



Crystal Lake Fire Rescue Department 2007 Annual Report



Gary Mayerhofer, City Manager
City of Crystal Lake

Dear Mr. Mayerhofer,

On behalf of the men and women of the Crystal Lake Fire Rescue Department, I am pleased to submit our 2007 Annual Report. The accomplishments highlighted in this document are a direct result of the commitment to our organizational values of "Serving Crystal Lake with P.R.I.D.E." (Professional, Ready, Innovative, Dedicated, Empowered), by all of our emergency service personnel.

The year of 2007 has been a year of remarkable change and development in the Crystal Lake Fire Rescue Department. Our dedicated men and women worked tirelessly to respond to over 5,200 calls for help, while focusing on personal and organizational development.

As the Fire Rescue Chief, it is an honor to work with a group of people who have recognized that while change is challenging, it is necessary in order to be a "benchmark organization in emergency services." I marvel at the commitment that our personnel bring to our change effort and are encouraged by the personal and professional development that continues within our Department. I continue to see great things for our future.

In 2007, some of our accomplishments were:

- Developed and presented a Five-year capital plan.
- Instituted Life Safety Inspections of businesses in Crystal Lake with on-duty fire crews.
- Instituted an alphanumeric paging program to alert staff of callback and other vital information.
- Reprogrammed all portable radios to provide a radio identifier and emergency button to increase safety of our firefighters.
- Conducted a "back-safety" program with IRMA to increase firefighter safety and longevity.
- Conducted a sold out seminar (350 firefighters) on Fireground Tactics with author Deputy Chief John Norman.
- Conducted Citywide National Incident Management System (NIMS) compliant training for all City Supervisors and Department Heads.
- Instituted Video Conferencing with all fire stations to increase communications and training opportunities while maintaining still district coverage in order to ensure adequate response times.
- Instituted a Red Lights and Siren policy in order to minimize the risk associated with transporting patients to the hospital.
- Revised our hospital transport destination policy to minimize ambulance downtime.



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- Continued our command level reorganization to create development opportunities for our officers.
- Created a Foreign Fire Insurance Board intended to assist the firefighters in the execution of their duties.
- Emphasis placed on training and development
- Utilized the Fire Command Center concept to effectively manage multiple storms and high call volume periods through out the year.
- Completed promotional testing for Battalion/Bureau Chief.
- Received grants for emergency medical training equipment and thermal imaging cameras.
- Utilized National Incident Management System concepts to develop a mandated Incident Action Plan (IAP) to ensure the successful management of several community events in Crystal Lake.
- Completed F.I.R.E.S training for all fire officers in anticipation of our life safety inspection program.
- Conducted a pilot course through the University of Illinois Fire Service Institute that allowed all of our personnel to obtain the Fire Investigation Awareness training and certification at no cost to the City.
- Developed a comprehensive Pandemic Influenza Guide in Spanish and English to assist our citizens in preparing for a new flu strain that could sicken many.
- Completed a Citywide Continuity of Operations Plan for Pandemic Influenza.
- Conducted a town-hall meeting about Pandemic Influenza in cooperation with Crystal Lake School District 47 & 155, along with the McHenry County Department of Health.

Contained within this report are the details of our many accomplishments and a review of our statistics.

I am confident as you read this report, that you will find the 2007 achievements of the men and women of the Crystal Lake Fire Rescue Department nothing short of impressive.

Sincerely,

James P. Moore
Fire Rescue Chief



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Department Overview

The City of Crystal Lake is located in Illinois approximately 45 miles northwest of the City of Chicago, in McHenry County. The Crystal Lake Fire Rescue Department provides service for the City of Crystal Lake, the Crystal Lake Rural Fire Protection District and portions of Lake in the Hills. The area served is approximately 46.2 square miles, with a resident population of over 56,000 according to the 2000 census. Estimated current population is 60,000. Services provided include fire protection, emergency medical care (Advanced Life Support), fire inspections, public education, hazardous material response, water rescue, and special team responses such as trench, confined space, rope, and dive rescue. The City of Crystal Lake is the largest city in McHenry County, and our service area includes three U.S. highways, a railroad (Union Pacific), two large lakes (Crystal Lake and Vulcan Lake), and McHenry County College. The Department also provides automatic aid to the Nunda Rural Fire Protection District, McHenry Township Fire Protection District and the Algonquin / Lake in the Hills Fire Protection District. Mutual Aid is provided to communities in McHenry, Lake and Kane Counties frequently through our Mutual Aid Box Alarm System (MABAS).

The Fire Rescue Department provides 24-hour emergency response, operating out of three stations with 73 personnel. Staffing is provided by three shifts of full-time firefighters on a 24/48-hour schedule, and is supplemented with paid-on-premise firefighters. Approved full-time positions include 3 Battalion Chiefs, 9 Lieutenants, and 13 firefighters per shift. Full-time firefighters and Lieutenants are members of the Crystal Lake Professional Firefighters Association, Local 3926, of the International Association of Firefighters, AFL-CIO. Minimum manning for emergency response is at 13 firefighters per shift. Approved day positions (40-hour week), include Fire Chief, Deputy Chief, Bureau Chief of Training, Bureau Chief of Fire Prevention, Fire Inspector, Office Coordinator, and Administrative Assistant. In 2007, the Department responded to over 5,000 incidents. 65% of the incidents involved emergency medical care.



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2007 Year in Review

Deputy Fire Rescue Chief – Paul DeRaedt

The year 2007 was another year filled with changes for the Fire Rescue Department. The members of this Department continue to rise to the challenges that are placed before them. For without their dedication and professionalism, our accomplishments listed here would not have been possible.

Strategic / Financial Plan

Chief Moore presented the Department's Five- year Strategic / Financial Plan to the City Council, Fire Protection District Trustees and Firefighters. This is an ambitious plan that provides the framework for our future as we continually strive to be the benchmark organization in emergency service.

Pandemic Flu

The City continued to work on developing a plan to operate essential City services in the event of a pandemic flu. Each City department completed a Continuity of Operations Plan that outlines anticipated changes in service in the event of a flu outbreak. The City received a \$5,000 grant from the McHenry County Department of Health (MCDH). The grant funded a pandemic flu brochure that was made available to all residents in English and Spanish in electronic format via the City's website, as well as, printed copies. Additionally, a town hall meeting regarding pandemic flu preparedness was conducted in partnership with School District's 47 & 155 and MCDH.

Fire Prevention Bureau

The goal for 2007 was to implement our Life Safety Inspection program for existing occupancies within the protection area. Training of our personnel was conducted during 2006 and early 2007. Chief Moore and Bureau Chief Dominick presented our program to the business community during multiple meetings with the Crystal Lake Chamber of Commerce. The presentation and concept was well received by those in attendance. In the fall of 2007, our crews began the task of going into the community to conduct life safety inspections. Feedback from the business community and our personnel has been positive.



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Grant Applications and Awards

The Department applied for several grants in 2007.

- Two grant applications through the Assistance to Firefighters Grant Program (AFG), for thermal imaging cameras and firefighters were applied for. The Department was chosen to receive a \$30,000 AFG award this year for thermal imaging cameras. Four cameras and accessories will be purchased to provide our frontline engines with this valuable tool. The cameras will also be available to our local law enforcement personnel to assist in the course of their duties should they make a request to our Department. The second AFG grant application for additional firefighters is still pending consideration at the close of 2007.
- A communications grant that will upgrade our critical radio system components with newer technology and provide our Public Works Division with their own radio frequency was applied for and received.

Officer Development

Several opportunities to further develop our officers were available this year. The John Norman (FDNY Ret.) seminar held at MCC and the Illinois Fire Service Institute (IFSI) Officer Command and Company Officer schools were a great success. Further information regarding officer development is presented in Bureau Chief Kohley's training report. The Officer Development program is intended to develop all leaders in our evolving organization.

Applicant Testing

On August 4, 2007, the Board of Police and Fire Commissioners held testing for full-time and part-time Fire Rescue positions. Of the 43 candidates who attended testing, 30 successfully completed the written and physical ability tests.



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Community Fund Raising

Fire Rescue personnel participated off-duty in two fundraising events this year.

- The annual Muscular Dystrophy Association's Fill-the-Boot campaign coordinated by the Crystal Lake Professional Firefighters, Local 3926. The event took place on August 18th and 19th. Through our personnel's efforts we were able to raise \$3,914 for this worthwhile cause.
- Salvation Army's Red Kettle Campaign. The 3 shifts, administrative staff and paid-on-premise personnel competed against one another to see who could raise

the most money. This was the second year the Department participated in this fundraising campaign.

Awards

On Friday, November 2, 2007, the Fire Rescue Department held an Awards and Appreciation dinner. This event was a way to recognize our personnel for their outstanding service to the community during the past year. Awards were presented in the following categories:

- Emergency Medical Service (EMS)
- Fire Rescue Association
- City Years of Service
- Department Awards of Recognition

Video Conferencing Project

Installation of video conferencing equipment at all three fire stations was completed in July of 2007. This project allows for our personnel to conduct meetings and trainings without leaving their response areas. Additionally, this project helps to reduce the amount of times an instructor will need to present their material. Past practice required us to conduct training sessions for the 3 shifts, 3 times a day to ensure proper coverage in our response areas. Video conferencing reduced the number of presentations from 9 to 3 for a given topic by presenting the material once per shift.

In the future, we will be able to offer training and meeting opportunities outside the Department as we expand the video conferencing capabilities. This will be especially helpful in the event of a disaster in our community by being able to have a direct link to local, state, and federal agencies.



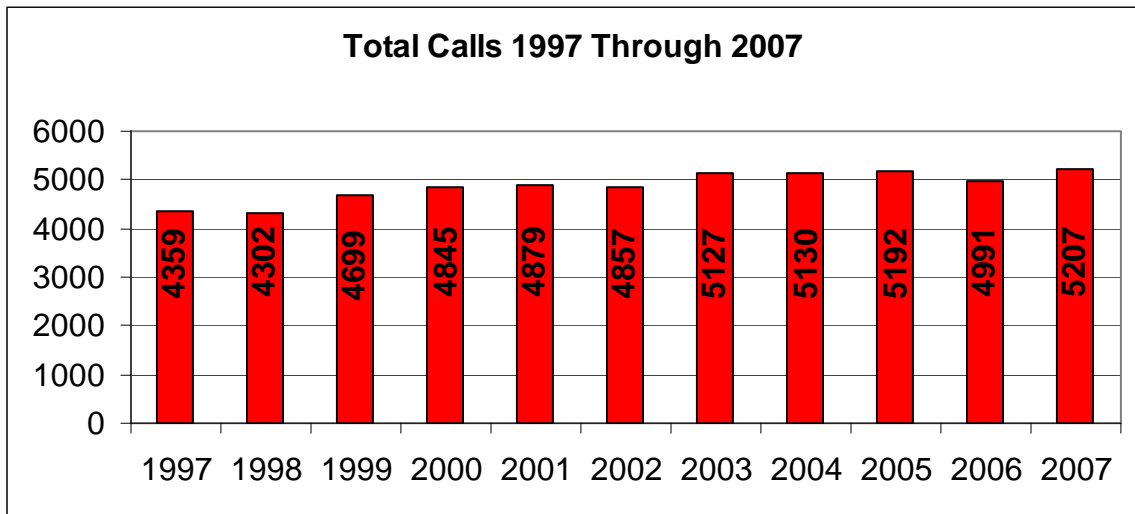
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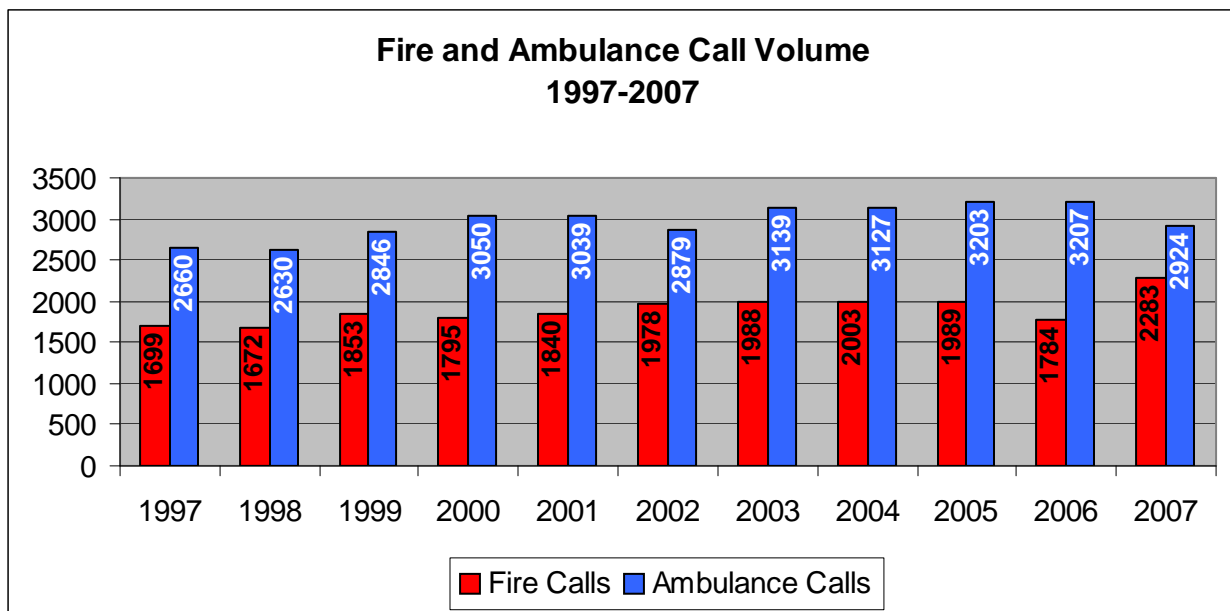
Incident Statistics – 2007

Battalion Chief – John Lardino

The Crystal Lake Fire Rescue Department responded to over 5000 calls in 2007 with a total of 5207 incident responses.



11-Year Incident Trend





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Over the last 11 years, total call volume has increased approximately 17%. Fire calls have increased at a rate of 25.6% and EMS calls increased at a rate of 10%. This is an average increase of 1.5% each year. Based upon these figures, the call volume will increase to approximately 6000 calls within the next 10 years.

Fire Rescue Department Calls for Service 2006 - 2007

Incident Type	# 2006	% 2006	# 2007	% 2007
Fire	135	2.86 %	95	1.82 %
Rescue and EMS Incidents	3248	65.05 %	3344	64.22 %
Hazardous Conditions (No Fire)	297	5.94 %	341	6.55 %
Service Call	406	8.13 %	509	9.78 %
Good Intent Call	139	2.68 %	181	3.48 %
Fire Alarms	766	15.34 %	737	14.15 %
Total	4,991	100.00 %	5,207	100.00 %

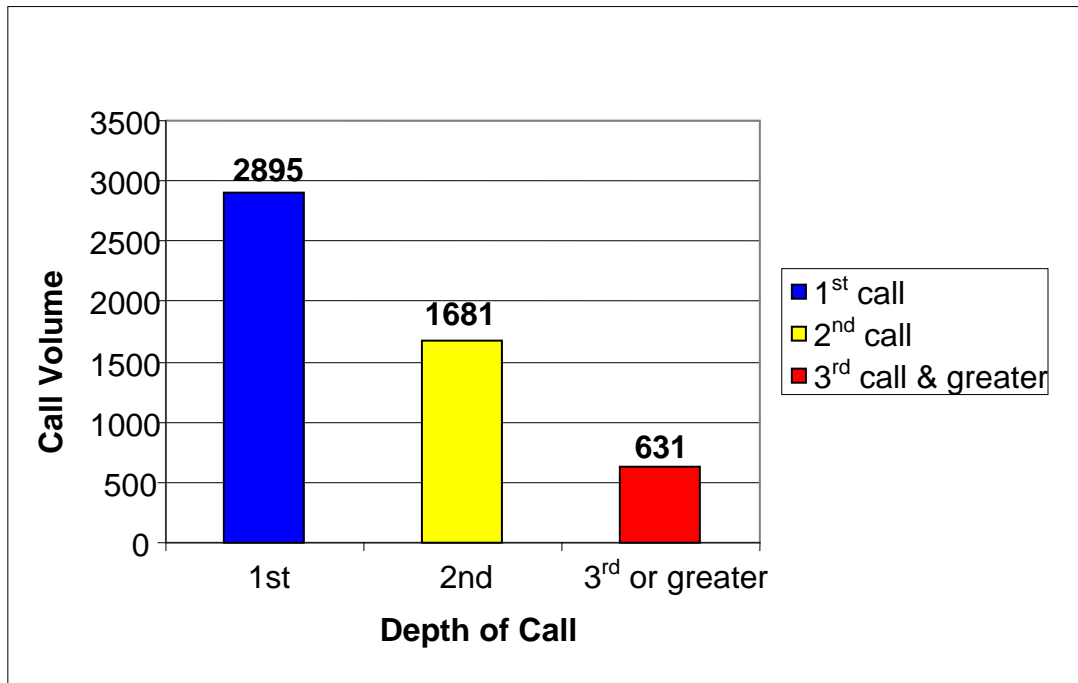
Looking at incidents by jurisdiction in 2006 and 2007, calls for service increased overall in 2007. This is a 4.2 % increase from last year.

Jurisdiction	Calls 2006	% 2006	Calls 2007	% 2007
City of Crystal Lake	4037	83.14 %	4379	84.10 %
CL Rural FPD	644	13.01 %	665	12.77 %
Out of District	141	3.85 %	163	3.13 %
Total	4,991	100.00 %	5,207	100.00 %

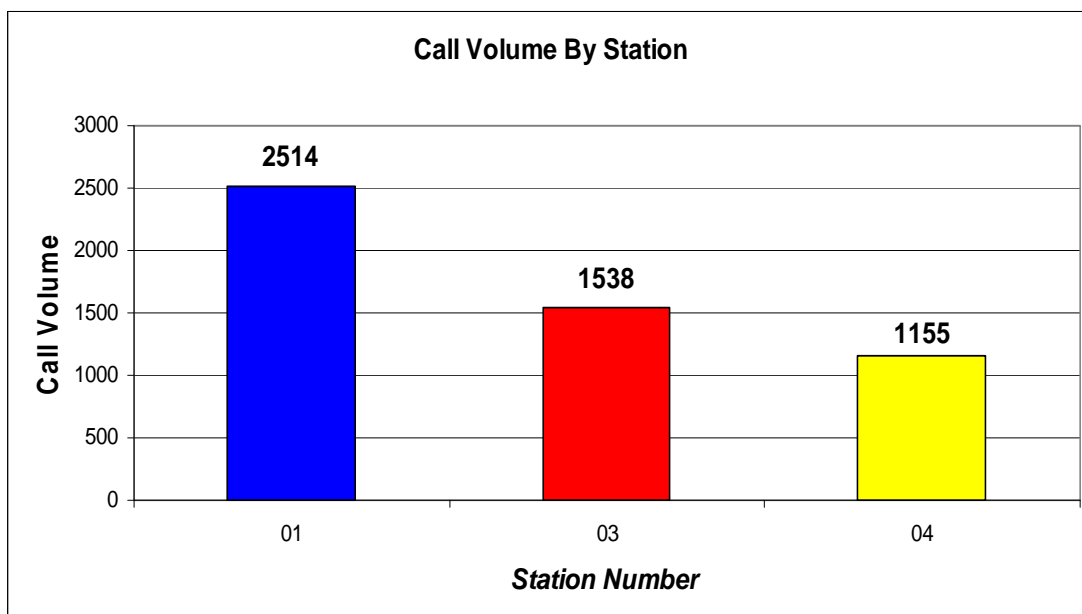
In 2007 the Crystal Lake Fire Rescue Department went to a third call or higher over 600 times. At the third call level, most on-duty resources are not available for incident response and additional resources are needed from other communities. Additional resources are requested at the first and second call level during structure fires or during other major incidents.



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Station 1 continues to be the busiest response area for call volume with 48% of all calls. Station 1 covers all areas North of Route 14. In 2007, the Station 3 response area handled 30% of all calls. Station 3 covers the areas South of Route 14 and East of McHenry Ave. Station 4 covers the area South of Route 14 and West of McHenry Ave. The Station 4 response area handled 22% of all calls. The decrease in call volume for Station 4 is attributed to the loss of calls after formation of the Lakewood Fire Department in 2007.





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Emergency Response Times

Response time is an important goal of Crystal Lake Fire Rescue. Our citizens rely on us for a prompt response to their calls for assistance. Response time goals for EMS calls are based upon data that shows brain death beginning in 4-6 minutes after someone stops breathing. Response time goals for fire calls are based on scientific data that shows that a fire doubles in size each minute and a dangerous condition known as flashover occurs 8-10 minutes after the start of a fire. The following is a breakdown of response times for each station:

- Alarm Processing Time is calculated from the time the dispatch center answers the 911 call, until the call is dispatched to the fire department.
- Turn out Time is from the time of dispatch, to the time the first unit goes enroute.
- Travel Time is from the time the unit went enroute, to the time the first unit arrives on the scene.

Crystal Lake Fire Rescue Department Fire Suppression Response Times Within Each District

	Station 1	Station 3	Station 4
Average Alarm Processing Time	2:11	2:11	2:11
Average Turn Out Time	1:42	1:36	1:38
Average Travel Time of First Due Engine	3:30	3:06	4:19
<i>Total</i>	7:23	6:53	8:08

Crystal Lake Fire Rescue Department EMS Response Times Within Each Response District

	Station 1	Station 3	Station 4
Average Alarm Processing Time	2:11	2:11	2:11
Average Turn Out Time	1:04	1:09	1:10
First Due Ambulance Travel Time	3:40	3:18	4:20
<i>Total</i>	6:55	6:38	7:41



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Public Education – 2007

Lieutenant Kirk Kiermas – Public Education Coordinator

The year 2007 continued to be a busy year for the Crystal Lake Fire Rescue Department Public Education Program. Scheduled programs that included school fire safety presentations recorded 9,579 attendees. Total visitor estimates are 18,000 people participating in our many events.

Each year fire safety activity requests are schedule by our office staff. With the numerous requests received, it is important to be able to balance the scheduling of these events with other activities such as regular training, fire inspections, vehicle & station inventories, etc. Most activities are covered by on-duty firefighter/paramedics. Longer events, (those lasting more than 4 hours), are covered by off-duty personnel in order to have an uninterrupted activity. With our emergency call volume in excess of 5000 calls per year, it can be difficult covering public education events utilizing on-duty personnel who may have to respond to an emergency call and miss part or all of an event. With our established program of scheduling these events, we have successfully brought fire safety to thousands each year due to the dedication of our personnel.

Determining direct results in fire prevention because of our Public Education Program within our community can be challenging. People rarely tell us that they were able to prevent a fire because of what was learned at the firehouse. However we can determine that a large majority of children that we encounter have had fire safety education within our school system and preschools that was taught by Crystal Lake Fire Rescue personnel. This is confirmed when we meet with groups of children and they are able to relate fire safety knowledge that they tell us was learned from past public education activities.

The Crystal Lake Fire Rescue Department focuses on the second grade students in our schools for fire safety education. By targeting all second grade classes each year, we hope to be able to eventually educate all Crystal Lake children in Fire Safety, resulting in fewer fires and fire related injuries within our community.

During 2007, the Crystal Lake Fire Rescue Department participated in many fire safety educational presentations. Including, but not limited to the following:

- Fire Extinguisher Demonstrations
- Fire Drills
- Fire Safety Tours
- Fire Safety House Classes
- Special Events
- Block Parties



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Each year the Crystal Lake Fire Rescue Department is requested to participate in numerous “special events” held around the community. Many of these are annual events that we have become a regular part of. Some of the events that the Crystal Lake Fire Rescue Department participated in during 2007 are:

- Annual Crystal Lake Fire Rescue Open House
- Truck or Treat
- Read Across America
- National Little League Opening Day
- Continental Little League Opening Day
- Johnny Appleseed Festival
- National Night Out
- McHenry County College Health Fair

Public education is a very important aspect of what the Crystal Lake Fire Rescue Department has to offer to our community.

Lieutenant Joyce Stevenson – CPR Coordinator

For many years, Crystal Lake Fire Rescue has offered Cardio Pulmonary Resuscitation (CPR) classes to the public. This life saving skill has proven time and again to provide the greatest chance of survival for someone who is not breathing and has no pulse. Our Department offers three types of classes, Heartsaver, Friends & Family for the general public, and Healthcare Provider for those who are in the healthcare industry. Certification in CPR is good for two years. Information on this valuable program is offered on the City’s website (www.crystallake.org), Government Access Channel 17, and brochures available at various sites throughout the City. An Automatic External Defibrillator (AED) was installed this year in the Municipal Complex lobby.



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Currently, we have 7 certified CPR instructors and 3 first-aid instructors with the Department. In 2007, a total of 337 individuals were certified as compared to 329 in 2006. Certifications were attained in the following areas:

Heartsaver	
Heartsaver AED students	162
Heartsaver first-aid students	34
Friends & Family	
	8
Healthcare Provider	
Initial training	46
<u>Recertification</u>	<u>87</u>
Total	337

Fire Prevention Bureau– 2007

Raymond Dominick– Bureau Chief of Fire Prevention

Fire Prevention Programs focus on the 3 E's of Fire Prevention; Education, Enforcement, and Engineering. Providing education to our business owners and their employees, building designers and contractors about safe practices can reduce the chance of fire in their building. Enforcement is aimed at reducing fire hazards, as well as mandating the proper installation and maintenance of a building's fire and life safety features. Engineering is about designing buildings properly with respect to fire and life safety. Plan review is part of this process. The Crystal Lake Fire Prevention Bureau works at improving in all three of these areas for a safer Crystal Lake.

In 2007, the Crystal Lake Fire Rescue Department took a huge step forward in the education and enforcement areas of fire prevention by initiating a Life Safety Inspection program. A life safety inspection is completed by our company officers and firefighters. This allows our personnel to identify life safety problems in the building and provides the opportunity to educate our building owners/tenants about fire safety and fire code requirements.

The Fire Prevention Bureau is also involved in other areas as it continues to work toward providing good customer service, public education, and enforcement of adopted codes and ordinances. Each day, the Fire Prevention Bureau (FPB) field's inquiries from various property owners, developers, contractors, and the general public in matters related to fire safety.



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Fire Prevention Bureau Personnel

The Bureau consists of two personnel, Bureau Chief Raymond Dominick and Fire Inspector Thomas Hardin. Tom began his Crystal Lake career with the Bureau in June of 2007. He has experience as a Firefighter, Police Officer, and Fire Inspector prior to joining the Bureau. Tom has brought many new ideas and provided assistance in the development of the Bureau.

2007 Plan Reviews and Inspections

Plan review services increased in 2007 to over 600 reviews, markedly increasing from the 372 completed in 2006. Fire Safety Consultants, Inc. of Elgin (FSCI) was contracted to provide plan review services for sprinkler protection and detection systems such as fire alarm, automatic sprinkler, and restaurant hood extinguishing systems in order to meet the growing demand for the Bureau's services.

As part of the City's Community Development Review Team (CDRT), the FPB reviews proposed developments related to fire prevention and life safety from cursory review to final occupancy. Building plans are reviewed for life safety and any fire suppression or detection systems.

45% of plan reviews completed by Fire Prevention Bureau staff involved life safety reviews of new and existing properties. This includes new construction, occupancy changes, and tenant build-outs of existing buildings. Fire protection and detection system plan reviews (16%) and temporary and special use permits (15%) were the next commonly reviewed areas.

Inspection services conducted by the Fire Prevention Bureau are generally divided into two areas; new construction and existing occupancies. With all new buildings, the Bureau conducts inspections related to the installation of new fire protection and detection systems. This includes testing the systems prior to occupancy. The Bureau also conducts a final occupancy inspection related to the life safety aspects of the building. During this inspection, portable fire extinguishers, exit lights and emergency lights are verified to meet the adopted fire code for proper installation and operation. In addition to life safety features, emergency contact information and building access keys are obtained for these occupancies. New tenants in existing buildings also are classified in this category. This allows the Fire Prevention Bureau to verify that the life safety equipment is correctly installed and operating prior to occupancy.

KNOX Box Program

Since 1992, the Crystal Lake Fire Rescue Department has required buildings with fire alarm or sprinkler systems to install a *KNOX* box for access to the building. The *KNOX* box is a secure key vault that only fire rescue personnel have access to by means of a radio release controlled master key.



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All multi-tenant buildings are now required to have *KNOX* boxes installed. This allows firefighters access to the entire structure in case of fire and prevents unnecessary damage due to forced entry into a building.

Major Projects in 2007-2008

Listed below are some of the new developments started or completed in 2007:

Name	Location
Autumn Leaves Alzheimer Care Facility	495 Alexandra Blvd
Davenport Funeral Home	419 E. Terra Cotta Avenue
Lauth Property Group Medical Office Building	525 Congress
Harris Bank	1105 S. Route 31
CVS Pharmacy	1305 Randall Road
Grand Appliance	1275 Randall Road
Pauly Toyota	1035 S. Route 31
Wal-Mart	1205 S. Route 31
Central Park Place Retail	1125 & 1145 Route 31
Woods Professional Office Buildings	N. Route 31
GBJ Properties – Business/Retail	1520 & 1540 Carlemont
Randall Plaza Business/Retail	435 Angela Dr.
Tickets Now	265 Exchange Drive
Bickford Cottage Assisted Living Facility	717 McHenry Avenue
Nass Development	135 Erick Street
Erick Street Commons	407 & 413 E. Terra Cotta Avenue
Crystal Lake Medical Arts	360 Station Drive

The following buildings went through major remodeling in 2007:

Name	Location
Crystal Lake Public Library	126 W. Paddock Street
The Salvation Army	290 W. Crystal Lake Avenue
Darlington Apartments	560 Darlington Lane
Petsmart Hotel	4465 S. Route 31
Finn McCool's Restaurant	72 N. Williams
All American Wood	7103 Sands Road

Life Safety Inspections & Fire Inspector Training

The purpose of the Life Safety inspection program is to reduce the chances of injury or serious harm to the people in our community from the effects of fire or other related causes by education, code enforcement and good building construction practices. Also, to identify and correct hazards and conditions that could cause a fire to start or contribute to the fire's spread, and to determine conditions that will endanger occupants and firefighters during a fire.



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The goal was to begin life safety inspections in September of 2007. Company Officers and Firefighters began training in the summer of 2006 and completed training in the third quarter of 2007. In September and October 2007, training inspections were conducted with Bureau staff to acclimate our firefighters to the inspection process. Starting in November of 2007, each Company began inspecting 5-7 occupancies monthly, with a goal to complete an inspection of every commercial occupancy within 2-3 years. Future goals include annual inspections of high-risk buildings and eventually annual inspections for all occupancies.

These inspections will benefit the community, employees, business owners, business customers and firefighters by providing a safer environment to work or visit. Six areas were identified as high priorities during the first round of inspections. The six areas identified include:

1. Fire Suppression and Detection Systems
2. Exiting and Emergency Lighting
3. Storage
4. Fire Extinguishers
5. Accessibility
6. Address

The fire companies are receiving assistance from the Bureau for follow up violations and are also receiving monthly training relating to the high priority areas of concern. Response from the community has been very positive

Specialized Rescue Teams – 2007

Lieutenant Kirk Kiermas – Dive Master

During the year 2007, the Crystal Lake Fire Rescue Dive Rescue Team (DRT) participated in 16 Crystal Lake sponsored training dives. Dives are scheduled throughout the year in order to give DRT members practical experience in all weather conditions. Dive drills at night have helped to improve member's skills and confidence. Many incidents that require DRT response are in fact at night and can present special challenges that need to be met. Maintaining proficiency in basic, as well as, advanced skills has been an ongoing goal of the Crystal Lake Fire Rescue DRT. Repetitive exposure to local bodies of water in the Crystal Lake area keep team members familiar with points of access that may change, as well as, water and bottom conditions.



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Some of the specific diving skills that are focused on in training during the year include the following:

- Underwater hardwire communication
- Underwater wireless communication
- Compass navigation
- Basic skills refresher
- Ice diving
- Night diving
- Search and recovery techniques
- Boat operations
- Rope signal communications
- Underwater entanglement training
- Deep water techniques

DRT members were all certified at the Dive Rescue I level this year. Dive Rescue I is a nationally recognized certification specializing in advanced dive rescue and recovery procedures. Team members were trained in scene stabilization and organizational techniques. Members were also trained in witness interviewing and special techniques to determine last known location for victims and/or evidence. DRT members learned and practiced new dive techniques that proved to dramatically enhance recovery efforts.

2007 was the second year that combined training between the Crystal Lake Fire Rescue DRT and Crystal Lake Park District lifeguards was held. Each year, this combined training offers these specialized groups the ability to learn each other's policies, procedures and techniques for water related emergencies. This cooperation may prove to be a very valuable asset to the many visitors of Crystal Lake each year.

During the summer, DRT members participated in an advanced training exercise in Lake Michigan. Divers were able to train with several specific techniques that may only occur during actual search and recovery dive operations. This type of training is invaluable to the divers and provides for a greater level of knowledge in several areas. Crystal Lake Fire Rescue is a member of the Lake / McHenry County Specialized Response Team. This team could be asked to respond to a dive rescue incident in Lake Michigan. Divers were required to make entries and exits from a boat in open water under wave conditions. Divers were in constant, wireless communication with each other, which provided the experience of directing divers to specific locations requiring compass and dead reckoning navigation techniques. Staying in groups at all times, divers were also required to navigate through debris fields, which could create entanglement hazards. This type of work would be encountered in the search and recovery of submerged vehicles or boats that divers may be required to perform in any municipality in our area during a response. The deeper waters of Lake Michigan gave divers exposure to those special conditions.



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Night dive training is an important part of the DRT operation. This specific type of training requires additional manpower and equipment due to the lack of visibility underwater as well as above. Safety must always be our main concern. Incidents requiring DRT response frequently are during the evening. Training scenarios during the night take on a totally different air than similar scenarios held during the day.

The Crystal Lake Fire Rescue DRT is a highly trained and well-equipped team of professionals who are ready at a moments notice to respond to and perform highly specialized tactics in any water rescue or recovery incident. Crystal Lake DRT members continue to train and improve their skills to meet the ever-changing world of rescue in order to better serve the citizens who call upon them.

Lieutenant Dan Grischow – Specialized Rescue Team Coordinator

Crystal Lake Specialized Rescue Team (SRT) was very active in training in 2007. The Crystal Lake Team is also a part of the larger Lake / McHenry County team which prepares for high risk, low frequency events. As no one department can have all the equipment and manpower to handle these events, the combined manpower and specialized equipment from Lake and McHenry Counties are able to handle these infrequent calls for service.

Team members train in four major specialties:

- Structural Collapse
- Trench Rescue
- Confined Space Rescue
- Vertical Rescue



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Crystal Lake hosted 8 different drills to countywide members along with the many departmental drills included with our daily training schedule.



Many thanks go out to the Crystal Lake Public Works Division who provided facilities, equipment and manpower to help with these invaluable drills. Along with trainings in Crystal Lake, members attend drills that other Lake / McHenry Fire Departments host. These trainings give our members valuable skills that they can bring back and share with the rest of the department.

Early in December 2007, Crystal Lake Fire Rescue received Lake / McHenry Specialized Truck 6956 with an SRT roll off container to be housed at Crystal Lake Fire Station 3. This truck can hoist the roll off container on and off its frame in 30 seconds. The roll off container has equipment for the four major specialties, which will be combined, with the specialized rescue equipment that Crystal Lake already maintains. This gives the SRT team versatility in moving equipment and being able to drop it on an emergency scene for use.



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Although this is the first specialty container in McHenry County, the team is working to gain further equipment to prepare the team for any event that might occur.

Lieutenant Dan Grischow – HazMat Team Coordinator

Crystal Lake Fire Rescue Hazardous Materials (Haz Mat) Team members like the SRT team members are part of the larger Lake / McHenry Hazardous Materials Team. Crystal Lake has five members who are certified to the Hazardous Materials Technician "B" level. This involves an annual commitment of at least 40 additional hours of hazardous materials training. Technicians train with specialized air monitors, fully encapsulated suits, and a host of technical equipment related to identifying hazardous materials.

Crystal Lake hosted a countywide hazardous materials drill this year at Chemtool, Inc located at 8200 Ridgefield Road. This drill simulated an industrial accident involving several workers and leaking chemicals. About 40 technicians worked for about 3 hours to contain the chemicals and safely rescue the simulated victims. It was a valuable learning scenario that helped the team prepare for a real incident.

Crystal Lake also sent a member to the Hazardous Materials Validation Drill in Champaign, Illinois this past summer. This drill simulated a response from Mutual Aid Box Alarm System (MABAS) teams to a real incident. Lake / McHenry Hazardous Materials Team members responded and solved a host of problems that might occur in a disaster situation. Team members worked with other MABAS teams to solve problems over an almost 36-hour non-stop period.

In 2007, Crystal Lake Fire Rescue had one call for service in our jurisdiction that required a call out for the Hazardous Materials team. Technicians from Crystal Lake and Woodstock worked quickly to contain a chemical and diesel fuel leak following an accident involving a truck and a car. Although the call for service for our technicians does not occur everyday, the knowledge and skills they offer provides piece of mind when an incident occurs.



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Emergency Medical Services (EMS) – 2007

Lieutenant Robert Olszewski – EMS Coordinator

The year 2007 identified more changes in regards to EMS within the Crystal Lake Fire Rescue Department. Much of the focus that our Department realized in 2007 was in the area of personnel safety and public service. This was confirmed with the McHenry / Western Lake County EMS System adding cutting edge tools to the required list of equipment that is carried on all Advanced Life Support (ALS) units.

Equipment

The addition of the mucosal aerosol device (MAD) and the intraosseous device (EZ-IO) increased the ability of emergency personnel to perform their skills at a greater capacity and with more efficiency. These devices assist in providing a route for our personnel to administer medications more rapidly, thus providing better patient outcomes.

Other equipment that Crystal Lake has added is new glucometers and a bariatric ambulance cot. The glucometers assist in acquiring glucose readings, which are essential when treating patients that suffer from diabetic emergencies. The new glucometers provide readings in as little as 5 seconds.

A bariatric cot was purchased to ensure we have the necessary equipment to transport our customers safely based upon their special needs. The bariatric cot has a maximum weight capacity of 1600 pounds when utilized in the lowest position.

In focusing attention to personnel safety, all Crystal Lake Fire Rescue personnel were provided a set of safety glasses. These glasses provide a source of safety from bloodborne pathogen infectious substances that they may encounter in the course of providing emergent care. The glasses will reduce the likelihood of exposure in these instances. A policy for their usage accompanied the dispersal of the equipment so there is clarity of the purpose and use of the equipment.

The Department is continuing its preventative maintenance program on the cardiac monitors, cots, and patient moving equipment. This program focuses on the state of readiness of our critical equipment.

EMS policies

Policies that provide safety to Crystal Lake personnel were introduced. The Red Lights policy, which outlines that all stable, basic life support (BLS) transports will be undertaken with no lights or sirens used. This act will reduce the likelihood for personnel to be involved in an automobile accident with a patient that is not critically injured. This policy coincides with state law that communicates the use of red lights and sirens on a case sensitive transport to a hospital.



Crystal Lake Fire Rescue Department 2007 Annual Report



The Abandoned Infant Policy outlines steps that will be taken should a fire or police department receive an abandoned newborn infant. The Crystal Lake Fire Rescue Department is fully compliant with the requirements of the state, which includes the posting of abandoned baby acceptance signs outside of all police and fire stations in the City.

Training

Crystal Lake Fire Rescue continued holding monthly meetings with the administration of the McHenry / Western Lake County EMS System. The purpose of these meetings is to encourage open communication and to identify problems and deficiencies in operations between the two entities.

In an attempt to ensure beneficial communications with the medical system and to increase departmental education, Crystal Lake Fire Rescue Department increased the number of training opportunities delivered by our EMS system. These additional training sessions cover all aspects from cardiac care to report writing.

Training Bureau - 2007

Robert Kohley – Bureau Chief of Training

In 2007, the Training Bureau continued with the primary goal of providing as many training opportunities as possible to the personnel of the Crystal Lake Fire Rescue Department. Remaining proficient in all areas of emergency operations is paramount to the safety of our personnel.

In addition, adherence to state and federal training requirements will assist the Crystal Lake Fire Rescue Department in providing for the safety of the public we serve. Agencies that mandate or have set minimum, annual training standards are:

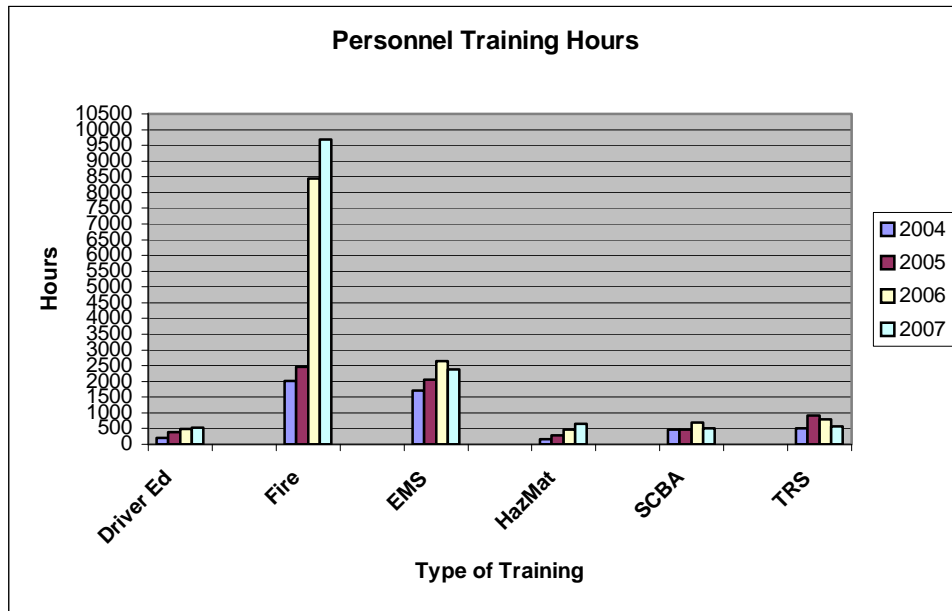
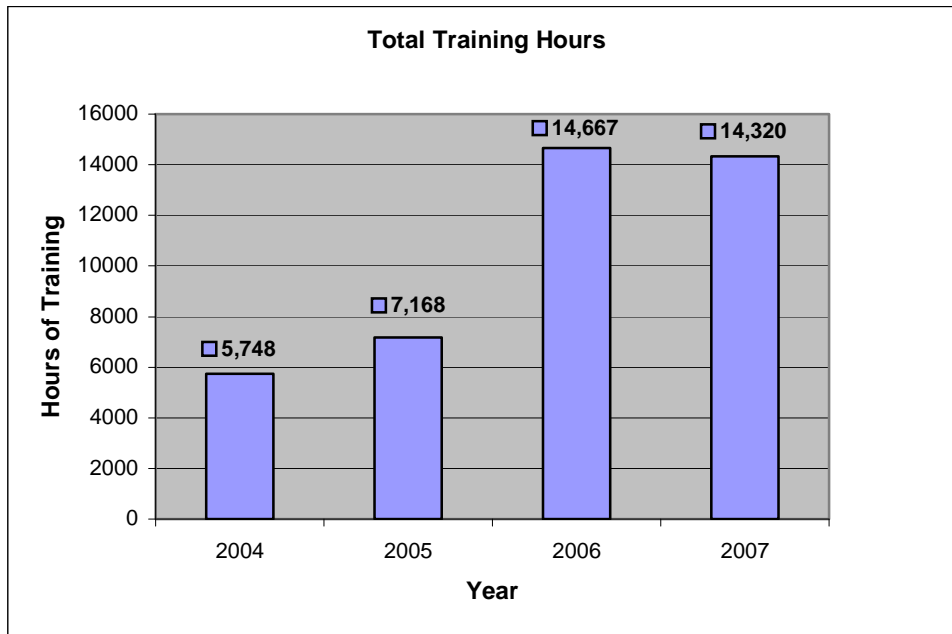
- Crystal Lake Fire Rescue Department (CLFRD)
- Department of Homeland Security (DHS)
- Illinois Department of Labor (IDOL)
- Illinois Department of Public Health (IDPH)
- Insurance Services Office (ISO)
- Intergovernmental Risk Management Agency (IRMA)
- National Fire Protection Association (NFPA) Standard 1500

2007 Department Training Bureau Statistics

Crystal Lake Fire Rescue Department personnel attended 4,776 training sessions (in-house and outside training classes) and logged 14,320 hours of training.



Crystal Lake Fire Rescue Department 2007 Annual Report



Professional Development Courses Attended

The following is a list of professional development courses attended by CLFRD personnel in 2007:

- Emergency Response to Terrorism – Basic Concepts – 1 personnel
- Fire Origin and Cause – 48 personnel
- Cardiopulmonary Resuscitation Instructor – 3 personnel
- Advanced Cardiac Life Support – 2 personnel



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- Infection Control Officer – 2 personnel
- Fire Instructor I – 3 personnel
- Fire Instructor II – 1 personnel
- Management I – 2 personnel
- Management II – 4 personnel
- Management III – 2 personnel
- Management IV – 1 personnel
- Tactics and Strategy I – 7 personnel
- Tactics and Strategy II – 4 personnel
- Fire Prevention Principles – 5 personnel
- Fire Investigator Module I, II, & III – 3 personnel
- Hazardous Materials Incident Command – 6 personnel
- Hazardous Materials Operations – 5 personnel
- Hazardous Materials Awareness – 1 personnel
- Fire Apparatus Engineer – 1 personnel
- Firefighter II – 1 personnel
- Firefighter III – 3 personnel
- Wildland Firefighter – 1 personnel
- Rope Operations – 1 personnel
- Swift Water Technician I & II – 1 personnel
- Company Officer Boot Camp – 1 personnel
- Fireground Company Officer – 2 personnel
- Fireground Command Officer – 2 personnel
- Light-Em' & Fight-Em' – 5 personnel
- Reading Smoke Seminar – 2 personnel
- 12-Lead EKG Interpretation Seminar – 2 personnel
- National Incident Management System, ICS 300 – 17 personnel
- Developing Fireground Excellence Seminar – 1 personnel

Certifications

The following is a list of certifications obtained by CLFRD personnel in 2007:

- Firefighter II – 1 personnel
- Firefighter III – 7 personnel
- Fire Officer II – 1 personnel
- Fire Apparatus Engineer – 2 personnel
- Fire Instructor I – 3 personnel
- Fire Instructor II – 1 personnel
- Wildland Firefighter – 1 personnel
- Hazardous Materials Incident Command - 6 personnel
- Hazardous Materials Operations – 5 personnel
- Hazardous Materials Awareness – 1 personnel
- Fire Service Vehicle Operator – 49 personnel
- Technical Rescue Awareness – 1 personnel



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Automatic-Aid Training

In an effort to provide better fireground support to neighboring communities and meet an Insurance Services Office annual training requirement, the Crystal Lake Fire Rescue Department, Huntley Fire Protection District, and Algonquin/Lake in the Hills Fire Protection District initiated quarterly automatic-aid training.

Automatic-aid training allows personnel from all three departments to get to know one another, each other's capabilities, and the ability to compare equipment that each department utilizes.

In 2007, Crystal Lake Fire Rescue Department conducted 16 automatic-aid training sessions for a total of 107 hours.

Fire Origin and Cause Course

During May 2007, over 40 Crystal Lake Fire Rescue Department personnel participated in a pilot version of the Fire Origin and Cause Course through the Illinois Fire Service Institute (IFSI).

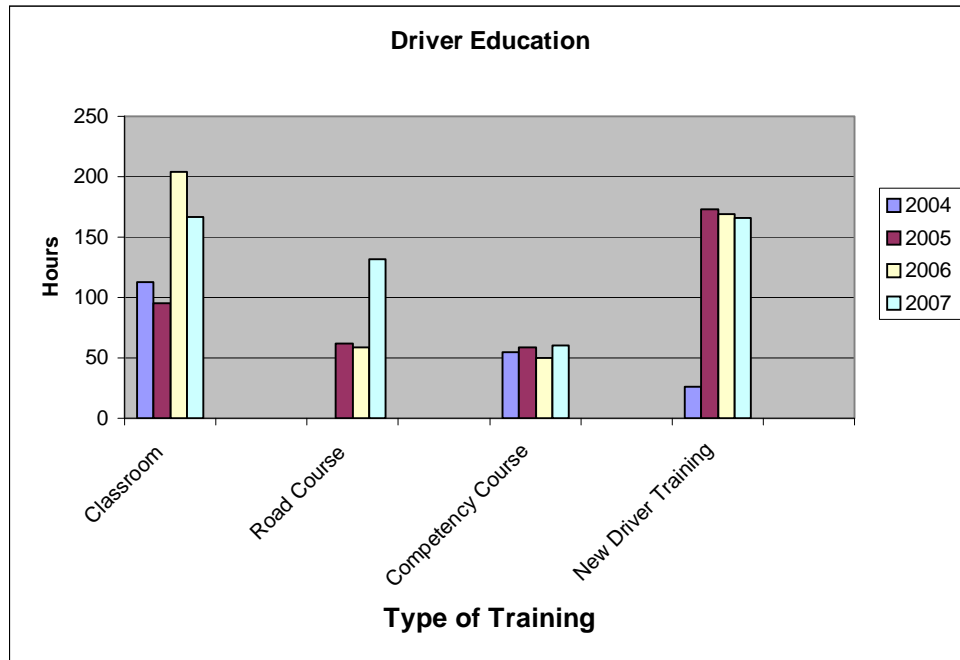
The course was presented in an on-line, self-study, adult learning format. The training was provided free to Crystal Lake Fire Rescue Department for piloting the course.

Driver Education

A continued emphasis on driver education in 2007 resulted in a reduction of vehicle/apparatus accidents from 6 accidents in 2006 to 2 accidents in 2007. Quarterly driver training was continued for all personnel and new driver non-emergency training was emphasized during probationary orientation to improve driving proficiency with apparatus.



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Crystal Lake Ambulance maneuvering through the 3-point turn.



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Crystal Lake Engine about to enter the serpentine section of the driving course.

Fire Officer Training

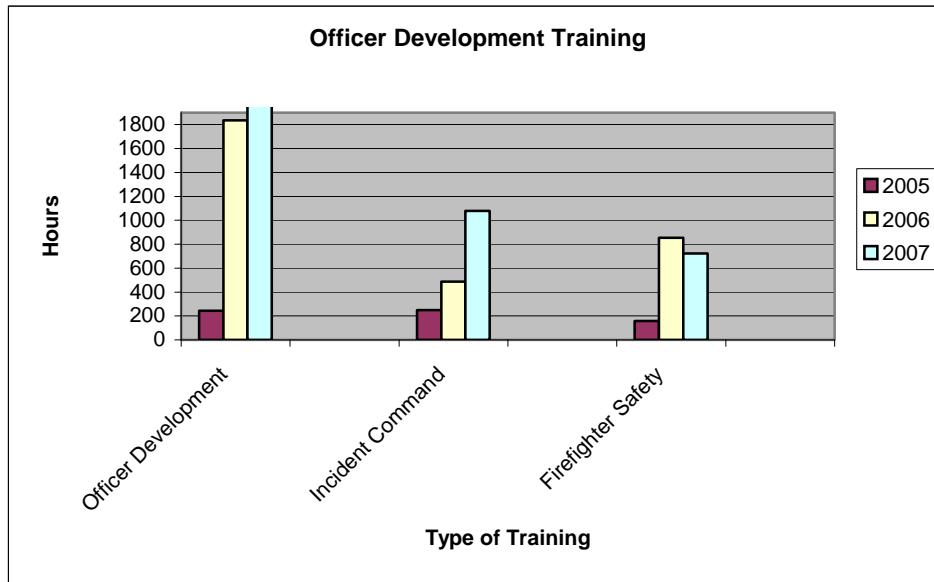
Beginning in 2006 and continuing into 2007, an emphasis was placed on officer development. Enrollment in Fire Officer I and II courses increased, as well as, participation in Department sponsored officer development opportunities.

During 2007, 4 officers spent a week at the University of Illinois Fire Service Institute in Champaign. Lieutenants Jerry Larsen and Chris Olsen attended the very intense 40-hour Fireground Company Officer School, while Battalion Chiefs Tom Arendarczyk and John Lardino attended the 40-hour Fireground Command Officer School.

The two courses come together during the practical exercises to allow the command officer to run the fireground while the company officers run the companies.



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Deputy Assistant Chief (Ret.) John Norman (FDNY) Seminar

On February 20, 2007, Deputy Assistant Chief (Ret.) John Norman of FDNY presented Fireground Tactics, Fire Behavior, and Firefighter Survival to over 45 Crystal Lake Fire Rescue personnel. This training gave those in attendance the opportunity to have direct interaction with a well-educated and knowledgeable command officer.

On February 21, 2007, the Crystal Lake Fire Rescue Department, in a cooperative effort with the Crystal Lake Firefighter's Association, hosted Chief Norman as he presented his 8-hour Fireground Tactics seminar to over 350 firefighters (including 20 Crystal Lake Fire Rescue Department personnel) from over 50 area fire departments.



Deputy Assistant Chief (Ret.) John Norman (FDNY)



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Chief Norman, the author of the best-selling book "Fire Officer's Handbook of Tactics" drove home many points in his two days in Crystal Lake. One of his repeated points was the "Elements to be considered in the Survival Survey." Chief Norman discussed that to operate safely, it is essential for firefighters to seek the answers to the following six questions before entering the fire building:

1. What is the occupancy? Is the hazard to civilian life high or low?
2. Where are the occupants? Are they in danger or already outside?
3. Where is the fire? Is it in "problem" or "routine" areas?
4. How do we get into this building?
5. When things go very badly, how do we get out? Where are the alternate escape routes?
6. What is the fire doing to this building? Is there collapse or extension potential?

Probationary Employee Program

The Probationary Employee Program continued to be utilized with the hiring of seven new firefighter/paramedics in the fall of 2006 and one new firefighter/paramedic in August 2007. For the first 8-12 weeks, the new hires complete an orientation program that includes:

- Administrative Issues
- Bloodborne Pathogens
- Driver Education
- HazMat Refresher
- Essential Skills Assessment
- EMS Skills Assessment
- EMS System Entry
- EMS Field Internship

The Probationary Employee Program is a combination of self-study and Department driven objectives. It consists of four modules that cover the main objectives and essential job knowledge of a firefighter/paramedic. Each probationary employee rotates to a different station to allow them to work with other shift personnel during their probationary period and to be exposed to the entire response area served by the Crystal Lake Fire Rescue Department.

Paid-On-Premise (POP) Orientation Program

After several months of hard work, the POP Liaisons and the Bureau Chief of Training developed a 10-week orientation program for new POP personnel. The POP Orientation Program is intended to provide our POP personnel with a similar foundation as our new full-time personnel.

On June 25, 2007, 2 new POP's were added aboard and were the first to work through this new program.



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Self Contained Breathing Apparatus (SCBA) Training Trailer

The SCBA trailer was moved to Station 4 and the interior maze completed. To date, 4 McHenry County fire departments have signed an agreement to utilize the SCBA trailer:

- Huntley Fire Protection District
- McHenry Township Fire Protection District
- Richmond Fire Protection District
- Cary Fire Protection District

This trailer will provide valuable training to Department personnel, as well as to personnel from other neighboring departments because of its mobility. Firefighters will experience many different types of scenarios inside the trailer that range from wire entanglement and confined space to firefighter rescue and SCBA confidence training.

This project was made possible thanks to the contributions of local businesses Alexander Lumber and Duffy's Trucking.



SCBA Trailer



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View looking inside of the SCBA trailer. The center corridor is for the instructor to monitor student progress. Two course levels are located on either side of the trailer, as well as a third level under the floor.

Safety Officers and MABAS Box Cards

The fire departments of Crystal Lake, Huntley, Algonquin / LITH, and Cary have agreed to provide safety officers to each others departments for confirmed structure fires and mass casualty incidents. The purpose of this agreement is to improve fireground safety for all of our personnel operating on the scene.

Crystal Lake Fire Rescue Department revised many of its Mutual Aid Box Alarm System (MABAS) box cards to allow for greater operational ease. Some of the revisions were:

- Designated safety officers at all structure fires
- Engine and ambulance cards realigned to divide our response area into two areas, north and south of Crystal Lake Avenue.
- Rapid Intervention Team Chief Officers on the box alarm level of the engine cards.

Backsafe®/Sittingsafe® Program

In December 2007, the Crystal Lake Fire Rescue Department was awarded a \$1,500 grant from Intergovernmental Risk Management Agency (IRMA) to pilot a new back safety class entitled Backsafe®/Sittingsafe® from Future Industrial Technologies (FIT), Inc.

The pilot classes were held with Dr. Jim Clapper from FIT presenting a combination classroom and hands-on training session that focused on proper stretching, lifting, and sitting while working.



Crystal Lake Fire Rescue Department 2007 Annual Report



47 Department members were able to participate in this valuable training and had very favorable comments about the training on the end-of-course evaluations.

Safety Committee – 2007

Bureau Chief Robert Kohley– Fire Rescue Safety Officer

The Crystal Lake Fire Rescue Department Safety Committee is an integral part of the City of Crystal Lake's overall risk management plan and program. Through the Safety Committee, management and employees can communicate safety concerns and ideas. The purpose of the Fire Rescue Department Safety Committee includes:

- Promotion of an environment of open communication to create a safer work environment.
- Creation of a shared vision that will enable action and promote a safe work environment for all employees.
- Utilizing the accident/injury review process, the committee will play an instrumental role in reviewing accidents/injuries, formulating remedial actions to prevent accident reoccurrence, and determining preventability and non-preventability.
- Providing a liaison between the Fire Rescue Department members and the City of Crystal Lake Executive Safety Committee.

Accident/Injury Investigation Equipment

To aid in the accident/injury investigation process, the Fire Rescue Department purchased digital cameras for the front-line fire engines. The purpose of the cameras is to help the Company Officers on the scene of an accident or injury involving Fire Rescue personnel to document the accident or injury scene as part of the initial investigation.

Safety Concerns/Suggestions

In 2007, the Fire Rescue Department had two safety concerns/suggestions forwarded to the Executive Safety Committee for consideration of an award. Both submissions resulted in our employees receiving a \$25 gift certificate from the Crystal Lake Chamber of Commerce and are listed below:

- FF/PM John Volenec submitted a safety concern/suggestion regarding safety tape on the handles of hand tools for better grip by fire personnel. Friction tape and rope were added to many of the hand tools on the fire engines to provide a better grip for all department personnel when in use.



Crystal Lake Fire Rescue Department 2007 Annual Report



- FF/PM Brian Menzimer submitted a safety concern/suggestion regarding the boat props being exposed and possibly injuring Department personnel or members of the public. Prop covers were purchased to address this concern.

Fire Rescue Safety Award Program

To supplement the City's Safety Suggestion Program, the Fire Rescue Department began its own Safety Award Program on October 1st. Each quarter of every year, the shift with the best safety record for the quarter will be rewarded with a \$75 gift certificate to be used locally.

Policy Development

The Fire Rescue Department Safety Committee worked diligently throughout the year to develop or revise policies related to safety of Department personnel. To implement several of the policies developed, additional safety equipment was purchased in 2007 and distributed to Fire Rescue Department apparatus for use in the field to protect Department personnel.

Policies developed in 2007 were:

- **Roadway Traffic Control Policy**
 - This policy began as a Fire Rescue Department policy and then became a Joint Public Safety Policy for the Fire Rescue and Police Departments, and Public Works Division of the City of Crystal Lake.
 - Signs to communicate an "Emergency Scene Ahead" message to motorists were purchased along with pop-up road cones to direct traffic around an emergency scene. Safety vests for all fire personnel working on a roadway were purchased to meet the federal standard for worker safety and protection as outlined in the Department of Transportation – Manual of Uniform Traffic Control Devices.
- **Respiratory Protection Policy**
 - This policy was revised to include the use of Chemical Biological Radiological Nuclear (CBRN) gas masks and to identify protective measures for fire investigators at fire scenes.
- **Lock-out/Tag-out Policy**
 - This policy was developed to help protect Fire Rescue Department personnel on emergency calls where energized equipment need to be isolated for safer fire operations. A video describing lock-out/tag-out procedures was purchased for training Fire Rescue personnel. Lock-out/tag-out kits were issued to every fire engine and fire station for use by Department personnel.



Crystal Lake Fire Rescue Department 2007 Annual Report



Training Issues

In an effort to reduce injuries and accidents involving Fire Rescue Department personnel, several areas of training were identified for emphasis as the year progressed. In 2006, an increased emphasis was put on driving/operating Department vehicles. As a result of that effort, the number of accidents reported in 2007 was only 2, compared to 2006 when there were 6.

Another training emphasis in 2007 was personnel safety in the field, specifically back safety. In 2007 several outside agencies made presentations to Fire Rescue Department personnel regarding proper lifting and back safety:

- Intergovernmental Risk Management Agency presented Ergonomics and Back Safety training.
- Future Industrial Technologies, Inc presented the Backsafe®/SittingSafe® program (discussed further in the Training Bureau Annual Report).

Facilities Report - 2007

Lieutenant Chris Olsen– Fire Station Manager

The facilities we operate in also serve as our home away from home. Several new projects were launched this year in our 3 fire stations.

New projects completed during 2007

Station 1

- 2 turnout gear dryers installed in turnout gear room.
- 3-tier hose rack acquired to store spare fire hose.

Station 3

- Turnout gear dryer installed in the workshop/laundry area.
- New hose rack was purchased for better storage of our spare hose.
- Station 3 signage on Virginia Road was redone to bring the sign into compliance with the adopted City sign ordinance.
- Address numbering was installed on the building and street sign to comply with City Ordinance.
- Flagpole was installed on the northwest corner of the property.



Crystal Lake Fire Rescue Department 2007 Annual Report



Station 4

- Safety features installed to prevent injuries around steps and doors.
- Turnout gear dryer installed in the workshop/laundry area.

Maintenance/Replacement projects during 2007

Station 1

- Replace air-line drops for vehicles.
- Reorganize watch office to create additional workspace.

Station 3

- Carpeting in the lower and upper living areas was replaced.
- New phones were installed throughout the station.
- 2 out of 3 wall air conditioners were replaced.
- Purchased a refurbished motor to replace the existing motor in the Department's engraver.
- Heavy-duty electrical cord reels were purchased for the vehicle shorelines.
- Heavy-duty garden hose reels were installed to replace worn and damaged hose hangers.
- Replace worn hinges on two service doors.

Station 4

- Replace original ice machine due to unit reaching end life.



Crystal Lake Fire Rescue Department 2007 Annual Report



Juvenile Firesetter Program - 2007

Battalion Chief Thomas Pollnow – Juvenile Firesetter Coordinator

The Juvenile Firesetter Program is an educational program to assist the juvenile in understanding the dangers and consequences of fire play. This is a voluntary program and also can be assigned as part of a judgment by the juvenile court system.

Three juvenile cases were assigned to Crystal Lake Juvenile Firesetter Counselors in the year 2007. The three cases were all assigned by the juvenile court system in McHenry County.

Apparatus Report – 2007

Lieutenant Jerry Larsen – Apparatus Coordinator

The biggest change occurring with the Department's apparatus was the retirement of Battalion Chief Tom Arendarczyk in July. Batt. Chief Arendarczyk was responsible for the Department's apparatus for the past 20 years. With the help of the City's Fleet Division, FF/EMT Chris Williams, FF/PM Dave Kaltenbach and Lt Jerry Larsen will continue to care for the Department's apparatus with the same passion.

The Fire Rescue Department apparatus consists of:

- 5 Engines (3 Frontline, 1 Call-back, 1 Reserve)
- 5 Ambulances (3 Frontline, 1 Call-back, 1 Reserve)
- 1 Aerial Ladder Truck
- 1 Squad
- 1 Tender (3000 gallons)
- 1 Brush Truck
- 2 Chief Officer Cars
- 3 Bureau Cars
- 3 Support Vehicles
- 1 Dive Rescue Truck
- 2 Boats
- 1 Fire Safety House Trailer
- 1 Specialty Response Trailer
- 1 SCBA Training Trailer



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Trained professionals from the City's Fleet Services Division, who specialize in emergency vehicle work, maintain each of these highly specialized pieces of equipment. In 2007, our Fleet Division conducted preventative maintenance work on all our apparatus. In 2006, much of the preventative maintenance work was outsourced. Markups on parts and labor costs, as well as, additional costs associated with delivery, pickup and down time of the apparatus were contributing factors to deciding to return the service to the City. The switch back to Fleet Services will allow scheduling of maintenance to be based on hours of use as opposed to a quarterly schedule. This practice ensures that the vehicles are receiving necessary fluid changes in a timely fashion.

Pump Testing and Aerial/Ground Ladder Inspection

All apparatus with a pump received their annual pump test according to National Fire Protection Association (NFPA) guidelines. Underwriter's Laboratories performed the yearly aerial ladder testing on Truck 381 and on all the Department's ground ladders.



FF/EMT Mike Hurley (L) and FF/EMT Chris Williams conduct a routine inspection of the hydraulic outriggers of Ladder Truck 381.

Safety Lane Testing

The Department's licensed vehicles receive safety lane inspections every 6 months. These vehicles include the five ambulances, Squad 359, Dive 391, Pick-up 333 and Brush Truck 361.

Heat Pans

This year, Engines 341 and 342 had heat pans installed. A heat pan encloses the bottom side of the pump housing and uses radiant heat from the muffler to help keep water in the pump from freezing during the winter months.



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New Apparatus

The Department placed three new vehicles in service this year. The first is a Pierce Dash, 1500 gpm, Pumper. The new engine has LED lighting, roll up compartment doors, a 10K hydraulic generator, and pre-connected *Hurst* extrication equipment.



Engine 343

Second was a Ford E-450, Type III, Medtec Ambulance purchased from Foster Coach.



Ambulance 353



Crystal Lake Fire Rescue Department 2007 Annual Report



Lastly, a Ford E-350, four-wheel drive, pick-up replaced Car 333, a 1996 station wagon. The pick-up is a support vehicle that is capable of pulling the Department's Specialized Rescue Trailer and Public Education Safety Trailer.



Pickup 333

Specification for New Apparatus

The Department has worked with the Crystal Lake Rural Fire Protection District in the development of specifications of a new ambulance. The ambulance will be a Ford E-450, Type III, Medtec Ambulance from Foster Coach Sales. Delivery is expected in the first quarter of 2008.



Crystal Lake Fire Rescue Department 2007 Annual Report



Retired Members – 2007

In 2007, 4 of our members retired after 20+ years of service to our Department. Their dedication and commitment to making our community a safer place to live is something to be admired. Their efforts have helped guide us to the organization we are today.



Battalion Chief Tom Arendarczyk
26 years



Fire Inspector Mike McKay
26 years



Paramedic Anne Pierce
24 years



Firefighter/EMT Tom Ormsby
20 years



Crystal Lake Fire Rescue Department 2007 Annual Report



APPENDIX A

Station Locations

Station Information:

Fire Station #1
100 W. Woodstock St.



Fire Station #3
844 Virginia Rd.

Fire Station #4
8705 Bard Rd.





Crystal Lake Fire Rescue Department 2007 Annual Report



APPENDIX B Department Roster

Officers

James Moore	Fire Chief
Paul DeRaedt	Deputy Fire Chief
Ray Dominick	Bureau Chief of Fire Prevention
Robert Kohley	Bureau Chief of Training
Tom Pollnow	Battalion Chief
Tom Arendarczyk	Battalion Chief
John Lardino	Battalion Chief
Robert Martel	Lieutenant
Kirk Kiermas	Lieutenant
Robert Olszewski	Lieutenant
William Whyte	Lieutenant
Tim Butler	Lieutenant
Dan Grischow	Lieutenant
Jerry Larsen	Lieutenant
Robert Lutherus	Lieutenant
Chris Olsen	Lieutenant
Joyce Stevenson	Lieutenant

Members

Angelo, Chris	Kalisik, James	O'Brien, Rebecca
Bedore, Chris	Kaltenbach, Dave	Olsen, Heidi
Behrens, Jim	Kauke, Bryan	Olszak, Linda
Beyer, Tracy	Kerley, Tim	Ormsby, Tom
Bonney, Jim	Kopera, Chris	Penkava, Jamie
Brechbiel, Bob	Kownacki, Kevin	Perenchio, Marty
Bremner, Chris	Landt, Steve	Pierce, Anne
Buterbaugh, John	Laufer, Lloyd	Rozhon, Patrick
Cook, Darrell	LeClercq, Dave	Ryan, John
Cork, Casey	Leuck, Matt	Schmitt, Kim
Colucci, Gino	Linneman, Tom	Shiple, Carolyn
Forsberg, Joe	Ling, David	Stoddard, Rick
Fowles, Adam	Lovick, Chad	Sustek, Jim
Hardin, Tom	Lucas, Mike	Svejcar, Gary
Havemann, Ed	Lukas, Mike	Tamason, Brian
Howell, Todd	Marino, Brian	Thuma, Matt
Hurley, Mike	Menzimer, Brian	Volenec, John
Jakubowicz, Ray	Michael, Henry	Williams, Chris
Kaiser, Rick	Miller, Kelly	Williams, Dan