



Shelby Township Fire Department

ANNUAL REPORT 2015



SHELBY TOWNSHIP

FIRE DEPARTMENT

JAMES P. SWINKOWSKI, FIRE CHIEF



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

February 23, 2016

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

Honorable Board Members:

Regarding: 2015 Annual Report – Fire Department

This report will outline the Shelby Fire Department's activities for 2015. A master printed copy will be filed with the Clerk's office and an electronic copy will be sent to all board members.

As always, the department will continue the fine tradition of offering the highest quality fire, rescue, and EMS coverage to our residents, business owners and visitors to our Township. This report will outline the activities of each division within the department.

The new 'business model approach' that we implemented in 2013 to prioritize fiscal responsibility in our day-to-day operating expenses continues to be successful and highlights the commitment we made to be the best stewards of our taxpayers money as possible, while continuing to provide the highest level of service that our residents, business owners and visitors expect. Change is never easy, but thanks to the leadership of our elected officials and the dedication of our command officers and firefighters, we continue to strive to meet the public safety needs of the community, while providing the financial transparency that is expected.

2015 was the busiest year on record for the Fire Department. Our overall run volume is up over 5% as compared to 2014. A breakdown by category is included in this report.

During the spring, we had to contend with flooding at the oil well site and oversaw the final testing for oil. We worked closely with the MDEQ and monitored the use of the dilute hydrochloric acid during this process. Frequent updates were provided to the public during this time. No oil was found and the well was shut down in May.

With the ever-increasing development and calls for service at an all-time high, we continue to look at response times, manpower allocation and future needs of the community. I met periodically with all Board members to discuss options for both short term and long term planning. Budgetary pricing for a fifth fire station, as well as additional manpower, was discussed with the Trustees in depth. Our 2016 budget was adopted to include funding for the additional station and manpower. An RFQ was issued in December for design/build teams for the proposed fifth fire station. Once the bids are received in January 2016, meetings will be scheduled with the Board of Trustees to discuss options and determine if and how to move forward with it.

Our old Nixle alerting system was reactivated and was used periodically throughout most of 2015 to alert the public of road closures, water main issues and more.

We took delivery of two new ambulances in December. These new ambulances are the product of a long study that was conducted to not only look at keeping the purchase price for vehicles low, but to take into account the long term maintenance costs as well. Several changes were made to our specifications which will result in a net savings to our taxpayers over the life of the vehicle.

Advanced training was conducted for our Swift Water Rescue team in April, as well as monthly training for our Dive team. Sadly, there was another drowning at Stony Creek Metropark in June.

The five new Firefighters that were hired on June 23, 2014 to fill vacancies completed their one-year probation without incident and are now permanent members of the department. Two new replacement firefighters were hired on April 6, 2015 and are progressing through their 12-month probation.

Several meetings were attended by my staff and me concerning Macomb County Medical Control, County Chiefs, PFCSC, Township Board, Department Head, Career Focus Luncheon, Pension Board, MCC regional training, and Emergency Management.

We were awarded a total of \$17,206.90 in grant funding for training in Hazardous Materials, Technical Rescue, Homeland Security and Mass Casualty.

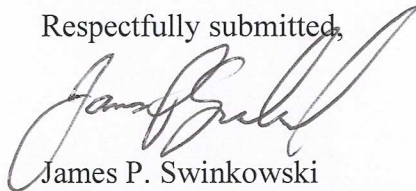
Fire Prevention conducted a wonderful open house in October. They also visited every elementary school to bring fire education to all of the students, as well as several other public education events around the township. All events were well attended and continue to be great outreaches for the department.

Board of Trustees
February 23, 2016
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I am very fortunate to work with such a dedicated staff and a superb collection of firefighters every day to provide public safety services for our community. 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.

Most importantly, I would like to take this opportunity to thank each and every member of the Board of Trustees for your unwavering support for public safety here in our township. Because of your commitment, we have been able to maintain the professional standard of care that our residents, business owners and visitors have come to count on should they need to call 911.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "James P. Swinkowski". The signature is fluid and cursive, with a large, sweeping flourish at the end.

James P. Swinkowski
Fire Chief

<u>Alarms by Month</u>	2011	2012	2013	2014	2015	Plus/Minus from previous year
January	417	445	478	533	522	-11
February	427	456	412	461	502	41
March	460	488	489	464	500	36
April	396	461	437	501	573	72
May	450	485	506	534	560	26
June	454	478	468	516	487	-29
July	461	461	555	527	551	24
August	434	515	511	495	542	47
September	422	460	526	500	594	94
October	499	524	506	573	593	20
November	434	416	501	520	505	-15
December	480	461	502	536	556	20
Annual Total	5,334	5,650	5,891	6,160	6,485	325

Number of Incidents by District

	2011	2012	2013	2014	2015
Station #1	1217	1290	1188	1305	1302
Station #2	885	949	1056	1076	1097
Station #3	1033	1030	1181	1159	1318
Station #4	2195	2375	2462	2620	2768
Totals	5,330	5,644	5,887	6,160	6,485

SHELBY TOWNSHIP FIRE DEPT, SHELBY TOWNSHIP, MI 48316

Basic/Fire Data Standard Report
For the Year of 2015

Printed: 01/27/2016

Field	Number	% of Total
From NFIRS - 1		
Incident Type - C1		
Fire		
<i>Fire, other</i>		
100 Fire, other	6	0.09%
Structure Fire		
111 Building fire	18	0.28%
112 Fires in structure other than in a building	1	0.02%
113 Cooking fire, confined to container	15	0.23%
118 Trash or rubbish fire, contained	2	0.03%
Fire in mobile property used as a fixed structure		
121 Fire in mobile home used as fixed residence	2	0.03%
Mobile property (vehicle) fire		
130 Mobile property (vehicle) fire, other	1	0.02%
131 Passenger vehicle fire	16	0.25%
132 Road freight or transport vehicle fire	2	0.03%
Natural vegetation fire		
140 Natural vegetation fire, other	1	0.02%
141 Forest, woods or wildland fire	1	0.02%
142 Brush, or brush-and-grass mixture fire	3	0.05%
143 Grass fire	4	0.06%
Outside rubbish fire		
151 Outside rubbish, trash or waste fire	9	0.14%
154 Dumpster or other outside trash receptacle fire	12	0.19%
Special outside fire		
160 Special outside fire, other	8	0.12%
161 Outside storage fire	1	0.02%
162 Outside equipment fire	3	0.05%
Overpressure Rupture, Explosion, Overheat (no fire)		
<i>Overpressure rupture, explosion, overheat, other</i>		
200 Overpressure rupture, explosion, overheat other	1	0.02%
<i>Overpressure rupture from air or gas - no fire</i>		
221 Overpressure rupture of air or gas pipe/pipeline	1	0.02%
<i>Excessive heat, scorch burns with no ignition</i>		
251 Excessive heat, scorch burns with no ignition	1	0.02%
Rescue & Emergency Medical Service Incident		
<i>Rescue, emergency medical call (EMS), other</i>		
300 Rescue, EMS incident, other	1	0.02%
<i>Medical assist</i>		
311 Medical assist, assist EMS crew	3	0.05%
Emergency medical service (EMS) Incident		
320 Emergency medical service, other	46	0.71%
321 EMS call, excluding vehicle accident with injury	4571	70.00%
322 Motor vehicle accident with injuries	253	3.90%

Field	Number	% of Total
From NFIRS - 1		
Rescue & Emergency Medical Service Incident		
<i>Emergency medical service (EMS) Incident</i>		
323 Motor vehicle/pedestrian accident (MV Ped)	11	0.17%
324 Motor vehicle accident with no injuries	90	1.40%
<i>Search for lost person</i>		
341 Search for person on land	2	0.03%
<i>Extrication, rescue</i>		
350 Extrication, rescue, other	1	0.02%
351 Extrication of victim(s) from building/structure	1	0.02%
352 Extrication of victim(s) from vehicle	22	0.34%
353 Removal of victim(s) from stalled elevator	3	0.05%
357 Extrication of victim(s) from machinery	1	0.02%
<i>Water or ice-related rescue</i>		
360 Water & ice-related rescue, other	1	0.02%
361 Swimming/recreational water areas rescue	2	0.03%
<i>Electrical rescue</i>		
372 Trapped by power lines	1	0.02%
<i>Rescue or EMS standby</i>		
381 Rescue or EMS standby	21	0.32%
Hazardous Condition (No fire)		
<i>Hazardous condition, other</i>		
400 Hazardous condition, other	1	0.02%
<i>Combustible/flammable spills & leaks</i>		
411 Gasoline or other flammable liquid spill	11	0.17%
412 Gas leak (natural gas or LPG)	24	0.37%
413 Oil or other combustible liquid spill	1	0.02%
<i>Chemical release, reaction, or toxic condition</i>		
421 Chemical hazard (no spill or leak)	1	0.02%
422 Chemical spill or leak	3	0.05%
424 Carbon monoxide incident	13	0.20%
<i>Electrical wiring/equipment problem</i>		
440 Electrical wiring/equipment problem, other	29	0.45%
441 Heat from short circuit (wiring), defective/worn	4	0.06%
442 Overheated motor	3	0.05%
444 Power line down	49	0.76%
445 Arcing, shorted electrical equipment	29	0.45%
<i>Biological hazard</i>		
451 Biological hazard, confirmed or suspected	1	0.02%
<i>Accident, potential accident</i>		
460 Accident, potential accident, other	2	0.03%
Service Call		
<i>Service call, other</i>		
500 Service Call, other	9	0.14%
<i>Person in distress</i>		
510 Person in distress, other	22	0.34%
511 Lock-out	1	0.02%
512 Ring or jewelry removal	1	0.02%

Field	Number	% of Total
From NFIRS - 1		
Service Call		
<i>Water problem</i>		
520 Water problem, other	3	0.05%
522 Water or steam leak	2	0.03%
<i>Smoke, odor problem</i>		
531 Smoke or odor removal	31	0.48%
<i>Public service assistance</i>		
550 Public service assistance, other	25	0.39%
551 Assist police or other governmental agency	23	0.35%
552 Police matter	5	0.08%
553 Public service	81	1.20%
554 Assist invalid	410	6.30%
<i>Unauthorized burning</i>		
561 Unauthorized burning	74	1.10%
<i>Cover assignment, standby at fire station, move-up</i>		
571 Cover assignment, standby, moveup	25	0.39%
Good Intent Call		
<i>Good intent call, other</i>		
600 Good intent call, other	25	0.39%
<i>Dispatched and canceled en route</i>		
611 Dispatched & canceled en route	31	0.48%
<i>Wrong location, no emergency found</i>		
621 Wrong location	2	0.03%
622 No incident found on arrival at dispatch address	58	0.89%
<i>Controlled burning</i>		
631 Authorized controlled burning	3	0.05%
<i>Vicinity alarm</i>		
641 Vicinity alarm (incident in other location)	1	0.02%
<i>Steam, other gas mistaken for smoke</i>		
650 Steam, other gas mistaken for smoke, other	3	0.05%
651 Smoke scare, odor of smoke	25	0.39%
652 Steam, vapor, fog or dust thought to be smoke	7	0.11%
<i>EMS call where party has been transported</i>		
661 EMS call, party transported by non-fire agency	4	0.06%
<i>HazMat release investigation w/no HazMat</i>		
671 HazMat release investigation w/no HazMat	1	0.02%
False Alarm & False Call		
<i>False alarm and false call, other</i>		
700 False alarm or false call, other	50	0.77%
<i>Malicious, mischievous false alarm</i>		
710 Malicious, mischievous false call, other	5	0.08%
715 Local alarm system, malicious false alarm	1	0.02%
<i>System or detector malfunction</i>		
730 System malfunction, other	11	0.17%
731 Sprinkler activation due to malfunction	1	0.02%
733 Smoke detector activation due to malfunction	16	0.25%
735 Alarm system sounded due to malfunction	22	0.34%

Field	Number, % of Total	
From NFIRS - 1		
False Alarm & False Call		
<i>System or detector malfunction</i>		
736 CO detector activation due to malfunction	27	0.42%
<i>Unintentional system/detector operation (no fire)</i>		
740 Unintentional transmission of alarm, other	33	0.51%
741 Sprinkler activation, no fire - unintentional	10	0.15%
742 Extinguishing system activation	1	0.02%
743 Smoke detector activation, no fire - unintentional	29	0.45%
744 Detector activation, no fire - unintentional	15	0.23%
745 Alarm system activation, no fire - unintentional	60	0.93%
746 Carbon monoxide detector activation, no CO	17	0.26%
Severe Weather & Natural Disaster		
<i>Earthquake assessment</i>		
814 Lightning strike (no fire)	3	0.05%
Special Incident Type		
<i>Special type of incident, other</i>		
900 Special type of incident, other	3	0.05%
Total:	6485	

Property and Contents Report

Property Value

Value Range	Number of Incidents
\$0	6447
\$1 - \$5,000	24
\$5,001 - \$10,000.	2
\$10,001 - \$20,000.	1
\$20,001 - \$50,000.	1
\$50,001 - \$100,000	2
\$100,001 - \$200,000	5
\$200,001 - \$500,000	1
\$500,001 - \$1,000,000	2
\$1,000,001 - up	0
Property Value	\$3,388,900

Property Loss

Value Range	Number of Incidents
\$0	6427
\$1 - \$5,000	41
\$5,001 - \$10,000.	7
\$10,001 - \$20,000.	4
\$20,001 - \$50,000.	1
\$50,001 - \$100,000	2
\$100,001 - \$200,000	1
\$200,001 - \$500,000	2
\$500,001 - \$1,000,000	0
\$1,000,001 - up	0
Property Loss	\$998,690

Contents Value

Value Range	Number of Incidents
\$0	6462
\$1 - \$5,000	12
\$5,001 - \$10,000.	2
\$10,001 - \$20,000.	0
\$20,001 - \$50,000.	4
\$50,001 - \$100,000	2
\$100,001 - \$200,000	1
\$200,001 - \$500,000	1
\$500,001 - \$1,000,000	1
\$1,000,001 - up	0
Contents Value	\$1,860,075

Contents Loss

Value Range	Number of Incidents
\$0	6448
\$1 - \$5,000	28
\$5,001 - \$10,000.	2
\$10,001 - \$20,000.	1
\$20,001 - \$50,000.	3
\$50,001 - \$100,000	3
\$100,001 - \$200,000	0
\$200,001 - \$500,000	0
\$500,001 - \$1,000,000	0
\$1,000,001 - up	0
Contents Loss	\$464,178

Printed: 01/27/2016

Incident Responses

Number of Incidents Without Exposures 6484

Number of Exposures 1

Number of Incidents by Station 1 1429

Number of Incidents by Station 2 1126

Number of Incidents by Station 3 1222

Number of Incidents by Station 4 2707

Number of Incidents by Shift

Number of Incidents - Shift 0 0

Number of Incidents - Shift 1 2126

Number of Incidents - Shift 2 2198

Number of Incidents - Shift 3 2160

Number of Alarms 6486

Number of Alarms by Station 1 1429

Number of Alarms by Station 2 1126

Number of Alarms by Station 3 1222

Number of Alarms by Station 4 2709

Aid Given or Received

Given 54

Received 19

Number of Casualties

Injuries, Fire Service 2

Injuries, Civilian 0

Fatalities, Fire Service 0

Fatalities, Civilian 0

Printed: 01/27/2016

Personnel Responses

Personnel Responses - Total 23468

Personnel Responses - Station 1 5137
 Personnel Responses - Station 2 3891
 Personnel Responses - Station 3 4394
 Personnel Responses - Station 4 10046

Average Response Time by Station (Minutes) 5.72

Average Response Time - Station 1 5.92
 Average Response Time - Station 2 5.38
 Average Response Time - Station 3 5.50
 Average Response Time - Station 4 5.84

Average Response Time by Shift (Minutes)

Average Response Time - Shift 1 5.78
 Average Response Time - Shift 2 5.57
 Average Response Time - Shift 3 5.80

Average Dispatch to Enroute Time by Station (Minutes) 0.00

Average Dispatch to Enroute Time - Station 1 0.00
 Average Dispatch to Enroute Time - Station 2 0.00
 Average Dispatch to Enroute Time - Station 3 0.00
 Average Dispatch to Enroute Time - Station 4 0.00



SHELBY TOWNSHIP

FIRE DEPARTMENT

JAMES P. SWINKOWSKI, FIRE CHIEF



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

February 23, 2016

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

Dear Chief Swinkowski:

The following is a brief overview of 2015 in the Training/EMS Division:

A total of 28 classes were conducted - 13 EMS and 15 Fire, not including Dive Training or CPR classes. Our RIT requirements were met with three classroom sessions and three sessions at the MCC burn tower. We completed Emergency Vehicle Operators training in June for all 56 hour personnel. All paramedics were recertified in Advanced Cardiac Life Support, CPR instructors were recertified with the AMA, and CPR classes continue to be held monthly for our residents. There were also five Hazmat training sessions, including two county sessions, and we hosted two Technical Rescue sessions for the county team. We continue to support MCC and Superior Medical education with our Mentoring program; we had multiple students riding with our medics last year. We participated in the Macomb County MCI Drill at the GM Warren Tech Center, which was a good practice experience.

Captain Rodney Scrutchen was appointed as EMS Coordinator last year, and his training continues for his new position. Capt. Scrutchen attended the EMS Ops meetings at the county level and was instrumental in acquiring the new King Vision blades for our department, keeping us on the cutting edge of pre-hospital care.

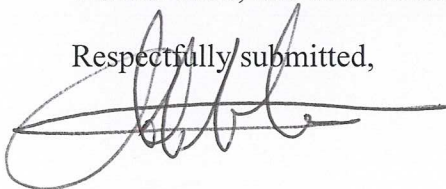
In April of 2015, we hired two probationary Firefighters. They are moving nicely through their training and they should make their one year anniversary in April of this year.

Last year we provided assistance and/or medical care to 5005 patients, of which 3926 were transported to the hospital, an increase of almost 10% over the previous year. Two new ambulances were put in service, replacing two units in our aging fleet.

Chief Swinkowski
February 23, 2016
Page 2

The Fire and EMS service 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, our fire chief, and officers and firefighters of Shelby Township Fire Department.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Chet Storey', with a long horizontal flourish extending to the right.

Chet Storey
Chief of Training



SHELBY TOWNSHIP

FIRE DEPARTMENT
JAMES P. SWINKOWSKI, FIRE CHIEF



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

February 23, 2016

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

Dear Chief Swinkowski:

Regarding: 2015 Fire Prevention Annual Report

The Shelby Township Fire Prevention Division consists of four full-time members. Lt. Inspectors Signorello and Werner are new additions to the division in 2015, taking the place of retired Fire Marshal Ed Vojtush and the transfer of Lt. Pierce back to the Fire Suppression Division.

2015 saw the return of Deputy Fire Marshal, a position that hasn't been filled since 2004. Duane Staten was promoted to Deputy Fire Marshal in February and he has assumed the role of the Emergency Management Coordinator for Shelby Township.

Lt. Inspectors Signorello and Werner attended and completed NFPA Inspector School. Both are currently state certified fire inspectors and are assets to the Fire Prevention Division.

The Fire Prevention Division duties include investigating fires for origin and cause and performing periodic fire inspections in our township's businesses, apartments, schools, etc. Fire prevention education is also an important part of public relations performed by our division. This past year, fire education was taught in our elementary schools, senior citizen complexes, businesses, and public events such as the art fair, bike rodeo, Relay for Life, church picnics, and of course, our open house.

Our department once again signed a Delegation of Authority agreement with the State of Michigan to provide fire inspections at any facility that sells fireworks in our township. The Fire Prevention Division attended training in Lansing, enabling them to be certified to inspect these facilities.

The Fire Prevention Division performed background checks on multiple candidates for the position of Firefighter/Medic.

A complete breakdown of the Fire Prevention Division's activities is included for your review.

Respectfully Submitted,

Steven Henion
Fire Marshal

2015 FIRE PREVENTION STATISTICS

Total Inspections Performed: 2,913

Includes:

Fire Investigations	105
Periodic	489
Re-Inspections	151
Final Occupancy	151
Temporary Occupancy	21
Special	675
Sprinkler Systems	119
Alarm Systems	61
Public Ed/Relations	70
Seminars/Meetings	130
Hookah	22
Hood Duct/System	276
Alarm Test	5
Puff Test	11
Hydro Test	23
Plan Reviews	99
Knox Box	72
Complaints/Violation	68
Pre Inspection	113
Construction	154
Emergency Management	82
Fireworks	16



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FIRE DEPARTMENT

JAMES P. SWINKOWSKI, FIRE CHIEF



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February 23, 2016

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

Dear Chief Swinkowski:

Regarding: 2015 Emergency Management Annual Report

On February 27, 2015, I was promoted to the position of Deputy Fire Marshal and was assigned the additional duties of Director of Emergency Management for Shelby Township. I attended various Macomb County Emergency Management, LEPC meetings, and radio tests that are held throughout the year.

I started a new initiative by working with the Utica Community Schools to assist them with safety planning. I was present during all scheduled fire drills at each location in Shelby Township. I offered feedback to enhance the emergency evacuation of buildings, all while maintaining clear emergency lanes for our use when needed. We have developed a great understanding of the importance of working together to maintain a safe condition for the staff, students, and responding personnel.

Lt. Jeff Daniel from the Shelby Township Police Department, who is my Deputy Director of Emergency Management, and I have updated the Emergency Operations Plan, the Hazard Mitigation Plan, and other material that is kept in the lower level conference room, which is designated as the Emergency Operations Center (EOC). I also worked with HR Director Lisa Suida to update the Emergency Response Plan for each of the township buildings that house 10 employees or more.

I scheduled a table top/training exercise for the EOC staff that will better prepare us should a major event occur that requires the EOC activation. A representative from Macomb County Emergency Management will conduct the training.

I am continually assessing the needs of the severe weather alert system to ensure it will operate as expected should the need arise. At this time, the severe weather alert system appears to be in good working order.

Respectfully Submitted,

Duane Staten
Emergency Management Coordinator