

SHELBY TOWNSHIP FIRE DEPARTMENT

2012 Annual Report





Charter Township of Shelby

FIRE DEPARTMENT

JAMES P. SWINKOWSKI, FIRE CHIEF

(586) 731-3476 • FAX (586) 726-4553 • 6345 23 MILE ROAD • SHELBY TWP., MICHIGAN 48316-4405

April 1, 2013

Board of Trustees
Charter Township of Shelby
52700 Van Dyke
Shelby Township, MI 48316

Honorable Board Members:

Regarding: 2012 Annual Report – Fire Department

This report will outline the Shelby Township Fire Department's activities for 2012. A master printed copy will be given to the Supervisor's office and all remaining reports will be scanned and e-mailed in an effort to streamline distribution, trim costs, and become more user friendly.

As in the past, all information contained in the report for data (i.e. run totals and statistics) will be included in the electronic version of this report.

As always, the department will continue the fine tradition of offering high quality fire, rescue, and EMS coverage to its residents and Macomb County. Each day my staff offers the highest quality services and response saving lives and protecting property. This report will outline the activities of each division in the department.

This year we had to face the passing of Chief Shepherd after a courageous fight against cancer. While tragic, he taught us all valuable lessons on family, courage, leadership, and "team spirit." While his tenure as chief was short, his legacy will live on for years.

2012 was a very challenging year for the Fire Department. Our overall run volume is up 6%. There was a significant increase in the number of fires, approximately 50% when compared to the previous three years. A complete breakdown by category is included in this report. As the year progressed, the fire marshal and I started making plans to address this issue. Our fire prevention division began work on a new prevention and safety education program for our adult residents; we hope to roll out this new education program sometime in 2013.

The fire at Shelby Manor in November was by far our biggest emergency of the year. At the time of the fire, nearly 90 people were inside their apartments. With the help of six other fire departments, all residents were rescued safely and the fire was contained quickly.

Board of Trustees

April 1, 2013

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We continued looking for ways to improve services and reduce spending. The department entered into two shared services agreements in 2011 for Tactical Rescue and Hazmat Response with several communities within Macomb County. Last year both teams finalized necessary response plans and put in place the team member notification system. Both teams are now fully functional. By joining these regional response teams, we not only provide the needed protection for those living or working in our community, but we also share the cost of equipment and gain the ability to receive grant funding. We are still working on a similar agreement with Dive Rescue. Shelby Township, Harrison Township, and Macomb County Sheriff have come together and started this process and are already receiving grant funding for equipment. We hope to have a formal agreement in place in 2013.

Early in the year, we were approved to install fiber optic cable between our four fire stations. This will provide a tremendous improvement to our network and its security. We also received approval to purchase and install a Computer Aided Dispatch program. This too is a huge leap forward for us; it will help the dispatchers greatly, while also providing us with the resources to better manage our emergency response vehicles.

Marking signs have been placed along the Clinton River to help kayakers identify their locations in the event they need to call 911. We also worked with the Macomb County GIS department and all of these locations are now in GIS. We have had discussions with Shelby Parks and Recreation to get access points developed for our vehicles to enter restricted areas along the river. In response to this increased recreational river activity, all members have been training to the operational level for swift water rescue, and the members of our dive team received additional training to the technician level. We also purchased some needed response equipment, including two kayaks.

A new eligibility list was established through the civil service commission and entry level interviews and background checks were completed in the fall. We hope to complete the hiring process in early 2013.

We took delivery of two new ambulances and a 100 foot ladder truck, with a new engine on order. The two old ambulances were listed with a broker and are for sale.

Year to year our budget can fluctuate by hundreds of thousands of dollars based on when we need to replace trucks. In order to address this, a Capital Improvement Plan was developed for our vehicles and presented to the board during budget sessions. This new C.I.P. extended the depreciation schedule of all our vehicles, including non-emergency cars. Money will be set aside in a reserve fund each year to *plan ahead* for our major purchases. Our 2013 budget, as presented in budget sessions, reflected an approximate 6.5% reduction from 2012, with no cuts in essential services. I would like to thank all of our command officers and firefighters for their continued efforts to help control spending and keep our costs down.

In order to address a growing need for a fire station in the southeast section of the township, property was purchased on Schoenherr Road, north of 21 Mile Road.

Numerous meetings have been attended by my staff and I concerning Pre-Hospital Provider, County Chiefs, County Radio, PFCSB, Township Board, Department Head, Career Focus Luncheon, Pension Board, County Mutual Aid, MCC Regional Training, PIA's (Post Incident Analysis), and Emergency Management. Command staff attended PIA's for 2nd alarm fires in the county. We attended numerous meetings for medical control authority and radio committees.

We were awarded \$187,011.79 in grant funding this year. \$49,409.78 was dedicated for training and \$137,602.01 was for radio equipment to replace our outdated radios.

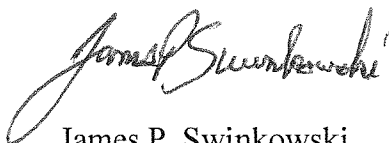
My office staff continues to keep the public informed of fire department and Township matters using our electronic sign.

Fire Prevention conducted a wonderful open house in October. They also visited the elementary schools to bring fire education to all of the students. Both events were well attended and continue to be great outreaches for the department.

Breast Cancer Awareness was celebrated again this year with employees being allowed to wear pink tee shirts being sold for a donation through the Union.

I am very fortunate to have a dedicated staff and a superb collection of firefighters under my command. As always, without their dedication, I would not be able to detail these great strides we have undertaken. With the run volume continuing to escalate and the complexity of events constantly changing, we are always striving to deliver the best services possible. I would like to take this opportunity to also thank the Township Board members and residents for supporting the department in these tough economic times.

Respectfully submitted,



James P. Swinkowski
Fire Chief

<u>Alarms by Month</u>	2008	2009	2010	2011	2012 Plus/Minus from previous year	
January	396	378	391	417	445	28
February	383	346	357	427	456	29
March	343	375	365	460	488	28
April	384	396	387	396	461	65
May	392	379	416	450	485	35
June	412	419	441	454	478	24
July	364	386	425	461	461	0
August	367	387	454	434	515	81
September	383	381	465	422	460	38
October	379	474	463	499	524	25
November	349	381	426	434	416	-18
December	428	389	488	480	461	-19
Annual Total	4,580	4,691	5,078	5,334	5,650	316

Number of Incidents by District

	2008	2009	2010	2011	2012
Station #1	1140	1047	1234	1372	1399
Station #2	744	688	822	910	952
Station #3	896	1001	984	1007	1052
Station #4	1794	1950	2037	2041	2241
Totals	4,574	4,686	5,077	5,330	5,644

SHELBY TOWNSHIP FIRE DEPT, SHELBY TOWNSHIP, MI 48316

Basic/Fire Data Standard Report
For the Year of 2012

Printed: 04/04/2013

Field	Number	% of Total
From NFIRS - 1		
Incident Type - C1		
Fire		
<i>Fire, other</i>		
100 Fire, other	5	0.09%
<i>Structure Fire</i>		
111 Building fire	43	0.76%
113 Cooking fire, confined to container	21	0.37%
114 Chimney or flue fire, confined to chimney or flue	2	0.04%
115 Incinerator overload or malfunction, fire confined	1	0.02%
116 Fuel burner/boiler malfunction, fire confined	1	0.02%
118 Trash or rubbish fire, contained	2	0.04%
<i>Fire in mobile property used as a fixed structure</i>		
121 Fire in mobile home used as fixed residence	2	0.04%
<i>Mobile property (vehicle) fire</i>		
130 Mobile property (vehicle) fire, other	1	0.02%
131 Passenger vehicle fire	22	0.39%
132 Road freight or transport vehicle fire	1	0.02%
<i>Natural vegetation fire</i>		
140 Natural vegetation fire, other	7	0.12%
142 Brush, or brush-and-grass mixture fire	13	0.23%
143 Grass fire	18	0.32%
<i>Outside rubbish fire</i>		
150 Outside rubbish fire, other	3	0.05%
151 Outside rubbish, trash or waste fire	12	0.21%
154 Dumpster or other outside trash receptacle fire	32	0.57%
<i>Special outside fire</i>		
160 Special outside fire, other	1	0.02%
161 Outside storage fire	1	0.02%
162 Outside equipment fire	4	0.07%
<i>Cultivated vegetation, crop fire</i>		
173 Cultivated trees or nursery stock fire	1	0.02%
Overpressure Rupture, Explosion, Overheat (no fire)		
<i>Overpressure rupture, explosion, overheat, other</i>		
200 Overpressure rupture, explosion, overheat other	2	0.04%
<i>Explosion (no fire)</i>		
243 Fireworks explosion (no fire)	1	0.02%
<i>Excessive heat, scorch burns with no ignition</i>		
251 Excessive heat, scorch burns with no ignition	2	0.04%
Rescue & Emergency Medical Service Incident		
<i>Rescue, emergency medical call (EMS), other</i>		
300 Rescue, EMS incident, other	2	0.04%
<i>Medical assist</i>		
311 Medical assist, assist EMS crew	9	0.16%

Field	Number	% of Total
From NFIRS - 1		
Rescue & Emergency Medical Service Incident		
<i>Emergency medical service (EMS) Incident</i>		
320 Emergency medical service, other	11	0.19%
321 EMS call, excluding vehicle accident with injury	3968	70.00%
322 Motor vehicle accident with injuries	220	3.90%
323 Motor vehicle/pedestrian accident (MV Ped)	11	0.19%
324 Motor vehicle accident with no injuries	42	0.74%
<i>Search for lost person</i>		
341 Search for person on land	1	0.02%
<i>Extrication, rescue</i>		
351 Extrication of victim(s) from building/structure	1	0.02%
353 Removal of victim(s) from stalled elevator	2	0.04%
356 High-angle rescue	1	0.02%
357 Extrication of victim(s) from machinery	2	0.04%
<i>Water or ice-related rescue</i>		
360 Water & ice-related rescue, other	1	0.02%
363 Swift water rescue	2	0.04%
<i>Rescue or EMS standby</i>		
381 Rescue or EMS standby	22	0.39%
Hazardous Condition (No fire)		
<i>Hazardous condition, other</i>		
400 Hazardous condition, other	5	0.09%
<i>Combustible/flammable spills & leaks</i>		
410 Combustible/flammable gas/liquid condition, other	3	0.05%
411 Gasoline or other flammable liquid spill	13	0.23%
412 Gas leak (natural gas or LPG)	22	0.39%
413 Oil or other combustible liquid spill	1	0.02%
<i>Chemical release, reaction, or toxic condition</i>		
424 Carbon monoxide incident	16	0.28%
<i>Electrical wiring/equipment problem</i>		
440 Electrical wiring/equipment problem, other	21	0.37%
441 Heat from short circuit (wiring), defective/worn	2	0.04%
443 Breakdown of light ballast	4	0.07%
444 Power line down	48	0.85%
445 Arcing, shorted electrical equipment	19	0.34%
<i>Accident, potential accident</i>		
463 Vehicle accident, general cleanup	1	0.02%
<i>Attempted burning, illegal action</i>		
480 Attempted burning, illegal action, other	1	0.02%
Service Call		
<i>Service call, other</i>		
500 Service Call, other	9	0.16%
<i>Person in distress</i>		
510 Person in distress, other	28	0.50%
511 Lock-out	4	0.07%
<i>Water problem</i>		
520 Water problem, other	1	0.02%

Field	Number	% of Total
From NFIRS - 1		
Service Call		
<i>Smoke, odor problem</i>		
531 Smoke or odor removal	39	0.69%
<i>Animal problem or rescue</i>		
540 Animal problem, other	1	0.02%
542 Animal rescue	1	0.02%
<i>Public service assistance</i>		
550 Public service assistance, other	23	0.41%
551 Assist police or other governmental agency	16	0.28%
552 Police matter	7	0.12%
553 Public service	82	1.50%
554 Assist invalid	282	5.00%
555 Defective elevator, no occupants	1	0.02%
<i>Unauthorized burning</i>		
561 Unauthorized burning	80	1.40%
<i>Cover assignment, standby at fire station, move-up</i>		
571 Cover assignment, standby, moveup	56	0.99%
Good Intent Call		
<i>Good intent call, other</i>		
600 Good intent call, other	12	0.21%
<i>Dispatched and canceled en route</i>		
611 Dispatched & canceled en route	14	0.25%
<i>Wrong location, no emergency found</i>		
621 Wrong location	2	0.04%
622 No incident found on arrival at dispatch address	47	0.83%
<i>Controlled burning</i>		
631 Authorized controlled burning	3	0.05%
<i>Vicinity alarm</i>		
641 Vicinity alarm (incident in other location)	2	0.04%
<i>Steam, other gas mistaken for smoke</i>		
650 Steam, other gas mistaken for smoke, other	2	0.04%
651 Smoke scare, odor of smoke	15	0.27%
652 Steam, vapor, fog or dust thought to be smoke	9	0.16%
653 Smoke from barbecue, tar kettle	1	0.02%
<i>EMS call where party has been transported</i>		
661 EMS call, party transported by non-fire agency	6	0.11%
<i>HazMat release investigation w/no HazMat</i>		
671 HazMat release investigation w/no HazMat	2	0.04%
False Alarm & False Call		
<i>False alarm and false call, other</i>		
700 False alarm or false call, other	29	0.51%
<i>Malicious, mischievous false alarm</i>		
712 Direct tie to FD, malicious false alarm	1	0.02%
<i>System or detector malfunction</i>		
730 System malfunction, other	7	0.12%
731 Sprinkler activation due to malfunction	3	0.05%
733 Smoke detector activation due to malfunction	20	0.35%

Field	Number	% of Total
From NFIRS - 1		
False Alarm & False Call		
<i>System or detector malfunction</i>		
735 Alarm system sounded due to malfunction	32	0.57%
736 CO detector activation due to malfunction	21	0.37%
<i>Unintentional system/detector operation (no fire)</i>		
740 Unintentional transmission of alarm, other	27	0.48%
741 Sprinkler activation, no fire - unintentional	7	0.12%
743 Smoke detector activation, no fire - unintentional	41	0.73%
744 Detector activation, no fire - unintentional	9	0.16%
745 Alarm system activation, no fire - unintentional	47	0.83%
746 Carbon monoxide detector activation, no CO	6	0.11%
Severe Weather & Natural Disaster		
<i>Earthquake assessment</i>		
814 Lightning strike (no fire)	2	0.04%
Special Incident Type		
<i>Special type of incident, other</i>		
900 Special type of incident, other	2	0.04%
<i>Citizen complaint</i>		
911 Citizen complaint	2	0.04%
Total:	5650	

Property and Contents Report

Property Value

Value Range	Number of Incidents
\$0	5573
\$1 - \$5,000	37
\$5,001 - \$10,000.	7
\$10,001 - \$20,000.	3
\$20,001 - \$50,000.	1
\$50,001 - \$100,000	4
\$100,001 - \$200,000	10
\$200,001 - \$500,000	10
\$500,001 - \$1,000,000	0
\$1,000,001 - up	5
Property Value	\$172,495,270

Property Loss

Value Range	Number of Incidents
\$0	5545
\$1 - \$5,000	74
\$5,001 - \$10,000.	5
\$10,001 - \$20,000.	9
\$20,001 - \$50,000.	6
\$50,001 - \$100,000	6
\$100,001 - \$200,000	2
\$200,001 - \$500,000	2
\$500,001 - \$1,000,000	0
\$1,000,001 - up	1
Property Loss	\$4,972,970

Contents Value

Value Range	Number of Incidents
\$0	5608
\$1 - \$5,000	11
\$5,001 - \$10,000.	3
\$10,001 - \$20,000.	2
\$20,001 - \$50,000.	6
\$50,001 - \$100,000	6
\$100,001 - \$200,000	6
\$200,001 - \$500,000	4
\$500,001 - \$1,000,000	3
\$1,000,001 - up	1
Contents Value	\$9,406,300

Contents Loss

Value Range	Number of Incidents
\$0	5597
\$1 - \$5,000	32
\$5,001 - \$10,000.	4
\$10,001 - \$20,000.	3
\$20,001 - \$50,000.	7
\$50,001 - \$100,000	4
\$100,001 - \$200,000	1
\$200,001 - \$500,000	1
\$500,001 - \$1,000,000	0
\$1,000,001 - up	1
Contents Loss	\$2,498,420



Charter Township of Shelby

FIRE DEPARTMENT
JAMES P. SWINKOWSKI, FIRE CHIEF

(586) 731-3476 • FAX (586) 726-4553 • 6345 23 MILE ROAD • SHELBY TWP., MICHIGAN 48316-4405

April 1, 2013

The following is a brief review of Training and EMS activities for 2012:

A total of 27 classes were conducted for on-duty firefighters; 12 were fire based, 12 were EMS based, plus a swift water rescue, back fitness and a core strengthening class. This does not include monthly dive team training or special classes individuals attended in neighboring communities.

I attended the instructor/coordinator's conferences in March; it was extremely helpful.

Steve Buckley attended all scheduled MCMCA monthly meetings for the pre hospital provider committee.

We took delivery of two new ambulances.

CPR continues to be offered monthly to our citizens.

Last year we had 4,605 requests for help. Of those, we transported 3,232 patients to local hospitals. This is a slight increase from 2011. A complete breakdown by category is included in the report.

The Fire and EMS service in America is constantly changing. We, the Shelby Township Fire Department, pride ourselves in offering the highest quality of care possible to our citizens and community. This would not be possible without the support of our elected officials and the officers and firefighters of Shelby Township Fire Department.

Respectfully submitted,

James P. Swinkowski
Fire Chief



Charter Township of Shelby

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April 1, 2013

Jim Swinkowski, Fire Chief
6345 23 Mile Road
Shelby Township, MI 48316

Dear Chief Swinkowski:

Regarding: 2012 Fire Prevention Annual Report

The Shelby Township Fire Prevention division had a few changes in personnel this year. Fire Marshal Dean Kueppers retired in April after 22 years of service with the department and over 12 years in the fire prevention division. Vandel Rooker filled the vacancy created by Kueppers' retirement. He is new to the division and attended Fire Inspector classes held at Harrison Township Fire Department for two weeks in May. He received his certification in the summer. Rooker also attended a one week basic fire investigation class, also held in May, in Mt. Pleasant. Lt. Inspector Vojtush took over as Fire Marshal in April.

The division has three inspectors and a marshal. Lt. Inspector Buckley splits duties between the inspection division and performing quality assurance and billing duties for EMS reports. Lt. Inspectors Buckley and Rooker were assigned the area on the south side of 23 Mile Road to Hall Road. Lt. Inspector Henion remained in his area, from the north side of 23 Mile Road to 26 Mile Road.

Lt. Buckley presented programs for senior citizen safety at the Villas of Shelby and Shelby Manor. He also set up a drill at Villas of Shelby in October, simulating a fire in an apartment with a rescue. Our fire crews worked together with staff at the facility on this rescue and fire extinguishing scenario.

Lt. Henion remains our division's liaison for public education events. He coordinates requests for a variety of events each year. He also takes a lead role in the fire education program in the schools. Along with Lt. McCoy, Henion works with Shelby Cable to film a monthly program showcasing our department.

Chief Swinkowski

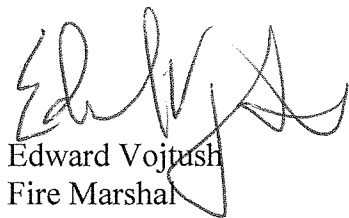
April 1, 2013

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The new fireworks law created a variety of additional work, not just for the fire prevention division, but the department as a whole. Numerous informative meetings took place early in the year, as there were many questions left unanswered by this bill. By May, we began getting complaints about fireworks being set off at all hours of the night. Even though the state claimed they would inspect every firework sales stand, our division inspected every one of them. We also worked closely with Planning and Zoning to set the township's criteria for sales approvals. Numerous field fires, and on the night of July 4th two structure fires, were attributed to the fireworks.

Two major fires took place near the end of the year. Shelby Manor Building B experienced a fire in the early morning hours of Saturday, November 17th. Through coordinated efforts of our neighboring fire departments and our Police Department, occupants of 86 units were evacuated safely as the fire was extinguished. A few weeks later in December, the occupants of 10 units were displaced by an attic fire at the Villas of Shelby Condominiums. Once again, there were no injuries, as all occupants were safely evacuated. In both cases, construction is ongoing with occupancy expected to begin spring 2013.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Edward Vojtush', written over the typed name and title.

Edward Vojtush
Fire Marshal

2012 FIRE PREVENTION STATISTICS

Total Inspections Performed: 3,127

Includes:

Periodic	425 (done on 366 separate occupancies)
Re-Inspections	305
Special	326
Hood Duct/Kitchen	326
Sprinkler Systems	246
Construction	199
Alarm System	172
Pre-Inspection	168
Plan Review	161
Public Ed/Relations	137
Final Occupancy	119
Seminars/Meetings	118
Fire Investigations	106
EMS	88
Knox Box	84
Complaints/Violation	75
Hydro Test	26
Emergency Management	26
Puff Test	9
Liquor License	6
Apartment	5



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April 1, 2013

Jim Swinkowski, Fire Chief
6345 23 Mile Road
Shelby Township, MI 48316

Dear Chief Swinkowski:

Regarding: 2012 Emergency Management Annual Report

Fire Marshal Dean Kueppers was the township's emergency management coordinator until his retirement in early April, at which time I took over that role. Inspector Buckley also took over as Deputy Director of Emergency Management at that time. This division is responsible for membership in the county Local Emergency Planning Committee, with responsibility for all hazardous material sites, training proper township employees in NIMS, managing the township's outdoor warning sirens, along with a variety of other duties.

The Township's Emergency Operations Plan was reviewed and distributed to all with staff positions in the township this year. The staff phone list was updated. With the opening of the new police headquarters in June, the emergency operation center was temporarily moved to a small conference room within. Once renovations are complete to the former police department, the EOC will be relocated back to its original building. Inspector Henion and I continue to monitor progress on this project.

The outdoor warning siren on 22 Mile Road east of M-53 was knocked down by a vehicle in mid March. West Shore Equipment installed a new upgraded omni-directional siren in May. PRM continued to provide maintenance to all 13 sirens in the township.

In July, we upgraded our weather reporting program through Telvent. They provide a more detailed and enhanced system for alerting dispatch and other users. We provided access to this program for department heads in PRM and DPW.

Battalion Chiefs McCoy and Follis both attended NIMS 300 and 400 classes in the fall.

Respectfully Submitted,

Edward Vojtush
Emergency Management Coordinator
Shelby Township