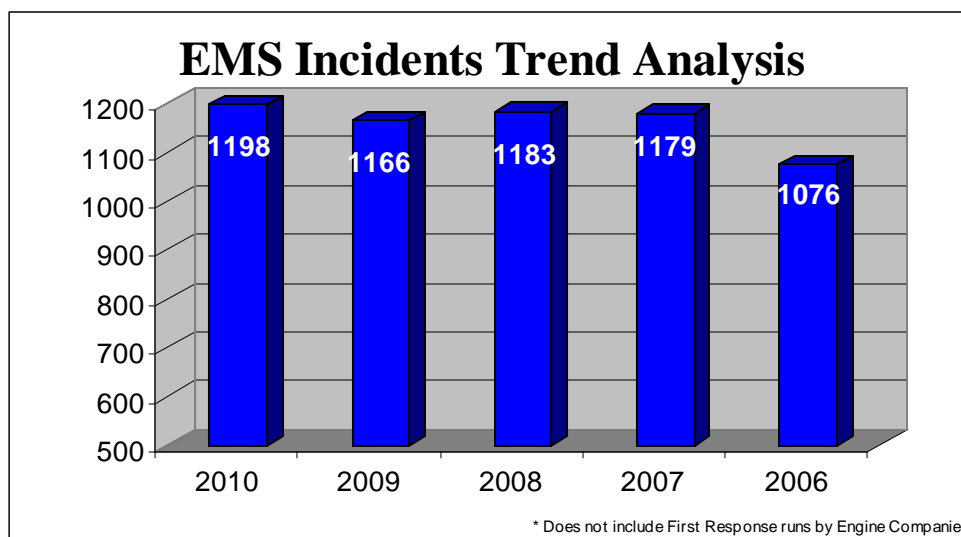
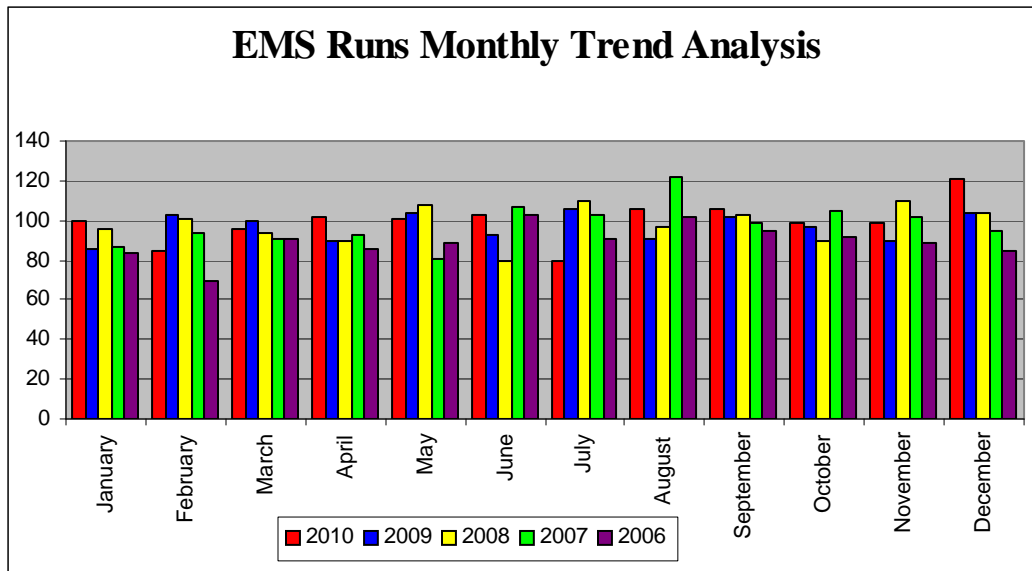
The chart above looks at the total annual fire loss over the past five years. A single large-loss fire dramatically impacts annual fire loss in our community.



## EMS RESPONSE DATA

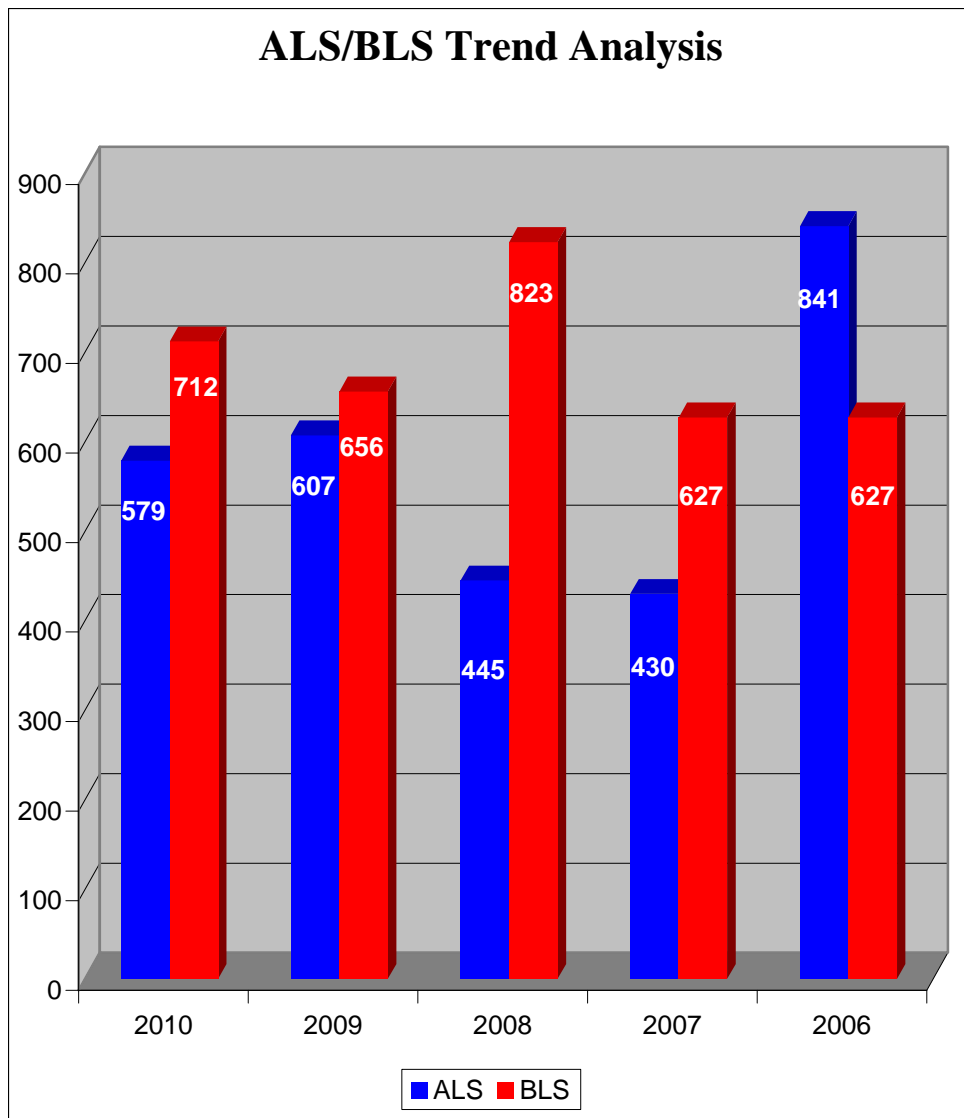
### Emergency Medical Service Response

The following charts depict EMS runs in a variety of ways either over 2010 or over the last five years. Specifically, in 2010, our department made 1198 EMS runs as opposed to 1166 made in 2009.



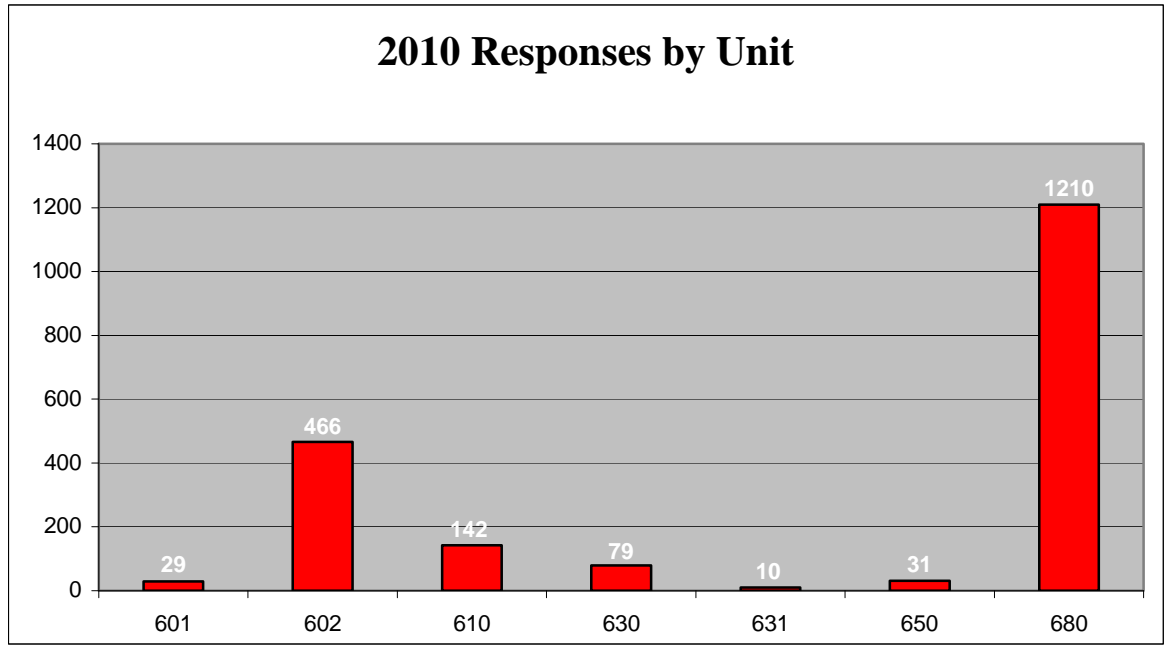


**EMS RESPONSE DATA(CONTINUED)**





**EMS RESPONSE DATA(CONTINUED)**



Graphs assembled by Captain Steve Lumpp



## HYDRANT DATA 2010

The fire department's effort to insure availability of water for fire suppression is provided by performing three functions regarding our hydrant system at various times throughout the year.

**1. Fall Inspections** - In the fall, fire personnel inspect every hydrant; to insure that the hydrant is drained of water to prevent freezing that would render it unusable in very cold weather. Hydrants that are found to have water in the barrel, are pumped, and subsequently re-inspected a 2<sup>nd</sup> time to assess for valve or ground water leakage and if necessary pumped again, then inspected a 3<sup>rd</sup> time to verify a problem. If it remains wet on this check, we then consider the hydrant unusable in freezing weather and are referred to the N. Ky. Water District for repair. We then plan our operation around this known condition.



In the fall of 2009 we did fall inspections on all 539 hydrants, and 199 repeat inspections for a total of 738.

**2. Annual Operation** - Another function that is performed is actual operation of the hydrant. This does not include an actual NFPA 291 flow test. Every hydrant is operated to evaluate its operability. Any lubrication to the hydrant is done at that time. If repairs are needed Northern Kentucky Water District is notified. The N.K.W.D. also performs tests on the hydrants and focuses more on water quality than quantity. The fire department is more concerned with larger quantities of water for fire suppression capability.



**3. Fire Flow Testing** - The 3<sup>rd</sup> function is collection of water flow data. This is done by the fire department following NFPA 291 guidelines. We are concerned with both pressure and flow. These tests assess static (not moving), and residual (remaining) pressure while flowing, and compare the drop in pressure at measured flows on the water main and at the hydrant. We can then calculate the potential availability of water at the NFPA preferred rating of 20-psi residual pressure. This allows us to calculate the flow available without actually flowing the maximum output. The tests' purpose is to provide data to the fire department for fire suppression capability. These are extensive tests that are time intensive. Our goal is to flow test every hydrant in the city once every 5 years per NFPA guidelines. We have completed this





cycle in 2010 and will start the cycle over in 2011.

All hydrant barrels have been painted yellow and the tops (bonnets) either red, orange, green, or blue to reflect the rated flow at 20 psi. residual pressure, which also improves the appearance and visibility of the hydrants. The colors signify the general range of flow rating assigned by NFPA - (Red for 0 to 500 gpm, orange 500-1000, green 1000-1500, and blue 1500 plus.)

We maintain a running list of our hydrants that is updated each year to reflect the current GPM rating. This data is available for pre-incident planning, training, for prioritization of capital improvement infrastructure upgrades, and other uses.

### **Emergency Hydrant Thawing**

In an emergency a fire hydrant may be thawed by removing 2 caps and using a tool to poke a hole through the ice. Attach a hose from the pumper to each side of the hydrant. Start flowing water from the pumper through the hydrant to circulate water and start melting the ice. After a few minutes open the hydrant, connect a supply line to it and start flowing water.



Captain Dale Cruze, Hydrant/Water Supply Coordinator



## Physical Fitness Report 2010

For 2010, our physical fitness program has seen some changes. The first has been the collaboration we experienced with the entire City with the formation of a Fitness Center in the lower level. Local 1928 contributed all of its fitness equipment to this joint operation. In addition, the City has purchased a new treadmill as well as various loose equipment to ensure the success of the operation. The fitness committee consists of Chris Amon, Rick Daugherty, Tammy Webster, Rich Whitford, Casey Kilgore, Doug Bryant, Jake Hartfield, Shawn Thompson, and David Buerger.

The members of the Fire Department embarked on a number of fitness initiatives for 2010. We purchased two fitness programs, P90X and Insanity. These workouts are vastly different and challenge each participant to increase fitness potential. More than half of the members participated in each of the programs.

A new trend for the members is the participation in 5K, 10K, 15K, and half marathon's. The training which goes into these events not only takes time and perseverance, but also determination to put in the hard work needed for success.

Our members continue to participate in physical fitness activities on a daily basis. The training we put in ensures our members the readiness to do our job and remain in a healthy state.

Respectfully Submitted,

Rick Daugherty  
Local 1928 President



**NORTHERN KENTUCKY  
REGIONAL HAZMAT/WMD  
RESPONSE TEAM**

**Activity Report  
Kenton/Campbell County  
Report 2010 Unit HM3**



**2010 Haz-Mat 3 Run/Training Report**

**2010 Total Number of Runs** 12

**State of Matter of the Products Found**

Gases 5  
Liquids 5  
Solids 2

**Run Total & Type per Month**

January 1 – Gas Spill, Disregarded en route (Cov.)  
February 1 – Chlorine Leak (Ludlow)  
March 2 – White Powder (IRS Cov.), Phenol, Chloroform, Alcohol spill (Edgewood)  
April 1 – Anhydrous Ammonia Leak (Newport)  
May 0  
June 1 – Diesel Fuel (Cold Spring)  
July 0  
August 1 – Gas Leak (Cov.)  
September 3 – White Powder (Ft. Thomas), Flammable Liquid (California), Trichloromelamine (Cov.)  
October 1 – Sulfuric Acid Fumes (Wilder)  
November 1 – Poss. Mercury Spill (Alcohol based)(Wilder)  
December 0

**2010 Training**

HM3 averages 20 to 45 personnel at its monthly training.

January Environmental Sampling & FBI's 12 Step Process  
February Basic Chemistry & Toxicology  
March Incident Response to Terrorist Bombings



April	Decontamination 9-Step Process
May	Transportation Based Containers
June	Radiological Monitoring & Detection
July	Reference Sources/Air Monitoring and Haz-Mat Harm Worksheets
August	Unknown 8-Step Process & Air Monitoring
September	Anhydrous Ammonia Chemical Specific
October	Chemical PPE and In-Suit Emergencies
November	HazMat Jeopardy & Paperwork Catch-up
December	Operations Refresher Class

### **Additional Training:**

During the Summer HM3 provided a Haz-Mat Awareness and Operations Level class to Campbell and Kenton County Fire departments. We trained approximately 20 people and picked up some additional personnel for the team as well.

### **Out in the Community –**

HM3 was asked to put on a public education show for about fifty kids and parents at the Ft. Thomas Recreational Department. HM3 dressed out two members in Level A, rescued a volunteer from the audience and sent him through the decon line inside the TVI System with all the kids helping. We also introduced the kids to chemicals and poison look a likes in the home. (i.e. Comet Cleaner vs. Parmesan Cheese or Apple Juice vs. Pine Sole)

HM3 went to Touch-A-Truck in Ft. Thomas in September. During this event we walked around in Level A suits to meet the public and to show the kids some of the fun stuff we do. We also had the Mass Decon Truck/Trailer at the event. This was a great hit and the team received many compliments.

HM3 also was invited to National Night Out in Cold Spring. HM3 had two team members walking around in Level A suits to meet the public, we had a table set up to show and compare poisons in the home, and we did a demonstration of common household chemical incompatibilities.

### **2006 Active Members List**

1	Bloemer	Mike	CFD	Technician
2	Alsip	Chris	CFD	Technician
3	Mardis	Adam	SCFD	Technician
4	Karr	Casey	FTFD	Technician
5	Stuart	Matt	FTFD	Technician
6	Bailey	Mark	FTFD	Technician
7	Bell	Rod	SD#1	Technician
8	Terry	Alan	CFD	IC



## 2010 Active Members List

1	Stuart, Matt	FTFD	Team Leader - Administrator
2	Bell, Rod	SD#1 / OSHA	Safety / Assist Administrator
3	Snawder, John	NIOSH	Toxicologist / Tech
4	Maddox, Clark	EFD	Science Officer / Tech
5	Mathew, Dan	CFD	Tox-Medic Supervisor / Tech
6	Sendelbach, Robert	MCS	Ammonia Specialist / Tech
7	Enzwieler, Jeremy	CSPD	LEO / Technician
8	Moore, James	IPD	LEO / Technician
9	Mardis, Adam	SCFD	Technician / EMT
10	Berens, Brian	SD#1	Technician / Spec.
11	Weghorn, Dave	CCFD	Technician / Medic
12	Carr, Kasey	FTFD	Technician / Medic
13	Bornman, Daniel	ARFF	Technician / Medic
14	Kelly	EFD	Technician / EMT
15	McCuley, Gary	WFD	Technician
16	Rath, Michael	SFD	Technician / EMT
17	Bauer, Jason	WFD	Technician
18	Prewitt, Joe	WFD	Technician
19	Boothe, Ryan	WFD	Technician / Medic
20	Krentz, Casey	TMFD	Technician / Medic
21	Thomas, Danny	WFD	Technician / EMT
22	Cruze, Crystal	WFD	Technician / EMT / RN
23	Brown, Jared	WFD	Operations / EMT
24	Wiley, Vernon	SD#1	SD#1 Technician / Spec.
25	Robinson, Chris	SD#1	SD#1 Technician / Spec.
26	Branch, Bill	SD#1	SD#1 Technician / Spec.
27	Massie, Craig	SD#1	SD#1 Technician / Spec.
28	Kindoll, Dennis	SD#1	SD#1 Technician / Spec.
29	Burns, George	SD#1	SD#1 Technician / Spec.
30	Breeze, Scott	SD#1	SD#1 Technician / Spec.
31	Couch, Donnie	SD#1	SD#1 Technician / Spec.



<b>32</b>	Roberts, Donald	SD#1	SD#1 Technician / Spec.
<b>33</b>	Young, Elmer	SD#1	SD#1 Technician / Spec.
<b>34</b>	Cain, Karen	SD#1	SD#1 Technician / Spec.
<b>35</b>	Diesman, Pat	SD#1	SD#1 Technician / Spec.
<b>36</b>	Adam Pedicord	NFD	Tox-Medic
<b>37</b>	Brandon Fromeyer	WFD	Tox-Medic
<b>38</b>	Chris Alsip	CFD	Tox-Medic
<b>39</b>	Gary Auffart	NFD	Tox-Medic
<b>40</b>	Scott Kohrs	NFD	Tox-Medic
<b>41</b>	Chalk, Karl	CFD	Tox-Medic
<b>42</b>	Bloemer, Mike	CFD	Tox-Medic
<b>43</b>	Rucker, Gary	CFD	Tox-Medic
<b>44</b>	Deye, Corey	CFD	Tox-Medic
<b>45</b>	Salmons, Greg	CFD	Tox-Medic
<b>46</b>	Wyatt, Todd	CFD	Tox-Medic
<b>47</b>	Childress, Randy	NFD	Tox-Medic



**We Remember with Gratitude**

**Dennis Decker  
1946-2010**



**FD Service 1968-1990  
State Fire Marshall 1992-1996  
Fire Commission  
KPF President 8 yrs  
KPF secretary/tresurer 12yrs  
Haz Mat Chief SFMO 8 yrs**





## TABLE OF CONTENTS

<u>Letter to Mayor Brown and Board of Council</u>	<u>Page 1</u>
<u>FD Personnel</u>	<u>Pages 2-3</u>
<u>FD Responsibilities</u>	<u>Page 4</u>
<u>FD Staff</u>	<u>Page 5</u>
<u>Chief's Year in Review</u>	<u>Pages 6-13</u>
<u>Profession Affiliations</u>	<u>Pages 14-16</u>
<u>Public Fire Safety Education Programs</u>	<u>Pages 17-22</u>
<u>Staff Development</u>	<u>Pages 23-41</u>
<u>Fire Incident Response Data</u>	<u>Pages 42-50</u>
<u>EMS Response Data</u>	<u>Pages 51-53</u>
<u>Hydrant Data</u>	<u>Pages 54-55</u>
<u>Physical Fitness Report</u>	<u>Page 56</u>
<u>Hazardous Materials Report</u>	<u>Pages 57-60</u>