

Delhi Township Fire Department



Annual
Report
For
2010

Table of Contents

PERSONNEL ROSTER.....	3
SUMMARY OF ACTIVITY	4
DETAIL OF ACTIVITY	5
MUTUAL AID ACTIVITY	6
HISTORY OF CALLS	7
EMS ACTIVITY	8
EMS / FIRE CALL REVENUE.....	9
FIRE/RESCUE ACTIVITY.....	10
STRUCTURE FIRE CALL ANALYSIS	11
TOTAL FIRE LOSS – ALL FIRES.....	12
ALAIEDON TOWNSHIP ACTIVITY	13
MEMBERSHIP STATUS	14
ASSISTANT CHIEF/FIRE MARSHAL REPORT.....	15
EQUIPMENT AND APPARATUS STATUS.....	16
VEHICLE RESPONSES	17
FIRE STATION MAINTENANCE AND NEEDS.....	17
TRAINING REPORT	18
SUMMARY	19

Delhi Township Fire Department
Personnel Roster
December 31, 2010

Richard J. Royston, Chief

Patrick Brown, Assistant Chief

Deputy Chiefs

Michael Grant

Michael Malone

Lieutenants

Brian Britten

Brian Ball

Jeffrey Young

Brenda Coscarelli, Secretary

Melissa Rowland, Billing Clerk

Michael Adams, FF/EMT
Anthony Alvord, FF
Christopher Baldwin, FF/PM
Matthew Bennett, FF
Rebecca Bird, FF/EMT
Jeffrey Butcher, FF/PM
Brian Crippen, Cadet
Johnathan Colbeck, FF/EMT
Dustin Dickerson, FF/PM
Corey Drolett, FF/PM
Manuel Garcia, FF/EMT
Albert Gillison, FF/EMT
Minda Gorsline, FF/EMT
Andrew Harmon, FF/EMT
Jay Hileman, FF
Brett Justice, FF/PM

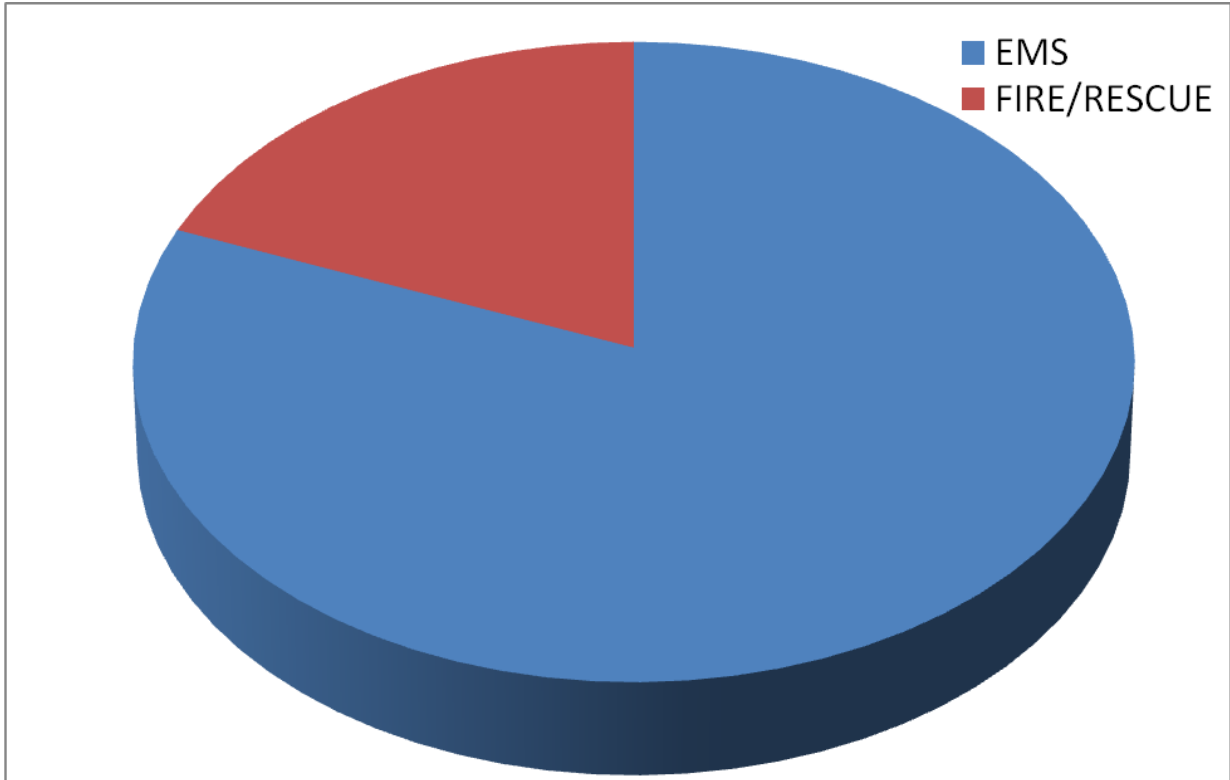
Brett Justice, FF/PM
Daniel Kreft, FF/EMT
Jeremy Landfair, FF/EMT
Philip McGill, FF/EMT
Gregory Milbauer, FF
Michael Patterson, Cadet
Nathan Perdue, FF
Benjamin Phinney, Cadet
Matthew Price, FF/EMT
Bradley Reedy, FF/EMT
Frank Russo, FF/EMT
Steven Schroeder, FF/PM
Matthew Sterling, FF/PM
Matthew Wooten, FF/PM
Michael Yanz, FF/PM
Kurt Zolnierak, FF

Fred Froman, Chaplain

Michael Keith, Photographer

Delhi Township Fire Department
Summary of Activity for 2010

	Delhi	Alaiedon	Total
Medical Calls:	1,885	-----	1,885
Fire / Rescue Calls:	382	57	439
Total :	2,267	57	2,324



Delhi Township Fire Department Detailed Summary of Activity for 2010

Mutual Aid Assistance

Mutual Aid Granted:	76
Mutual Aid Requested:	60

Burning Permits Issued

Delhi Township Burn Permits Issued:	281
Recreational Campfire Permits Issued:	75

Inspection Activity

Inspection Activities:	1129
Inspection Staff Hours:	365.5

Training Activity

Fire Training Hours:	3504
EMS Training Hours:	1314
Miscellaneous Hours:	2096
Total Training Hours:	6914

Multiple Calls

Overlapping Calls	411
Days with 10 Calls or More:	37
Most Calls in One Day: (4/1/10)	17

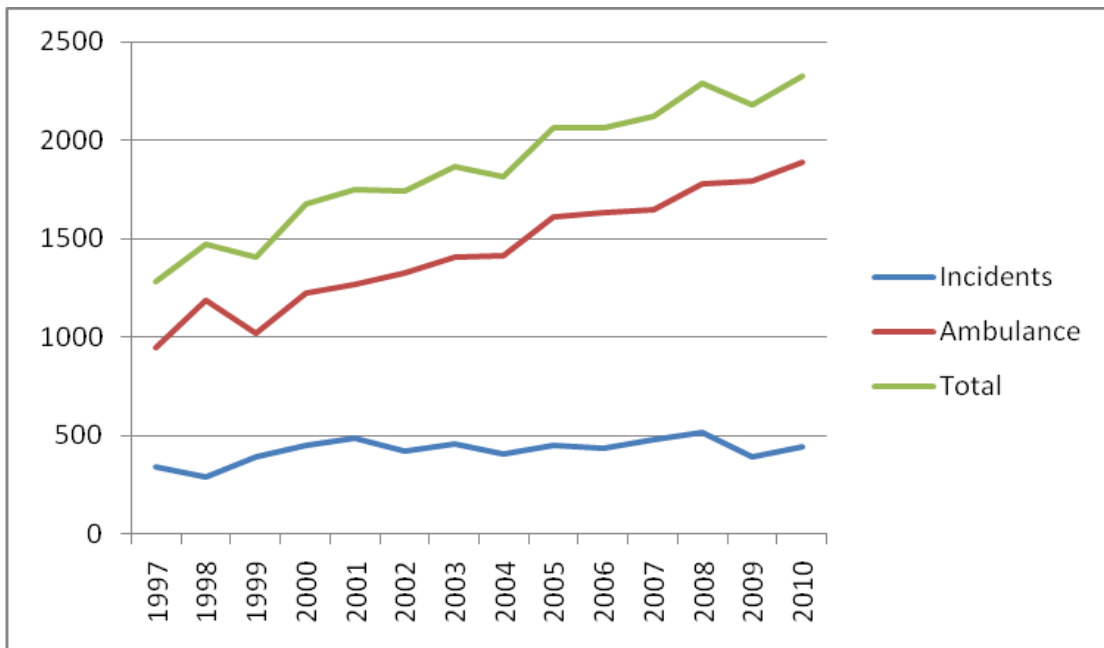
Delhi Township Fire Department
Mutual Aid Activity for 2010

Department	Aid Given	Aid Received
Dansville	0	2
Eaton Rapids Twp.	1	0
Leslie Ambulance Service	1	0
Lansing Fire Dept.	12	11
Lansing Twp Fire Dept.	0	2
Mason Ambulance	40	24
Mason Fire Dept.	6	6
Meridian Twp Fire Dept..	3	2
Onondaga Twp Fire Dept.	1	0
Windsor Twp Fire Dept.	10	12
Williamston Fire Dept.	0	1
Other	2	0
Total	76	60

Delhi Township Fire Department History of Calls 1997 – 2010

<u>Year</u>	<u>Incidents</u>	<u>Ambulance</u>	<u>Total</u>
1997	336	943	1,279
1998	290	1,184	1,474
1999	390	1,018	1,408
2000	450	1,226	1,676
2001	482	1,268	1,750
2002	418	1,324	1,742
2003	460	1,406	1,866
2004	403	1,415	1,818
2005	452	1,611	2,063
2006	433	1,632	2,065
2007	478	1,644	2,122
2008	512	1,775	2,287
2009	392	1,790	2,182
2010	439	1,885	2,324

History of Calls – 1997 through 2010



Delhi Township Fire Department

EMS Activity for 2010

Total Ambulance Responses: 1,868
 Total Patients: 2,001

Patient Analysis

Type of Call	Total
Abdominal Pain	122
Altered State of Consciousness	107
Attempt Suicide	13
Cardiac Arrest	4
Chest Pain	166
Diabetic	45
Lift Assist – No transport	85
Miscellaneous Medical	438
Miscellaneous Trauma	24
Musculoskeletal Injuries	271
Overdose / Poisoning	4
Refusal of Service	282
Respiratory Distress	196
Seizure	54
Soft Tissue Injuries / Burns	86
Stroke	27
Cancelled Enroute	20

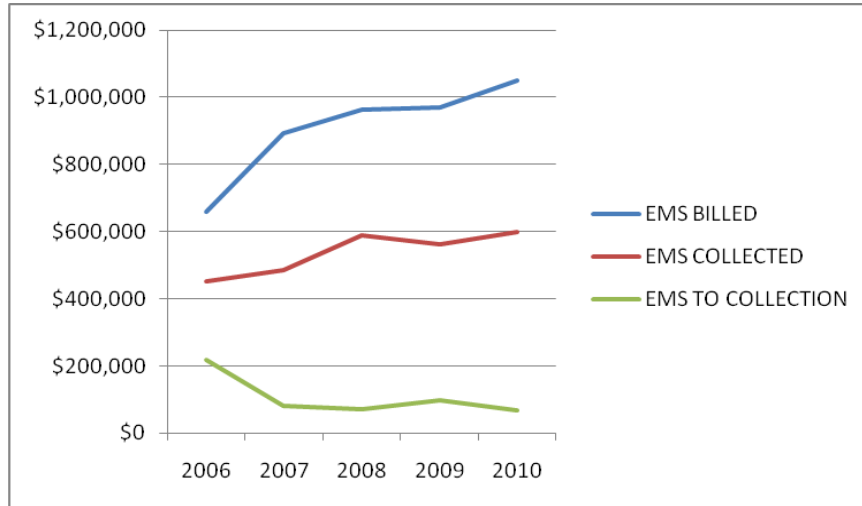
Delhi Township Fire Department

EMS / Fire Revenue

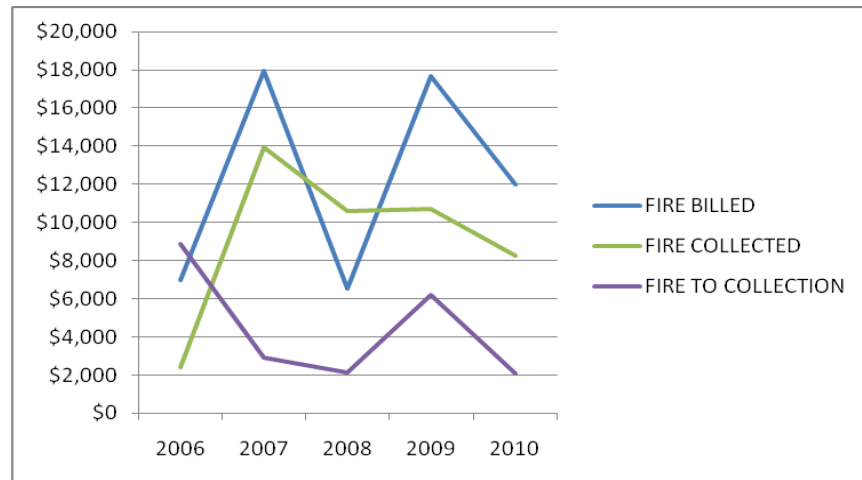
2006 - 2010

YEAR	EMS			FIRE		
	EMS BILLED	EMS COLLECTED	EMS TO COLLECTION	FIRE BILLED	FIRE COLLECTED	FIRE TO COLLECTION
2006	\$658,357	\$451,750	\$218,791	\$6,993	\$2,393	\$8,879
2007	\$892,761	\$485,728	\$82,018	\$17,947	\$13,917	\$2,911
2008	\$964,045	\$590,502	\$71,748	\$6,527	\$10,621	\$2,161
2009	\$970,322	\$561,177	\$97,580	\$17,677	\$10,729	\$6,221
2010	\$1,051,140	\$599,620	\$66,983	\$11,998	\$8,243.18	\$2,095

EMS REVENUES



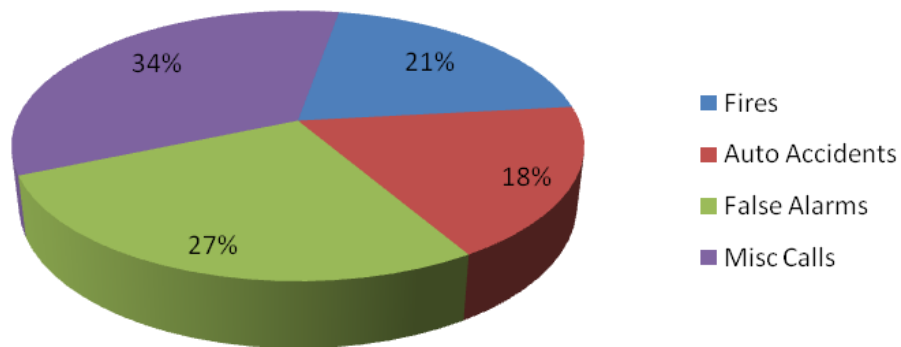
FIRE REVENUES



**Delhi Township Fire Department
Fire/Rescue Activity for 2009**

Type of Call	Delhi	Alaiedon	Total
Structure Fires	33	3	36
Vehicle Fires	7	5	12
Grass Fires	3	6	9
Trash Fires	2	0	2
Miscellaneous Fires	29	2	31
Good Intent / Smoke	9	3	12
Wires Down / Arcing Wires	10	5	15
Auto Accidents / Extrication	69	11	80
Gas Leak / Hazardous Situation	41	2	43
False Alarms	111	8	119
Miscellaneous Calls	68	12	80
Total Calls	382	57	439

**Fire/Rescue Incidents
2010**

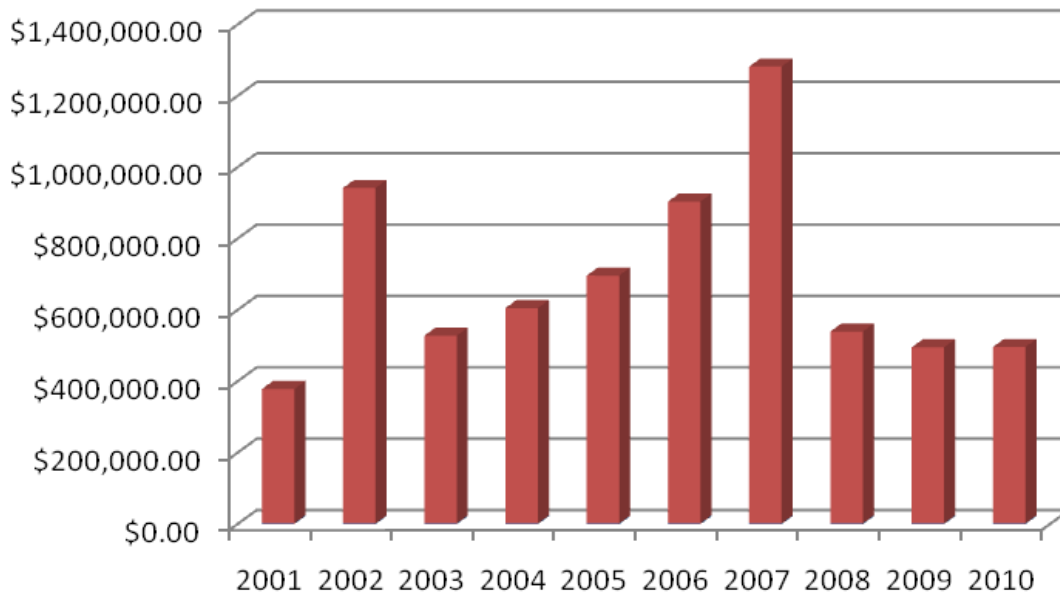


Delhi Township Fire Department
 Structure Fire Call Analysis for 2010
 (Loss of more than \$1,000)

Date	Address	Type Structure	Loss
1/26/10	3515 Dell Road	Dwelling	\$140,000
3/4/10	1966 Aurelius #20	Apartment	\$12,000
4/12/10	3441 Harper Road*	Dwelling	\$7,000
4/19/10	1795 Merganser	Dwelling	\$5,000
5/2/10	4490 Cricket Ridge #202	Apartment	\$6,000
5/20/10	2930 Cherithbrook*	Barn	\$90,000
5/21/10	4672 Tolland Ave.	Dwelling	\$2,000
6/21/10	4213 Legacy Park Drive	Commercial Bldg	\$2,000
7/20/10	1489 Cedar Street	Commercial Bldg	\$2,000
9/10/10	1926 Aurelius Road	Storage Bldg	\$1,000
11/6/10	2263 Vernon Ave.	Dwelling	\$6,500
12/12/10	1148 Okemos Road*	Dwelling	\$10,000
12/17/10	6383 Bishop Road	Dwelling	\$85,000
12/29/10	1859 Tupelo Trail	Dwelling	\$70,000
		Total Loss	\$440,200

Delhi Township Fire Department
Total Fire Loss – All Fires
2001– 2010

2001	\$376,600
2002	\$940,265
2003	\$526,020
2004	\$603,750
2005	\$694,650
2006	\$901,930
2007	\$1,280,450
2008	\$538,025
2009	\$493,550
2010	\$494,300



Delhi Township Fire Department
Alaiedon Township Activity
2001 – 2010

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Structure Fires	2	3	6	3	3	1	3	6	0	3
Vehicle Fires	15	12	11	16	6	6	9	12	8	5
Grass Fires	2	2	3	3	7	1	1	1	4	6
Misc. Fires	7	1	1	0	5	3	6	1	1	1
Good Intent / Smoke	26	18	17	25	17	18	14	21	11	9
Wires Down/Arcing	3	2	2	3	5	1	5	2	3	5
Auto Accidents	16	13	15	17	22	13	19	21	14	11
Gas Leaks/Hazards	6	5	8	2	1	5	3	2	1	3
False Alarms	20	13	21	15	13	17	8	28	10	14
Miscellaneous Calls	3	4	2	0	6	7	6	0	4	0
Total	100	73	86	84	85	70	74	94	56	57

Alaiedon Township Fire Loss
2001 – 2010
All Fires



Delhi Township Fire Department Membership Status 2010

The membership of the Delhi Township Fire Department on December 31, 2010 is at a total of 39 uniformed personnel, plus 2 civilian positions of secretary, and billing clerk. This is consistent with the positions reported in the annual report of 2009, so the department has managed to maintain membership numbers for throughout the past year.

Recruitment and retention continued to be a major goal during 2010. During the year, a total of 6 personnel were hired as new members of the organization. Included in this new membership was Greg Millbauer who has rejoined the membership after being trained by our department in 2000 and then leaving for several years. Additionally, Minda Gorsline was hired as a trained firefighter.

Three additional personnel were hired as untrained members of the department and are scheduled to graduate from firefighter training class in June, 2011. These new cadets are Brian Crippen, Benjamin Phinney and Michael Patterson.

Several personnel resigned from the department due to an assortment of reasons during 2010. These personnel included:

Brandon Brown
Ross Hagfors
Patrick Watza

Tony Costello
Matthew Kidd

Greg Francis
Dwayne Ooten

The breakdown of EMS training levels on 12/31/10 consists of 17 paramedics and 11 basic EMTs.

A continued emphasis will be placed on recruitment and retention in 2011 in an effort to maintain our current level of staffing.

Assistant Chief / Fire Marshal Report 2010

Fire can spread rapidly through your home, leaving you as little two minutes to escape safely once the alarm has sounded. Your ability to get out depends on advance warning from smoke detectors and advance planning—a home fire escape plan that everyone in your home is familiar with and practices. Delhi Township Fire Department firmly believes that through the promotion of Fire Safety, Prevention and Preparedness, loss of life, unnecessary injuries and property loss can be reduced. Delhi Fire Departments philosophy that anytime we can be involved within our community we can be an advocate for safe practices. Fire Safety Presentations, Programs and community involvement activities in 2010 included but not all-inclusive of the following.

- For the tenth consecutive year, and through joint cooperation with the Department of Community Development the past two years, we conducted fire safety inspections of all commercial properties. From this activity, numerous requests for addition training, including portable fire extinguisher training, CPR/First Aid training and well as assisting in Emergency Preparedness and Fire Drill training.
- Identification of vacant commercial properties using our newly instituted Red Circle Program. This program warns firefighters that this occupancy is vacant and they may alter their tactical operations during emergency situations.
- Participation in numerous community events including Kids Day, HomeFest, Relay for Life, Special Olympics Swim meet, Community Night Out, Big Truck Day to name a few.
- Conducted our annual Fire Prevention Week Open House including visits to all elementary schools promoting our Hazard House interactive training program as well as distributing fire safety material to students.
- Continued pre-fire planning of commercial buildings by fire crews.
- Performed visits to Senior Citizen facilities promoting fire safety, escape plans as well as prevention of slips, trips and fall incidents.
- Presented numerous Emergency Preparedness programs to local service groups including, Holt Lions, Holt Kiwanis and Rotary.
- Provided CPR/First Aid/AED training to numerous groups as well as community businesses and residents. The request for these classes has escalated greatly.
- Conducted an increasing number of Portable Fire Extinguisher training sessions for Delhi businesses and companies.
- Promoted Fire Safety at the annual Holt Business Expo.
- Again, satisfied numerous requests for station tours, school visits and on-site fire truck and safety demonstrations.

The total number of individuals impacted by our efforts is difficult to estimate, but the results can possibly be measured positively through the reduction in the number of requests for emergency service and their severity. Dedication to public education and training by all members of our department as well as management continue to make these programs a success.

Respectively Submitted,

Pat Brown,
Assistant Chief / Fire Marshal

Delhi Township Fire Department Equipment and Apparatus Status 2009

In late 2010, notice was received from the Federal Emergency Management Agency that Delhi Township had received a grant in the amount of approximately \$89,000 for purchase of 2 new Lifepack 15 defibrillators, 2 chest compression machines and reimbursement for physical examinations for all personnel.

Additionally, in 2010 the following capital purchases were made:

- Laundry equipment with funding provided by 2009 grant - \$13,882
- 2 Thermal image cameras with funding provided by 2009 grant - \$9,190

All fire department apparatus and equipment is continually evaluated, inspected, and repaired to maintain a continuous state of readiness. Annual inspections such as pump testing, hose testing, department of transportation inspections and ladder testing is the norm. This continuous monitoring insures compliance with state and federal statute, in addition to providing personnel with a safe work environment.

At the present time, all pumping apparatus are in a condition that should provide the taxpayers of Delhi Township with adequate protection for the next several years. With the refurbishing of the 1994 Pierce accomplished in 2009, there is no scheduled apparatus replacement for several years.

Delhi Township Fire Department Vehicle Responses for 2010

Vehicle	Number of Responses
2003 Ambulance	808
2006 Ambulance	508
2008 Ambulance	407
2010 Ambulance	223
2002 Tahoe	211
2004 Durango- Cmd	75
2004 Durango -FM	94
2000 Ford Pickup	32
1995 Ford Pickup	4
2006 Expedition	61
1997 Tanker	43
1994 Pumper	98
2003 Ladder/Quint	78
2008 Rescue/Pumper	157

Fire Station Maintenance and Needs

In 2010, the Delhi Downtown Development Authority purchased several sites along and adjacent to Cedar Street for redevelopment. Among these sites was a site on Veterans Drive which contained a post type storage building which the DDA graciously has permitted the fire department to use for storage and for training purposes. This building has come in very handy since the fire department began using it, and has emphasized the need for additional training and storage space.

Although Delhi Fire Station #2 on Bishop Road is not staffed, this building is useful to our overall mission since it is continually used for storage of extra equipment. Additionally, the reserve ambulance is stored at that location, along with the grass fire unit when it is not used in the winter time.

As mentioned in past reports, the main fire station is now moving into its 16^h year. With this age and the increase in call volume, comes the need for more rooms for department activities. This includes a larger training room, offices for the department leadership and more area for fire personnel to work. Storage has always been lacking and continues to be in short supply. Given these shortcomings, it seems that it is not too early to begin planning for future fire department facilities.

Delhi Township Fire Department Training Report for 2010

Delhi Township firefighters are provided training that meets and or exceeds current emergency services standards, in all areas of emergency services, which include firefighting, rescue, vehicle extrication, hazardous materials response and emergency medicine. 2010 was again a successful and busy year; there was a total of approximately 7,000 training hours.

In conjunction with the Lansing Metro Special Operations Division, Delhi sponsored a collapse rescue training session at a location which was scheduled for demolition on Veterans Drive. This session provided Delhi personnel with a good understanding of collapse rescue and how to be able to provide assistance to the Metro team, should the need arise.

Annual recertification training was provided to all personnel in Driver Training, Hazardous Material Operations, and Vehicle Extrication along with classroom/online annual refreshers in Hazard Communications, Bloodborn Pathogens, Respiratory Protections, Personal Protective Equipment and Sexual Harassment. All of these programs are required annually by our department in the interest of safety of our personnel.

At the present time, DTFD has the luxury of having 4 certified Fire Instructors on its staff. This provides us with the opportunity of being able to pass teaching assignments around between instructors and lightening the burden a bit. Through the leadership of Lt. Brian Ball, our regularly scheduled training continues to be accomplished as planned.

As in the past, a live fire training evolution was completed using an acquired structure. Fire fighters were able to experience actual hands-on training and experience in areas of Fire Suppression, Forcible Entry, Salvage / Overhaul and Water Supply (hydrants and tanker operations.) This live-burn training is invaluable in providing new personnel the opportunity to actually see fire behavior and use those tasks learned in the fire classes.

Full time personnel are expected to train daily while on-duty. This training keeps personnel up to date on changing EMS rules and procedures, along with fire fighting techniques. Paid on-call personnel training twice monthly in the same types of evolutions.

As we move into 2011, fire department administration is continually striving for ways to keep personnel up to date in new EMS and fire fighting techniques.

Summary

The Delhi Township Fire Department fire/recue call volume increased by 10% and EMS call volume increased by approximately 5% when compared to 2009. Total call volume increased by approximately 6% which results in less time being available to accomplish other things in the community.

As we move into our 8th year of being a true combination fire department composed of both full time and part time personnel, it is important to remember that in 2003, it was determined that we needed to hire full time personnel to staff our station because our department had become too busy to continue to try to maintain the staffing with paid, on-call personnel. In 2003, DTFD responded to a total of 1866 calls. Compared to our response in 2010 to a total of 2324 calls, our activity has increased a total of approximately 20% with an actual decrease in total staffing since 2003. Our personnel do a terrific job with the resources that we are provided, but in the future we must make a determination on what services we may have to give up based on personnel and other resources. As has been the case in the past, the majority of personnel who wish to become paid, on-call members of fire departments do so with the hope of entering the fire service as a career. This personal goal ultimately results in the paid, on-call staff member leaving for a full time job elsewhere. It is obvious that retention of the paid, on-call workforce will be a major goal for many years to come.

We continue to be aware of the economic challenges that face us, and we continue to look for ways to save money and prioritize and spend our limited resources on those things that we really need.

Thanks to the full time personnel, under the direction of Lieutenants Ball, Britten and Young, for coming to their workplace and doing completing those tasks, however unpleasant they may be, when required. Thank you to those paid, on-call personnel who leave their warm homes at night to help out in their community. Last, and certainly not least, A/C Pat Brown and clerical staff, Brenda Coscarelli, and Melissa Rowland are certainly responsible for the Delhi Township Fire Department running smoothly on a 24 hour basis.

Through the group efforts of all involved, and with the continued support of the Township Board and Township Manager John Elsinga, the fire department continues to ***“minimize the impact of community emergencies through education, prevention and service.”***

Respectfully submitted,

Richard J. Royston
Chief