

Grandville Fire Department

2011 Annual Report





FIRE DEPARTMENT

3215 Wilson Avenue
Grandville, MI 49418-1299
Phone 616.530.6211
Fax 616.534.4926

March 2012

Mayor Buck, Members of the Grandville City Council and Citizens of the City of Grandville:

It is with pride that I present you with the Grandville Fire Department Annual Report for calendar year 2011.

2011 was a year of significant change for our department, as well as being the busiest year in total responses since 2006. We were also very active with training, fire prevention activities, fire inspections, child safety programs, and other community events.

In the pages that follow you will find detailed reports of these activities. First though, I would like to extend my sincerest thanks to:

- The City Council for their continued support of our department and programs.
- Chief Santo, Deputy Chief Steere and the men and women of the Grandville Police Department for their assistance throughout the year.
- DPW Director Ron Carr and his staff for maintaining our fleet, facility and water system along with other assistance.
- The City Manager, City Clerk, Treasurer and their staffs for budgetary, human resources, and administrative assistance.
- My staff for their support, professionalism, and dedication to protecting the lives and property of our citizens and visitors.

Finally, but most importantly, I would like to thank the citizens of Grandville. Your support of our department is truly humbling. On behalf of the entire department I thank you and pledge that we will continue to strive to provide you with highest quality fire and emergency medical services possible.

Respectfully Submitted,

Michael W. May
Fire Chief

Personnel

2011 was a year of significant personnel changes in the department. The most prominent of these changes was the retirement of our long time Chief, Harvey Veldhouse, in January. Chief Veldhouse was embraced by the community, our department, and other current and former city staff members at both an open house and dinner party that were held to honor his years of dedicated service.

On February 14, Michael May's appointment as Fire Chief was approved by the City Council and he began serving as Grandville's tenth Fire Chief the next day.

In May we mourned the passing of Retired Chief Marvin Osterink. Former and current Grandville Fire Department members were honored to be asked by Chief Osterink's family to participate in the funeral services. In October, members of the Osterink family were in attendance at the annual Silent Night ceremony that honors recently deceased fire service members. Chief Osterink's name was read into the roll call by Chief May during the ceremonies.

On July 31, three of our long time paid-on-call personnel, Lt. Larry Roelofs, Firefighter Dan VanderMarkt and Firefighter Jack Veldhouse, retired. Lt. Roelofs had served for 36 years and Firefighters VanderMarkt and Veldhouse served for 35 and 33 years respectively. All three were honored at a ceremony in August that was attended by an estimated 150 family, friends, fellow firefighters and other city staff.

These retirements along with other departures late in 2010 resulted in a 15 year low in the number of paid-on-call firefighters on our staff. Thanks to an aggressive recruiting initiative and careful selection process, we were able to add 8 new personnel to our ranks in the fall. They are currently attending a fire academy being sponsored by the Wyoming Fire Department and are anticipated to graduate in the spring of 2012.

On September 8, Scott Veldman was promoted to the position of Lieutenant / Training Officer after an extensive and very competitive selection process. Scott is a 14 year (11 years full time) veteran of our department. He is currently completing the training required to become a certified EMS and fire instructor.



Chiefs May & Veldhouse



Ret. Chief Osterink



2011 Retirees



Lt. Scott Veldman

Current Personnel:

Full Time Members

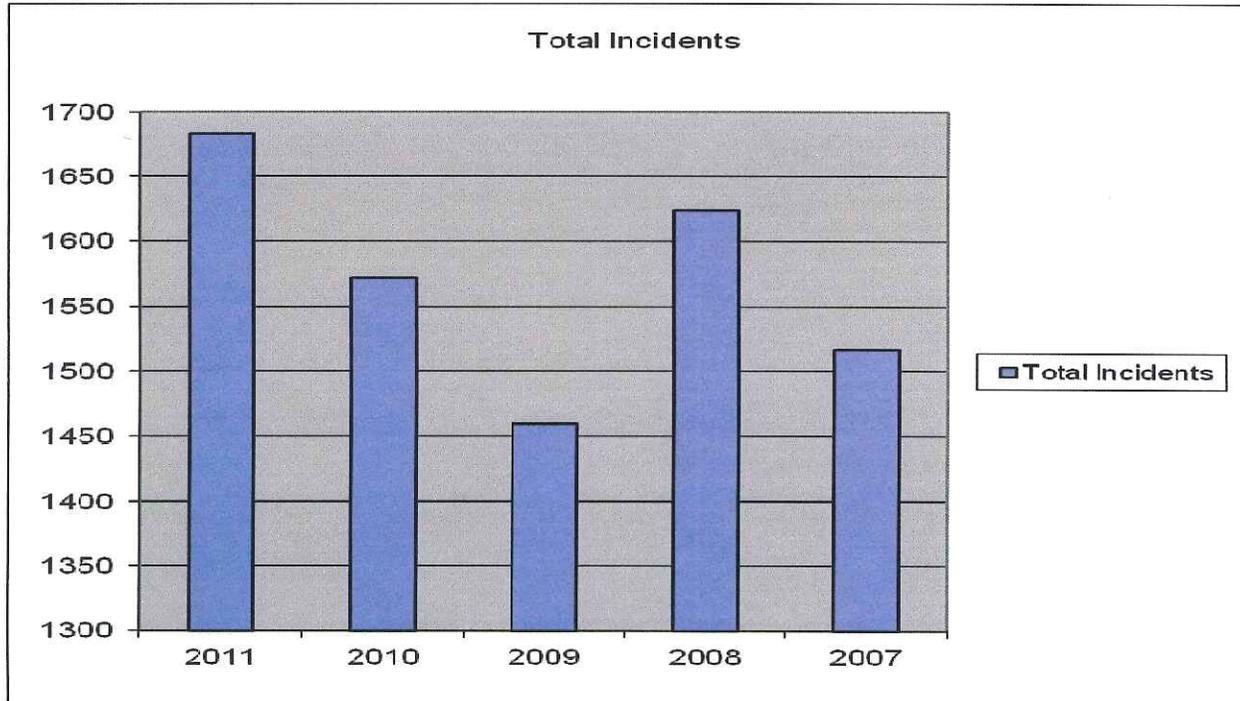
Michael May, Fire Chief (21 Years of Service)
Karen Burgenmeyer, Administrative Secretary (17 Years of Service)
Lt. Lynnae White, Fire Inspector (13 Years of Service)
Lt. Scott Veldman, Training Officer (14 Years of Service)
Tom Datema, Firefighter/EMT (21 Years of Service)
Kevin McNutt, Firefighter/EMT (14 Years of Service)
Kevin Newman, Firefighter/EMT (13 Years of Service)

Paid-on-Call Members

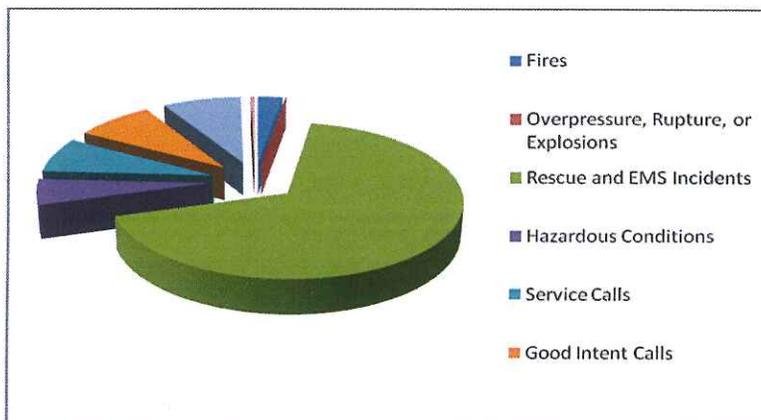
Ryan Austhof, Firefighter Trainee
Tom Blake, Firefighter/EMT (10 Years of Service)
Brian Ciluffo, Firefighter Trainee
Kevin Clark, Firefighter/MFR (4 Years of Service)
Marcus Deruyter, Firefighter (10 Years of Service)
Richard Dwarshuis, Firefighter/EMT (20 Years of Service)
Tony Grandy, Firefighter/MFR (25 Years of Service)
Bret Groendyke, Firefighter/EMT (9 Years of Service)
Scott Johnson, Lieutenant (29 Years of Service)
James Keranen, Firefighter Trainee
Jay Kwiatkowski, Firefighter/MFR (6 Years of Service)
Marc Larabel Jr., Firefighter (7 Years of Service)
Gary Loew, Firefighter/EMT (2 Years of Service)
Kevin Maday, Firefighter Trainee
Vanisa Martsof, Firefighter Trainee
Dennis McCrum, Firefighter Trainee
Brandon Ondersma, Firefighter/EMT (10 Years of Service)
Kevin Pasma, Firefighter/MFR (17 Years of Service)
Mark Perkin, Firefighter/EMT (17 Years of Service)
Wil Rouster, Firefighter Trainee
Paul Schemper, Firefighter/Paramedic (4 Years of Service)
Justin Stadt, Firefighter/EMT (4 Years of Service)
Dan Stuk, Firefighter/EMT (8 Years of Service)
David TerBeek, Firefighter (14 Years of Service)
Dale VanKley, Firefighter (27 Years of Service)
David Verstraete, Firefighter Trainee
James Walker, Firefighter/EMT (18 Years of Service)
Matthew Young, Firefighter/EMT (2 Years of Service)

Incident Responses

We responded to 1,623 total incidents in 2011. This represents a 5 year high in total responses, which was a trend also experienced by other area fire departments.



The weather played a significant role in an unusual number of incidents in 2011. On three separate nights in the summer and fall, severe thunderstorms with high winds caused considerable issues with downed power lines, trees and limbs. While these events resulted in several requests for service, there were no reported injuries and property damage was relatively minor. Weather was also a factor, either directly or indirectly, in all 3 of our residential house fires during the year.



Fires – We responded to 43 fires in 2011, the most significant of which were the following four incidents:

During a thunderstorm on May 29, the residents at 3082 Willow Creek heard what sounded like an explosion and detected an unusual odor in their home. They immediately evacuated the residence and called 9-1-1. Arriving firefighters found a significant amount of fire in a room in the basement of the home. They were able to rapidly extinguish the fire, confining it to the room of origin. The investigation of this fire found that there had been a lightning strike to a tree in the backyard. The energy from the lightning strike followed utility lines into the basement eventually arcing wires that ignited a nearby plastic shower stall. The energy from the lightning strike was so strong that basement windows were blown out of the next door neighbor's home and other neighbors reported damage to electric powered appliances. Using National Weather Service data, investigators determined that the single lightning strike that caused the event carried enough energy to power the entire City of Grandville.

The occupants later credited their rapid and appropriate response to the incident to fire safety programs they had attended at our department. The instructor of those programs, Firefighter Kevin Newman, was given a letter of commendation for his continued commitment to our fire safety programs.

On July 25, an occupant of the residence at 4648 Orchard Ct. noted an odor of smoke in the home. He investigated and found fire in an upstairs bedroom. He closed the door to the room, evacuated and called 9-1-1. Because the occupant thought to close the bedroom door before evacuating, firefighters were again able to confine the fire to the room of origin and its contents. The investigation of this fire found the source of ignition to be an electric fan that malfunctioned and started on fire. Flames from the fan spread to other nearby combustibles in the room. The homeowner advised investigators that the malfunctioning fan had been in use 24/7 for an extended period of time due to the heat.

On August 8 a resident of the Hamilton Park Apartments on Locke awoke to the sound of her smoke detectors going off and smoke in her apartment. She and her children evacuated and called 9-1-1. Firefighters were able to quickly extinguish a fire in one of the bedrooms in the apartment. We were again successful in confining the fire to the room of origin and its contents. Investigators determined that this fire was also caused by a malfunctioning fan, which per the resident had been in almost constant use for several days.

The fire that received the most attention last year occurred on October 7 at Padnos Recycling facility on Viaduct. Shortly after midnight motorists along I-196 began calling 9-1-1 reporting a large fire visible in the area. Arriving firefighters found several large piles of scrap automobile

parts well involved with fire. The magnesium and other chemicals involved resulted in a very colorful and spectacular appearing fire that blanketed much of the city and parts of surrounding communities in smoke. Firefighters worked throughout the early morning hours to control the blaze and protect the adjacent structure.

Because this was the fourth similar incident at Padnos dating back to 2010, many media outlets speculated that foul play may have been involved. Investigators, however, were able to determine that this and all of the incidents were accidental. The point of origin for all of these fires was in the core of the piles and determined to be a result of chemical reaction or spontaneous combustion events. Padnos' personnel have been very cooperative and worked diligently to take measures to prevent further incidents. The weather again played an indirect role in this incident. Following the first three fires Padnos put heat sensing and surveillance equipment in place to aid them in monitoring the scrap piles for heat and smoke. A thunderstorm a few days prior to the latest fire damaged this equipment though, and it was out for repair at the time.



Willow Creek Fire



Padnos Fire



Padnos Fire

Rescue and Emergency Medical Services – 1,140 of our responses in 2011 were to rescue or EMS incidents. We respond to EMS incidents with our SUV Medical Squads (E-Units) which are staffed primarily by our full time personnel. They are supported, when necessary, by members of our paid-on-call staff, most of whom also are licensed EMS providers.

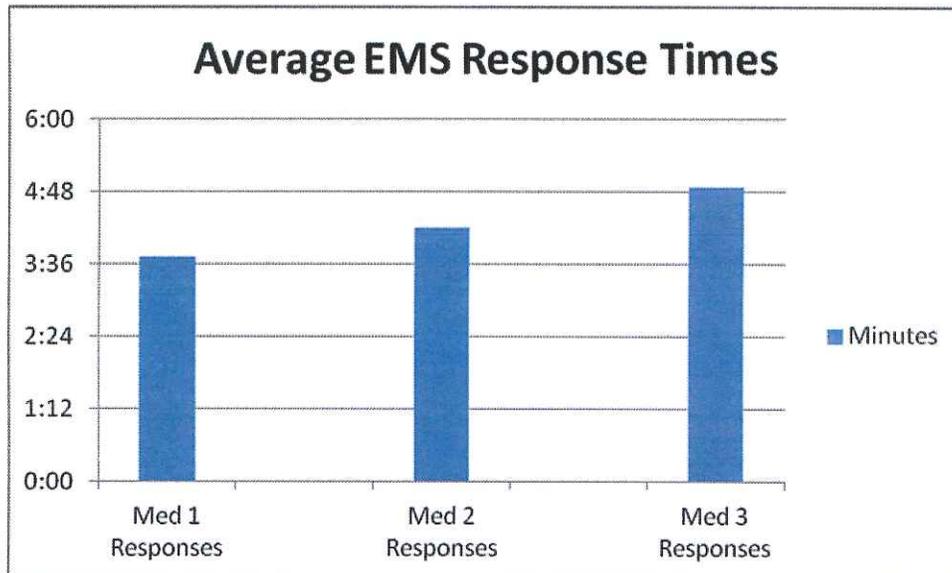
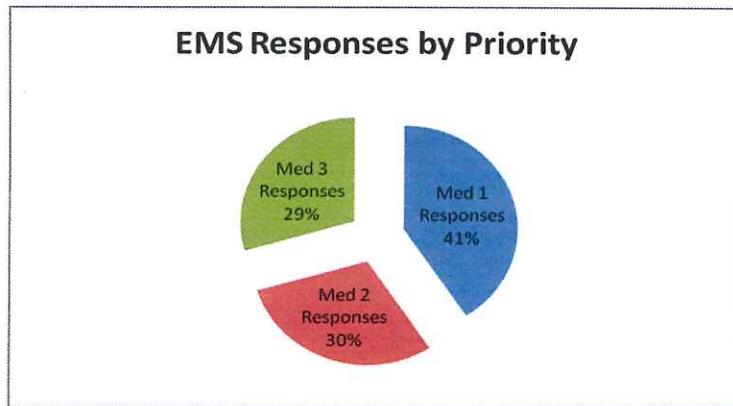
9-1-1 callers reporting medical emergencies are questioned by dispatchers using a standard set of protocols. Based on their responses to these questions the calls are assigned one of three priorities:

- Med 1 – Life Threatening Emergency (Fire Dept. and ambulance respond with lights/sirens)
- Med 2 – Non Life Threatening Emergency (Fire Dept. responds with lights/sirens; ambulance responds non-emergency.)
- Med 3 – Non Life Threatening Non Emergency (All units respond non-emergency)

Our 2011 totals for each priority and their average response times were:

Med 1 Responses	464	Average response time: 3:43
Med 2 Responses	339	Average response time: 4:12
Med 3 Responses	337	Average response time: 4:52

Note that for the purposes of this report, the response time data was calculated using only calls in Grandville. Automatic or mutual aid responses into our neighboring communities were not factored into the averages.



As part of a study that was recently conducted on Emergency Medical Services in Kent County, fire departments were asked to calculate our annual marginal cost for providing first response

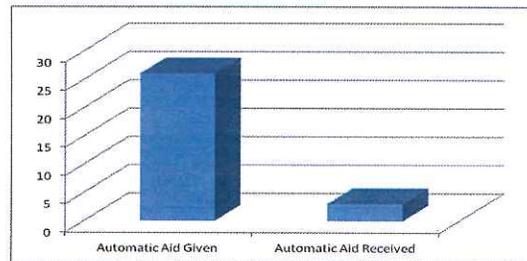
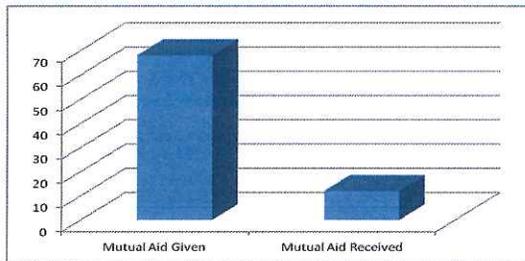
Grandville Fire Department Annual Report | 2011

EMS care. Our department's annual costs for providing this value added service were \$17,185.17 or just \$1.08 per capita, based on our most recent census data.

Our survival rate for cardiac arrest calls continues to be exceptionally high. We responded to a total of five cardiac arrest cases in 2011 and two of the victims (40%) survived to be discharged from the hospital. The overall survival rate for cardiac arrest countywide was 13.5% over a similar period of time.



Mutual and Automatic Aid – We continue to maintain strong relationships with our neighboring departments and routinely assist each other in times of need.



Although in 2011 we provided much more aid than we received, these arrangements are mutually beneficial to all of the involved departments. It is important to note that a majority of the aid we provided to our neighbors was for medical emergencies that are handled by our on-duty staff and require no additional personnel expenditures.

Also occurring in 2011 were amendments to our automatic aid agreements with Wyoming that extended the area in which we will receive aid from them.

Training

The delivery of fire and emergency medical services can at times be both complex and dangerous, thus we dedicate a great deal of time and effort into training. A total of 51 hours of training were provided in 2011 in the areas of fire and rescue operations, EMS continuing education and Firefighter Health and Safety. Included in these hours were a vehicle extrication program taught by a nationally recognized expert in the field and a live practice with the AeroMed helicopter.



Grandville Fire Department Annual Report | 2011

Our collaborative agreement with the Wyoming Fire Department remained in place and active. Under this agreement we provide administrative support to their EMS continuing education programs in exchange for access to their state approved fire training facility and staff.

Several of our members also had the opportunity to attend specialized training or professional development conferences. As noted below, many of these outside training opportunities were funded in all or part by various programs or groups that we partner with:

- **Advanced Vehicle Extrication Course**
FF Kevin McNutt, Lt. Lynnae White
- **Great Lakes Homeland Security Conference**
Chief May – *Fully funded by Kent Co. EMS*
- **Incident Response to Terrorist Bombings**
Lt. Lynnae White - *Fully funded by Department of Homeland Security*
- **Michigan Association of Fire Chief's Conference**
Chief May
- **Michigan Emergency Management Summit**
Chief May - *Fully funded by Grand Rapids MMRS*
- **Michigan Fire Inspector's Fall and Winter Conferences**
Lt. Scott Veldman and Lt. Lynnae White
- **NFPA Annual Conference and Expo**
Lt. Lynnae White – *Funded by NFPA scholarship*
- **Rapid Intervention Teams / Firefighter Rescue**
Lt. Scott Veldman, FF Tom Blake, FF Tom Datema, FF Bret Groendyke

Additionally, two of our Firefighters participated in a ride along program with AeroMed where they served as auxiliary crew members. Firefighter Tom Datema also completed course work toward his Associates Degree in Fire Science.

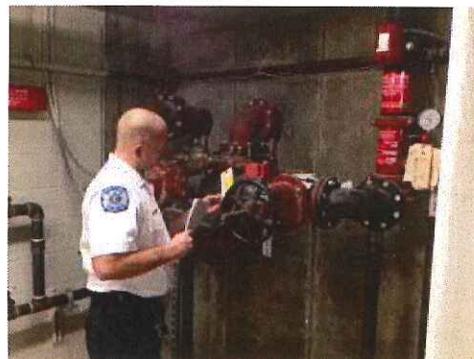
Lastly, a new program was developed by our training committee to support our 8 new Firefighter Trainees. This program will, for the first time, provide new personnel with a structured field training experience overseen by experienced personnel who expressed interest in mentoring the new Firefighters.

Fire and Life Safety Inspections

In 2011, a total of 118 fire and life safety inspections were conducted at local businesses. These inspections resulted in the detection of 108 code violations at 51 of the locations inspected. These violations were voluntarily corrected by the businesses, thus no enforcement actions were necessary.

Staff was also involved in plan review and acceptance for several Grandville area projects including the Meijer store renovation, the new construction at our Clean Water Treatment Plant, the Grandville Printing renovation and the CWD projects at 44th / Ivanrest.

Two of our full time personnel, Lt. Lynnae White and Lt. Scott Veldman, are certified Fire Inspectors. Lt. White is also a Certified Plans Examiner and NFPA Fire Prevention Specialist.



Fire Prevention and Education Programs

Fire prevention and education programs for the children in our community are a vital and important part of our overall mission. Working closely with our area school districts, we reach out to children early and often from pre-school through early elementary ages. By the time they reach third grade, most students in the area have visited our department two or three times. Our school tours are handled by Firefighter Kevin Newman. When presenting to the younger children, Kevin is assisted by his puppet partner Freddy the Fireman. Kevin and Freddy presented fire safety programs to 1,106 students in 2011.

We also host a Fire Prevention Open House each year on the first Tuesday in October. This is an immensely popular event that is consistently attended by hundreds of people. Our personnel enjoy this opportunity to meet and greet the members of the community while showcasing our equipment and services.

One needs to look no further than our consistently low fire related residential property loss and civilian fire casualties to measure the success of these programs.

In addition to our programs for young children and our annual open house we also participate in other educational and community events. Some of the events we were part of in 2011 included:

- A fire prevention talk for the National Association of Retired and Veteran Railway Employees.
- The East Elementary Science Fair
- Career Day at the Grandville Middle School
- The Handicap Challenge event for disabled children at Wedgwood Park
- Neighborhood Night at the Hope CRC
- The Fairlane Meadows neighborhood pig roast
- West Elementary School's annual block party
- St. Pius annual parish picnic
- The Vermont Avenue block party
- Chicago Drive Schwinn's grand re-opening
- National Safety Days at Sears Auto Center
- The Indian Springs Condo's Annual Chili Cookoff
- Harold Ziegler's child DNA and fingerprinting event
- First Aid and CPR for the local Cub Scout groups
- National Night Out

These events were attended by an estimated 400 people, bringing the total number of participants in our various programs in 2011 to nearly 2,000.



FF Newman with Freddy



Sparky the Fire Dog with a Friend

Child Safety Seat Inspection Program

Another service that we offer to the community is installation and inspection of child safety seats in automobiles. Our partner in this activity is the Greater Grand Rapids Chapter of Safe Kids Worldwide. This is an organization that brings together health and safety experts, educators, corporations, foundations, governments and volunteers to educate and protect families against accidental injuries.

Three of our personnel are certified Child Passenger Safety Technicians. We offer safety seat installation and inspections by appointment at least one evening every month and handle walk in requests if certified personnel are available. In 2011 our technicians assisted 112 citizens with these services.

Other Community Activities

In addition to our fire prevention, education and child safety programs we participated in several other community events in 2011:

- Along with the Walker and Wyoming Fire Departments, we assisted in the funeral services for Army Cpl. Joseph VanDreumel.
- Staff was actively involved in the planning and execution of the annual July 4 celebration and related events.
- We supported the Grandville High Schools participation in the Wounded Warriors project by flying a large flag at last year's Homecoming game. We were assisted by the Wyoming Fire Department at this event.
- Our units and personnel assisted the cities of Wyoming and Walker during the funeral services for fallen Walker Officer Trevor Slot.
- Along with Mayor Buck and Officer Greco, Chief May acted as a judge at the Central Elementary pumpkin decorating contest.
- We again acted as a collection point for the Toys for Tots campaign. This was the most successful year in recent memory as far as the number of toys that were donated here. We were also very successful in procuring food donations for Love, Inc. and food and supplies for Saving Argo Dogs.



Grandville and Wyoming FD at Slot funeral

Acknowledgements

We sincerely thank you for your interest in our department and for your continued support of our programs and personnel. Feel free to contact our offices if you have any questions about this report, or our services.

We would also like to thank Dan Johnson and Friends Photography, Matt Groesser of the Kent County Sheriff's Department and WOOD TV 8 for supplying some of the photographs used in this report.



Grandville Fire Department

Incident Type Report (Summary All Incidents)

Alarm Date Between {01/01/2011} And {12/31/2011}

Incident Type	Count	Pct of Incidents	Total Est Loss	Pct of Losses
1 Fire				
100 Fire, Other	2	0.11%	\$300	0.06%
111 Building fire	16	0.95%	\$132,200	29.92%
113 Cooking fire, confined to container	2	0.11%	\$0	0.00%
116 Fuel burner/boiler malfunction, fire	1	0.05%	\$500	0.11%
131 Passenger vehicle fire	9	0.53%	\$32,800	7.42%
132 Road freight or transport vehicle fire	3	0.17%	\$275,000	62.24%
141 Forest, woods or wildland fire	1	0.05%	\$0	0.00%
142 Brush or brush-and-grass mixture fire	1	0.05%	\$0	0.00%
151 Outside rubbish, trash or waste fire	4	0.23%	\$0	0.00%
153 Construction or demolition landfill fire	1	0.05%	\$0	0.00%
154 Dumpster or other outside trash receptacle	2	0.11%	\$0	0.00%
160 Special outside fire, Other	1	0.05%	\$0	0.00%
	43	2.55%	\$440,800	99.77%
2 Overpressure Rupture, Explosion, Overheat(no fire)				
200 Overpressure rupture, explosion, overheat	1	0.05%	\$0	0.00%
	1	0.05%	\$0	0.00%
3 Rescue & Emergency Medical Service Incident				
300 Rescue, EMS incident, other	1	0.05%	\$0	0.00%
311 Medical assist, assist EMS crew	56	3.32%	\$0	0.00%
321 EMS call, excluding vehicle accident with	933	55.43%	\$0	0.00%
322 Motor vehicle accident with injuries	77	4.57%	\$0	0.00%
323 Motor vehicle/pedestrian accident (MV Ped)	4	0.23%	\$0	0.00%
324 Motor Vehicle Accident with no injuries	52	3.08%	\$0	0.00%
331 Lock-in (if lock out , use 511)	9	0.53%	\$0	0.00%
352 Extrication of victim(s) from vehicle	1	0.05%	\$0	0.00%
353 Removal of victim(s) from stalled elevator	2	0.11%	\$0	0.00%
357 Extrication of victim(s) from machinery	1	0.05%	\$0	0.00%
381 Rescue or EMS standby	4	0.23%	\$0	0.00%
	1,140	67.73%	\$0	0.00%
4 Hazardous Condition (No Fire)				
400 Hazardous condition, Other	1	0.05%	\$0	0.00%
411 Gasoline or other flammable liquid spill	10	0.59%	\$500	0.11%
412 Gas leak (natural gas or LPG)	6	0.35%	\$0	0.00%
420 Toxic condition, Other	1	0.05%	\$0	0.00%
424 Carbon monoxide incident	3	0.17%	\$0	0.00%
440 Electrical wiring/equipment problem, Other	6	0.35%	\$200	0.04%
441 Heat from short circuit (wiring),	1	0.05%	\$0	0.00%

Grandville Fire Department

Incident Type Report (Summary All Incidents)

Alarm Date Between {01/01/2011} And {12/31/2011}

Incident Type	Count	Pct of Incidents	Total Est Loss	Pct of Losses
4 Hazardous Condition (No Fire)				
442 Overheated motor	2	0.11%	\$300	0.06%
443 Breakdown of light ballast	2	0.11%	\$0	0.00%
444 Power line down	21	1.24%	\$0	0.00%
4441 Low voltage line (cable / phone) down	20	1.18%	\$0	0.00%
445 Arcing, shorted electrical equipment	15	0.89%	\$0	0.00%
460 Accident, potential accident, Other	1	0.05%	\$0	0.00%
463 Vehicle accident, general cleanup	3	0.17%	\$0	0.00%
	92	5.46%	\$1,000	0.22%
5 Service Call				
500 Service Call, other	10	0.59%	\$0	0.00%
510 Person in distress, Other	7	0.41%	\$0	0.00%
511 Lock-out	14	0.83%	\$0	0.00%
522 Water or steam leak	1	0.05%	\$0	0.00%
531 Smoke or odor removal	5	0.29%	\$0	0.00%
551 Assist police or other governmental agency	6	0.35%	\$0	0.00%
552 Police matter	26	1.54%	\$0	0.00%
553 Public service	4	0.23%	\$0	0.00%
554 Assist invalid	32	1.90%	\$0	0.00%
561 Unauthorized burning	14	0.83%	\$0	0.00%
571 Cover assignment, standby, moveup	6	0.35%	\$0	0.00%
	125	7.42%	\$0	0.00%
6 Good Intent Call				
600 Good intent call, Other	22	1.30%	\$0	0.00%
611 Dispatched & cancelled en route	73	4.33%	\$0	0.00%
621 Wrong location	1	0.05%	\$0	0.00%
622 No Incident found on arrival at dispatch	26	1.54%	\$0	0.00%
631 Authorized controlled burning	3	0.17%	\$0	0.00%
6311 Legal burning requested to extinguish	2	0.11%	\$0	0.00%
650 Steam, Other gas mistaken for smoke, Other	1	0.05%	\$0	0.00%
651 Smoke scare, odor of smoke	8	0.47%	\$0	0.00%
652 Steam, vapor, fog or dust thought to be	1	0.05%	\$0	0.00%
661 EMS call, party transported by non-fire	1	0.05%	\$0	0.00%
671 HazMat release investigation w/no HazMat	1	0.05%	\$0	0.00%
	139	8.25%	\$0	0.00%
7 False Alarm & False Call				
700 False alarm or false call, Other	15	0.89%	\$0	0.00%
710 Malicious, mischievous false call, Other	4	0.23%	\$0	0.00%

Grandville Fire Department

Incident Type Report (Summary All Incidents)

Alarm Date Between {01/01/2011} And {12/31/2011}

Incident Type	Count	Pct of Incidents	Total Est Loss	Pct of Losses
7 False Alarm & False Call				
715 Local alarm system, malicious false alarm	1	0.05%	\$0	0.00%
721 Bomb scare - no bomb	2	0.11%	\$0	0.00%
732 Extinguishing system activation due to	1	0.05%	\$0	0.00%
733 Smoke detector activation due to	2	0.11%	\$0	0.00%
735 Alarm system sounded due to malfunction	18	1.06%	\$0	0.00%
736 CO detector activation due to malfunction	6	0.35%	\$0	0.00%
740 Unintentional transmission of alarm, Other	6	0.35%	\$0	0.00%
741 Sprinkler activation, no fire -	3	0.17%	\$0	0.00%
742 Extinguishing system activation	2	0.11%	\$0	0.00%
743 Smoke detector activation, no fire -	10	0.59%	\$0	0.00%
744 Detector activation, no fire -	9	0.53%	\$0	0.00%
745 Alarm system activation, no fire -	51	3.03%	\$0	0.00%
746 Carbon monoxide detector activation, no CO	7	0.41%	\$0	0.00%
	137	8.14%	\$0	0.00%
8 Severe Weather & Natural Disaster				
813 Wind storm, tornado/hurricane assessment	2	0.11%	\$0	0.00%
814 Lightning strike (no fire)	3	0.17%	\$0	0.00%
	5	0.29%	\$0	0.00%
9 Special Incident Type				
911 Citizen complaint	1	0.05%	\$0	0.00%
	1	0.05%	\$0	0.00%

Total Incident Count: 1683

Total Est Loss:

\$441,800

Grandville Fire Department

EMS Reason for Call Analysis

Alarm Date Between {01/01/2011} And {12/31/2011}

Incident	Date	Time
Abdominal Pain		
Total Incidents for Reason		30
Allergies		
Total Incidents for Reason		9
Animal Bite		
Total Incidents for Reason		1
Assault		
Total Incidents for Reason		20
Back Pain		
Total Incidents for Reason		18
Breathing Problem		
Total Incidents for Reason		126
Burns		
Total Incidents for Reason		4
CO Poisoning/Hazmat		
Total Incidents for Reason		1
Cardiac Arrest		
Total Incidents for Reason		8
Chest Pain		
Total Incidents for Reason		78

Grandville Fire Department

EMS Reason for Call Analysis

Alarm Date Between {01/01/2011} And {12/31/2011}

Incident	Date	Time
Choking		
Total Incidents for Reason		3
Convulsions/Seizure		
Total Incidents for Reason		55
Diabetic Problem		
Total Incidents for Reason		35
Fall Victim		
Total Incidents for Reason		132
Headache		
Total Incidents for Reason		7
Heart Problems		
Total Incidents for Reason		7
Heat/Cold Exposure		
Total Incidents for Reason		3
Hemorrhage/Laceration		
Total Incidents for Reason		23
Indstrl Accident/Inaccessible Incidnt/Other Entrap		
Total Incidents for Reason		3
Ingestion/Poisoning		
Total Incidents for Reason		11

Grandville Fire Department

EMS Reason for Call Analysis

Alarm Date Between {01/01/2011} And {12/31/2011}

Incident	Date	Time
Not Applicable		
Total Incidents for Reason		1
Not Available		
Total Incidents for Reason		32
Not Known		
Total Incidents for Reason		2
Pregnancy/Childbirth		
Total Incidents for Reason		6
Psychiatric Problems		
Total Incidents for Reason		80
Sick Person		
Total Incidents for Reason		82
Stab/Gunshot Wound		
Total Incidents for Reason		4
Stroke/CVA		
Total Incidents for Reason		14
Traffic Accident		
Total Incidents for Reason		156
Transfer/Interfacility/Palliative Care		
Total Incidents for Reason		2

Grandville Fire Department

EMS Reason for Call Analysis

Alarm Date Between {01/01/2011} And {12/31/2011}

Incident	Date	Time	
Traumatic Injury			
Total Incidents for Reason		47	
Unconscious/Fainting			
Total Incidents for Reason		98	
Unknown Problem/Man Down			
Total Incidents for Reason		60	
Total Incidents	1158		
			Total Patients 855

Grandville Fire Department

Incident Type Period Comparisons

Alarm Date Between {01/01/2011} and {12/31/2011}

Incident Type	01/01/2011	01/01/2010	01/01/2009	01/01/2008
	to 12/31/2011	to 12/31/2010	to 12/31/2009	to 12/31/2008
100 Fire, Other	2	1	1	0
111 Building fire	16	21	10	24
112 Fires in structure other than in a building	0	1	1	1
113 Cooking fire, confined to container	2	2	4	6
115 Incinerator overload or malfunction, fire	0	0	1	0
116 Fuel burner/boiler malfunction, fire confined	1	0	0	0
118 Trash or rubbish fire, contained	0	1	1	2
121 Fire in mobile home used as fixed residence	0	1	0	0
130 Mobile property (vehicle) fire, Other	0	1	1	0
131 Passenger vehicle fire	9	11	18	10
132 Road freight or transport vehicle fire	3	0	2	0
140 Natural vegetation fire, Other	0	1	0	0
141 Forest, woods or wildland fire	1	0	0	0
142 Brush or brush-and-grass mixture fire	1	1	2	0
143 Grass fire	0	1	1	1
151 Outside rubbish, trash or waste fire	4	1	1	0
153 Construction or demolition landfill fire	1	1	0	0
154 Dumpster or other outside trash receptacle fire	2	3	4	7
155 Outside stationary compactor/compacted trash	0	0	0	1
160 Special outside fire, Other	1	0	2	2
162 Outside equipment fire	0	1	0	0
200 Overpressure rupture, explosion, overheat other	1	0	0	0
212 Overpressure rupture of steam boiler	0	0	0	1
240 Explosion (no fire), Other	0	0	0	1
251 Excessive heat, scorch burns with no ignition	0	0	1	1
300 Rescue, EMS incident, other	1	1	5	0
311 Medical assist, assist EMS crew	56	38	33	25
321 EMS call, excluding vehicle accident with injury	933	956	853	921
322 Motor vehicle accident with injuries	77	60	77	70
323 Motor vehicle/pedestrian accident (MV Ped)	4	2	4	2
324 Motor Vehicle Accident with no injuries	52	34	37	35
331 Lock-in (if lock out , use 511)	9	6	20	27
341 Search for person on land	0	0	1	0
350 Extrication, rescue, Other	0	0	0	2
352 Extrication of victim(s) from vehicle	1	2	1	3
353 Removal of victim(s) from stalled elevator	2	0	0	0
357 Extrication of victim(s) from machinery	1	0	0	0
360 Water & ice-related rescue, other	0	0	0	2
381 Rescue or EMS standby	4	1	1	1
400 Hazardous condition, Other	1	5	6	5
411 Gasoline or other flammable liquid spill	10	7	5	3
412 Gas leak (natural gas or LPG)	6	8	7	9

Grandville Fire Department

Incident Type Period Comparisons

Alarm Date Between {01/01/2011} and {12/31/2011}

Incident Type	01/01/2011	01/01/2010	01/01/2009	01/01/2008
	to 12/31/2011	to 12/31/2010	to 12/31/2009	to 12/31/2008
413 Oil or other combustible liquid spill	0	0	1	4
420 Toxic condition, Other	1	1	0	0
424 Carbon monoxide incident	3	6	8	10
440 Electrical wiring/equipment problem, Other	6	15	4	11
441 Heat from short circuit (wiring), defective/worn	1	3	0	0
442 Overheated motor	2	1	3	6
443 Breakdown of light ballast	2	1	0	3
444 Power line down	21	25	16	32
4441 Low voltage line (cable / phone) down	20	1	0	0
445 Arcing, shorted electrical equipment	15	5	7	11
460 Accident, potential accident, Other	1	0	2	2
461 Building or structure weakened or collapsed	0	0	0	1
463 Vehicle accident, general cleanup	3	6	5	4
471 Explosive, bomb removal (for bomb scare, use	0	0	1	0
500 Service Call, other	10	13	5	11
510 Person in distress, Other	7	13	11	6
511 Lock-out	14	10	13	27
520 Water problem, Other	0	0	1	2
522 Water or steam leak	1	0	3	2
531 Smoke or odor removal	5	3	3	1
541 Animal problem	0	0	1	0
542 Animal rescue	0	2	3	1
550 Public service assistance, Other	0	2	2	3
551 Assist police or other governmental agency	6	5	6	10
552 Police matter	26	17	16	11
553 Public service	4	2	2	2
554 Assist invalid	32	28	29	16
561 Unauthorized burning	14	16	18	29
571 Cover assignment, standby, moveup	6	3	2	4
600 Good intent call, Other	22	39	15	23
611 Dispatched & cancelled en route	73	39	35	60
621 Wrong location	1	2	0	1
622 No Incident found on arrival at dispatch address	26	17	22	28
631 Authorized controlled burning	3	2	2	5
6311 Legal burning requested to extinguish	2	0	0	0
650 Steam, Other gas mistaken for smoke, Other	1	0	0	1
651 Smoke scare, odor of smoke	8	10	12	8
652 Steam, vapor, fog or dust thought to be smoke	1	3	3	3
653 Smoke from barbecue, tar kettle	0	1	0	0
661 EMS call, party transported by non-fire agency	1	1	0	0
671 HazMat release investigation w/no HazMat	1	0	0	3
700 False alarm or false call, Other	15	6	6	14

Grandville Fire Department

Incident Type Period Comparisons

Alarm Date Between {01/01/2011} and {12/31/2011}

Incident Type	01/01/2011	01/01/2010	01/01/2009	01/01/2008
	to	to	to	to
	12/31/2011	12/31/2010	12/31/2009	12/31/2008
710 Malicious, mischievous false call, Other	4	0	2	1
715 Local alarm system, malicious false alarm	1	1	0	0
721 Bomb scare - no bomb	2	0	2	2
730 System malfunction, Other	0	0	0	2
731 Sprinkler activation due to malfunction	0	4	4	1
732 Extinguishing system activation due to	1	0	0	0
733 Smoke detector activation due to malfunction	2	2	10	7
734 Heat detector activation due to malfunction	0	0	0	1
735 Alarm system sounded due to malfunction	18	4	17	15
736 CO detector activation due to malfunction	6	0	6	1
740 Unintentional transmission of alarm, Other	6	5	2	4
741 Sprinkler activation, no fire - unintentional	3	2	0	6
742 Extinguishing system activation	2	0	1	1
743 Smoke detector activation, no fire -	10	15	14	10
744 Detector activation, no fire - unintentional	9	14	3	10
745 Alarm system activation, no fire - unintentional	51	50	35	41
746 Carbon monoxide detector activation, no CO	7	6	7	2
813 Wind storm, tornado/hurricane assessment	2	0	0	1
814 Lightning strike (no fire)	3	0	0	1
911 Citizen complaint	1	3	0	1
Totals	<u>1683</u>	<u>1572</u>	<u>1460</u>	<u>1624</u>