

Sioux Falls Fire Rescue



Commission on
Fire Accreditation
International

2015

Fire Annual Report



SIOUX FALLS FIRE • RESCUE
SFFR
SERVING SINCE 1880

FIRE

SFFR
CASE

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Sioux Falls Fire Rescue Big 5 "Fires" Values

1

Focus on Service

- Respond quickly and appropriately
- Know and practice your job

2

Integrity

- Always do your best
- Be honest with compassion

3

Respect

- Treat others like you want to be treated
- Listen to understand

4

Enjoy the Job

- Don't complain, find solutions
- Have fun at work

5

Safety

- Be fit and healthy
- Always improve and think safety



Message from the Fire Chief

Jim Sideras, MS, RN, MIFireE, CFO, CEMSO
Fire Chief

The mission of Sioux Falls Fire Rescue is to protect lives and property from fires and other emergencies through education, prevention, and emergency management. We are able to meet that mission with 210 full- and part-time staff dedicated to the safety of the residents of Sioux Falls.

We are committed to providing the best possible proactive approach to fire safety, prevention, and education. We will pursue excellence while remaining efficient and cost effective. I am confident that a review of this report will confirm our dedication to this goal. We will continue to work together to make our city a safe and productive environment for all concerned. The following are our team's most significant achievements for 2015.

ISO 1 | Sioux Falls Fire Rescue became an ISO 1 Department. This is a seminal event as there are only 130 ISO 1 departments in the country. This will impact insurance ratings saving residents and businesses by millions of dollars every year.

Accreditation | Continued to maintain our accreditation with the Center for Public Safety Excellence. Combining ISO 1 with accreditation makes Sioux Falls Fire Rescue only one of 35 fire departments in the country with both of these amazing achievements. This puts SFFR in the top 0.07 percent of all fire departments in the country.

Zero Fire Fatalities | There were no fire fatalities for the second year in a row. This is a synergistic effect of deployment, staffing, training, and prevention.

Timely Service | The department's base line response times were again met in accordance to accreditation standards. This means that Sioux Falls Fire Rescue had a station turnout time under 1 minute and 30 seconds 90 percent of the time and had a response time under 5 minutes and 12 seconds 90 percent of the time. Meeting these response times are critical for better patient outcomes on EMS calls and reduced fire loss for fire calls.

The role of Sioux Falls Fire Rescue is to "Save lives and protect property."

Increased Call Volume | SFFR unofficially ended 2015 responding to 12,366 calls. This is an 8.22 percent increase from 2014.

Increased Coverage | Fire Station 11 opened and began operations in April. This will enhance the fire and EMS coverage to the northwest area of Sioux Falls.



New Equipment | SFFR put into service a new 125-foot ladder truck, which is one of the tallest in the country. Also, the self-contained breathing apparatus (SCBA), that allow firefighters to breathe while in smoke filled environments, was updated to the latest technology to increase safety and effectiveness.

Community Involvement | More than 2,500 homes were canvassed for "Growing Resilient Sioux Falls 2015" to put smoke alarms in homes that need the life-saving devices.

Fiscally Responsible | Stayed within budget while working with our team members from Finance, specifically our finance analyst. Maintaining a prudent budget while ensuring the best system for our citizens is provided.

Partnering | Joint venture in hosting the Heroes Behind the Badges Blood Drive between SFFR and SFPD with a total of 982 units of blood donated that will help 2,946 patients. This surpassed last year's total. Also, using this partnership for the Active Shooter Drill which enhances the services to the citizens of Sioux Falls.

New Hires | 25 Cadets successfully graduated through the SFFR Fire Academy. This is one of the largest groups of new hires in our history.

National Research | SFFR members participated in the *Research Project: Cardiovascular & Carcinogenic Risks in Modern Firefighting*. This was at the Illinois Fire Service Institute which is part of the University of Illinois. Our involvement with the study will directly impact firefighters on a national level involving the cleaning, care and maintenance of PPE as well as firefighting tactics, operations, and strategies.

Sioux Falls Fire Rescue does not operate alone, but in a collaborative environment with many other agencies and departments that have helped with our successes. The support of the Mayor and City Council has allowed us to build on our successes while at the same time offering guidance with the direction of city leaders.

In addition to the accomplishments in 2015, this Annual Report also highlights the many things that occurred throughout the organization. The role of Sioux Falls Fire Rescue is to "Save lives and protect property." That would not be possible without the courage, dedication, and conviction of our employees who stand ready to face any challenge. I have been proud to lead Sioux Falls Fire Rescue and look forward to another amazing year.

Itemization of Incident Type

SFFR Organization and Resources |

Sioux Falls Fire Rescue is one of 12 major organizational units of the City of Sioux Falls. The department is led by the Fire Chief who reports to the Mayor. The department is divided into four divisions: Administration, Operations, Fire Prevention, and Professional Standards. This report contains sections from each division.

The department had an operating budget of \$25,655,405 in 2015 used to provide services in the areas of fire suppression, emergency medical basic life support, technical rescue, hazardous materials mitigation, fire prevention, public education, and maintain 11 fire stations, and 24 response apparatus. The department has 210 personnel assigned to it, with 181 of those working in the operations division.

Fire Statistics |

Sioux Falls Fire Rescue looks at National Fire Protection Association statistics to measure the department's performance to either national averages or regional (Midwest) data if available. This provides the department with quantifiable performance indicators for self-assessment and quality improvement.

In 2015, Sioux Falls had zero deaths from fires keeping the five-year average to 2.2 compared to the national average of 1.15, and the Midwest region average of 2.17 per 173,300 people.

Sioux Falls had 294 fires and fire loss was \$5,000,904 in 2015, our five-year average is \$4,219,609. According to national statistics for the Midwest region, a city the size of Sioux Falls can expect to have 459 fires and a fire loss of \$4,658,714 annually.

Insurance Rating |

The Insurance Services Office (ISO) rating is important because it is the basis for property insurance for most insurance companies. It has a direct bearing on insurance costs for our citizens. The rating is based on the fire department, water delivery system, and emergency communications dispatch system. **On a scale of one to ten, with one being the highest rating, Sioux Falls achieved the highest rating of one, in the year 2015.**

	2015	2014	2013
Private Dwellings	64	57	67
Apartments	44	42	47
Hotels and Motels	3	5	0
All Other Residential	1	0	2
Total Residential Fires	112	104	116
Public Assembly	4	5	7
Schools and Colleges	3	1	0
Health Care and Prisons	2	3	1
Stores and Offices	3	12	10
Industry and Manufacturing	2	2	3
Storage	7	7	4
Other Structures	1	2	5
Total Nonresidential Fires	22	32	30
Cars, Trucks, and Buses	48	68	81
Planes, Trains, and Special Use	16	14	10
Outside Storage, Crops, Etc.	22	23	20
Grass and Wildland Fires	31	28	20
Rubbish	36	36	32
All Others	7	11	16
Total Nonstructure Fires	160	180	179
Emergency Medical and Rescue	6,793	6,227	5,809
False Alarms	1,587	1,604	1,599
Mutual Aid	31	50	39
Hazardous Materials	760	733	782
Other Hazardous Responses	243	217	290
All Other	2,658	2,270	2,205
Total Nonfire	12,072	11,101	10,724
Total for All Incidents	12,366	11,417	11,049



In 2015, SFFR responded to 12,366 various emergency situations, up from 11,417 in 2014. (Included in this total were 33 incidents in the Wayne Township response area, and 31 mutual aid responses in surrounding communities.) Major responses and loss included fires at 4202 West Valhalla Boulevard (\$2,106,000 property and contents), 2100 East Edgewood Road (\$454,475 property and contents), 6604 West Westview Road (\$170,000 property and contents) 414 South Western Avenue (\$150,000 property and contents) and 700 West Sixth Street (\$130,000 property and contents). The City of Sioux Falls had no fatality fires in 2015. The City of Sioux Falls incurred \$5,000,904 of fire loss in 2015. Fire loss in 2015 was in line with the national average. \$121,357,194 worth of property and contents were exposed to fire. This means that Sioux Falls Fire Rescue saved 95.88 percent of all the property and contents that were exposed to fire.

As the growth of the city continues, SFFR now provides services to 173,300 citizens and covers approximately 75 square miles within the City of Sioux Falls. We also contract our services to approximately 1,196 people within the 21.94 square mile coverage area of Wayne Township. The population of the city grows by an additional 25 percent during the daytime as workers commute into the city. The Operations Division is tasked with emergency response and is responsible for the management of day-to-day activities of the 181 personnel assigned.

During 2015, SFFR traveled to 90 percent of all code 3 or 4 emergencies (lights and sirens) in five minutes, 1 seconds. Our 90 percent turnout time, the amount of time that it takes a crew to be paged, put on their firefighting gear, and leave the station, was 1 minute, 3 seconds. Keeping low response times is a key component of maintaining our status as an internationally accredited fire department. Less than 200 departments in the world have attained this distinction.

The most exciting news for Sioux Falls Fire Rescue in 2015 came after ISO (Insurance Services Office) evaluated the department. We achieved an ISO rating of 1. This has the potential to save businesses and taxpayers millions of dollars in insurance premiums. Only 35 fire departments are an ISO rating of 1 and accredited.

The division is divided into two battalions. They are the North Battalion and the South Battalion. Other than the Operations Division Chief, all personnel work a 24-hour schedule. Emergency response included responding to and mitigating medical calls, injury accidents, fire notifications and related incidents, technical rescue and hazardous material incidents.

We achieved an ISO rating of 1.

In addition to standard mutual aid agreements, SFFR has agreements in place with counties for response to weapons of mass destruction (WMD) and hazardous materials incidents in the region. A response Agreement is being developed with the South Dakota Office of Homeland Security to provide assistance to the rest of South Dakota in the event of an emergency that exceeds the capabilities of the local responders. A contract has been signed with the South Dakota Wildland Division to assist with wildland fires and prescribed burns in eastern South Dakota.

In 2015, Sioux Falls Fire Rescue personnel assigned to SD Task Force 1, trained in Rapid City during the Sturgis Motorcycle Rally. This training put specialized resources in the west part of the state in case they were needed. The Sioux Falls USAR component of SD Task Force 1 taught water rescue at the state fire school, rope rescue in Yankton, and winch operations for Sioux Falls Parks and Recreation. The team responded to flooding in Sioux Falls, an ice rescue in Hartford, a wind storm in Garretson, and a firefighter fatality in Brandon. Operations personnel participated in several National Incident Management Systems (NIMS) incident command classes. Our hazardous materials response component hosted a three-day class dealing with railcars that are transporting Baaken crude oil. Hazardous Materials team members participated in two exercises. The first was a multi-agency response exercise at the Sioux Falls Water Treatment Plant and Minnehaha Fairgrounds in March. The 2-day exercise with the Sioux Falls Police bomb squad, State Department of Criminal Investigations, and the 82nd Civil Support Team focused





on mitigating a plutonium lab and multiple radiological IED's. The second exercise was with the 82nd Civil Support team and Army North. This exercise involved a biological, chemical, and radiological threat at the Colorado Technical University.

Operations also had some members respond to two different wildland fires. The first was a 21-day deployment to the Carpenter Road Fire in Davenport, Washington and the second was a 16-day deployment to the Motorway Complex Fire in Kooskia, Idaho. Education, training, and readiness exercises continues to ensure our crews have the skill and knowledge needed to provide an extremely high level of service to the citizens and visitors of Sioux Falls.

SFFR has 231 locations identified as target hazards within Sioux Falls that we have set up specific response levels for. In addition to these locations we have designated another 186 locations that have a high-life safety concern, are critical to the infrastructure of Sioux Falls, or pose a serious threat to the surrounding area and plotted them on mapping software. In the event of a major disaster such as a tornado, our crews will follow a pre-designated route through their territories to rapidly assess the amount of damage to these sites. Our initial response level is dictated by the risk assessment of each of these target hazards. For example, the initial response may vary from 4 apparatus and a command vehicle (17 personnel) to 6 apparatus, 1 hazardous materials response team, 1 support vehicle and 1 command vehicle (30 personnel). The preplanning of these identified target hazards has been completed and the information entered into New World Systems. This vital information is available to all members of our department when responding to one of these locations via an onboard data terminal. SFFR has started the process of recording pre-incident plan information utilizing ESRI.

The operations division of Sioux Falls Fire Rescue strongly believes our responsibility to be ready for all emergencies never ends, and we will continually prepare ourselves to help our fellow citizens in their time of need.

The Administration Division is responsible for a broad range of services that support, enable, and partner with all divisions to meet the mission of the SFFR. These include promotional and hiring processes, Accreditation, ISO, department budgeting, purchasing, facilities maintenance, apparatus and their maintenance, grants, contracts, and agreement oversight.

In 2015, SFFR furthered its commitment to meeting the challenges of a growing community with the opening of the city's newest fire station in the expanding northwest. Station 11, located at 2333 North Valley View Road, opened for its first call in April of 2015.

Teamwork is the key to success and the department continued to work collaboratively with all city departments and support services. 2015 brought challenges and opportunities that the department and the City were ready to tackle. ISO 2 was reached and development toward ISO 1 was just around the corner. With an approximate budget of \$28 million, the department worked within that budget to ensure we provided the services that the growing city needs and expects. With Station 11 opening, came the need for 12 more well-trained firefighters to meet the demands of a growing and thriving community.

Accreditation through the Center for Public Safety Excellence requires continuous evaluation and self-assessment to ensure the City's fire rescue services meet the highest standards and are continually working toward improvement and best practices. Meeting annual compliance reports is part of the administrative responsibilities, but the continued evaluation and compliance requires the entire team commitment to meet the standards set forth through our accreditation process. In 2015, we continued to meet accreditation standards and are committed to continuing the self-assessment into the future.

The fire apparatus maintenance shop and its staff continued to provide excellent preventative maintenance and repairs to keep all the engines, rescues, ladder trucks, tenders, command vehicles, and support vehicles in service 24 hours a day. The three personnel, including two Emergency Vehicle Technicians (EVTs) also kept front line emergency equipment, saws, and small engines ready for use on emergency scenes and for day-to-day operations.

The office team at Fire Headquarters and Fire Prevention had another busy year in support of the department and its members through payroll, purchasing, data collection, Quality Assurance (QA), and clerical support.





“Teamwork is the key to success and the department continued to work collaboratively with all city departments and support services.”



Emergency Management

Regan Smith
Emergency Manager

The mission of Emergency Management is to lessen the loss of life and reduce injuries and property damage during natural and man-made incidents through mitigation, preparedness, response, and recovery.

Major Emergency Management efforts for 2015 included:

Preparedness |

- All SFFR staff credentialed under State of South Dakota credentialing/accountability system.
- Disaster Exercises
 - City Department Continuity of Operations Plan Tabletop
 - Airport Full-Scale and Tabletop
 - Regional Response (8-County) EOC and Resource Coordination Exercise
 - Avera McKennan National Radiation Patient Exercise
 - Sanford Hospital Evacuation Exercise
 - Sioux Falls Healthcare Coalition Tabletop
 - South Dakota National Guard 82nd Support Team Hazardous Materials Exercise





- Training
 - Advanced Incident Command System 300 Course
 - Storm spotter/severe weather safety training with National Weather Service for 500 attendees.
- Outdoor Warning Sirens: Emergency Management maintains a system of seventy-five (75) outdoor warning sirens to alert the public in the event of tornadoes threatening the community. In 2015 the system was assigned its own digital radio channel and repeater, helping to ensure communications and operational capability.

Response |

- Limited activation of the City Multi Agency Coordination Team (MACT) for record 8" rain/flash flood incident in August 2015.
- Emergency Management deployed to Garretson wind storm to support incident management of community cleanup and recovery.
- City staff deployed to support Delmont Tornado incident management and 75th Sturgis Motorcycle Rally incident management.

Recognition |

City of Sioux Falls Emergency Manager, Regan Smith, named the South Dakota Emergency Manager of the Year by the South Dakota Emergency Management Association.



The Professional Standards division is responsible for a broad range of services that support and enable the mission of Sioux Falls Fire Rescue (SFFR). These include oversight of the training center, health and safety program, Individual Physical Ability Test (IPAT), annual physicals, recruiting, diversity and inclusion, post incident analysis, public information, community partnerships, and management of the department's Emergency Medical Services.

Emergency Medical Services (EMS) |

Emergency Medical Services related incidents continue to lead SFFR's emergency response numbers. With 6,793 EMS calls in 2015, SFFR continues to play its part in providing the citizens and visitors of Sioux Falls with life-saving care. SFFR continuously reviews and monitors how to best provide our

medical services and strives to develop solutions based of best practices and national standards. SFFR works closely with the Regional Emergency Medical Services Authority (REMSA) and other agencies to ensure quality EMS care in Sioux Falls.

In order to meet these needs our two EMS educators Amy Marsh and Jeremy Robertson keep up with not only training all of SFFR's EMTs and paramedic level members, but provide other departments, organizations and community members training and support in many EMS, fire, and other life safety areas. In 2015, the educators continued the commitment to providing four structured EMS quarterly drills for all SFFR EMTs. The topics during the 2015 EMS drills included such areas as obstetrics and labor and deliver.





Not only does SFFR and the EMS division handle medical training for all its members, it has an active role in keeping citizens safe and prepared to meet needs in the community. The public access defibrillator (PADs) program started in 2003 continues to be an important part of keeping Sioux Falls and other communities Heart Safe, with over 670 PADs currently registered in our Sioux Falls area database. A vital component in survivability comes through awareness and training in CPR and AED use; in 2015 over 3,800 individuals were trained through SFFR's community-based education. This doesn't include the thousands more that have been trained in Hands only CPR throughout the year at the numerous events that we are committed to being a part of and often partner with many other great organizations committed to these lifesaving skills. 2015 was the third year as a PulsePoint covered community, the addition of the CPR alerting smart phone app has become a valuable component in engaging everyday citizens! At the end of 2015, there were over 15,000 individuals in Minnehaha County that had downloaded the free PulsePoint application to their smart phones.

Community |

SFFR strives to be a community partner in many beneficial ways. Community service is our business and all areas of the department have a community focus.

The annual Heroes Behind the Badges blood drive provided a fun and friendly event between SFFR and the Sioux Falls Police Department to support the Community Blood Bank and their mission to ensure enough blood is available for those in need during the holiday season. Blood donations between both agencies totaled 982 units, with the real winners of the event being the 2,946 patients positively affected by those donations.

SFFR developed several community partners during the winter comfort pack program development. Several community partners donated items to fill winter comfort packs which were given to less fortunate members of our community. The packs had nonperishable food and personal hygiene items. Members of SFFR, Paramedics Plus Ambulance, Sioux Falls Police Department, and the Sioux Falls Health Department all participated in building and giving away the packs.



Fire Training |

SFFR Training Team Mission Statement: The mission of the Sioux Falls Fire Rescue Training Center is to practice and promote excellence in fire service instruction. The training center is committed to and responsible for providing relevant, challenging, evidence-based training. Our service supports the greater mission of Sioux Falls Fire Rescue and our core values while honoring the traditions of our past.

The training center team is composed of all the members of the Professional Standards division. The team had another spectacular year, which was very busy, yet very gratifying. The SFFR Training Center Team is comprised of three Training Officers; Captain Brian Christiaansen, Fire Apparatus Operator Brad Peterson and Firefighter Jason Marzolf. Our two EMS educators, Amy Marsh and Jeremy Robertson, work very close with the Training Officers to educate and train the incumbent members and the Fire Cadets that enter the 12-week academy. Mr. Mike Ackerman is the department's Fire Protective Equipment Technician (FPET). In 2015,

we officially transitioned Mr. Ackerman over to the FPET position to make the Personal Protective Equipment care, maintenance, and tracking a more pronounced focus for the health and safety of our people. The training team is led by Battalion Chief Michael Clauson.

In 2015, we had two Fire Cadet academies that each consisted of the 12-week education and training protocol. There were a total of 25 Fire Cadets that successfully graduated from the Academy to join the ranks of the other members who serve the citizens and visitors of Sioux Falls. The Training Center team traveled to Indianapolis, Indiana, to participate in the 2015 Fire Department Instructor Conference where they brought back countless training and education concepts, tools, and ideology for the Sioux Falls Fire Rescue organization. Captain Christiaansen and Fire Apparatus Operator Brad Peterson traveled to Peoria, Illinois, to participate and become certified in International Society of Fire Service Instructors; Modern Fire Behavior train-the-trainer course. This course curriculum will be delivered as a Fire Drill in 2016



Several outside agencies utilize the Training Center campus.

to all members of the operations division. Battalion Chief Michael Clauson, Fire Apparatus Operator Brad Peterson and Firefighter Jason Marzolf traveled to Mitchell, SD, to take the Traffic Incident Management train-the-trainer course. These members delivered the training to 85 members of the SFFR organization reinforcing the importance of operations and safety on the highways and interstate systems throughout their respective area of responsibility.

The SD State Fire Instructor conference in Pierre, SD, was represented extremely well by SFFR where 10 members traveled to participate in the conference, gaining significant training and education strategies in fire and emergency medical services strategies and tactics. This is a two-day conference where career and volunteer public safety members come together to boost their instructor skill sets to bring back to their respective team members in their organizations.

The Fire Training team worked meticulously to improve the delivery of course curriculum to the Cadets and incumbents in 2015. In addition to the curriculum improvements, they also purchased a forcible entry prop to be utilized during fire drill evolutions to challenge and improve tactics and techniques of the members. Several props were hand-made for the students and participants of each and every drill that takes place on the Training Center campus.

Several outside agencies utilize the Training Center campus to include the classroom, smoke house, live fire burn tower, and emergency vehicle operations course (EVOC) for continuing education and certification training. Some of these agencies included the Sioux Falls Police Department (SWAT, K-9, and Narcotics), SD Department of Corrections, Minnehaha County Sheriff's Department, Air Guard Crash/Fire/Rescue, and South Dakota Probationary Officers. This collaboration of interagency training has proven to be beneficial for response improvements and a better understanding of specialties of each agency. The United States Navy recruiting office conducts training for recruits preparing to enter naval basic training. The Navy recruits are instructed on extinguisher use, fire hose connection and proper handling, suppression techniques, and teamwork concepts and doctrine prior to departing to military basic training. Several local volunteer fire departments used the training center campus for continuing education and training needs. Crooks, Dell Rapids, Renner, Harrisburg, Tea, Hartford, and Split Rock are just a few of the agencies that trained in 2015.

The mission of the Sioux Falls Fire Rescue Training Center is to practice and promote excellence in fire service instruction.

Battalion Chief Michael Clauson works closely each year with Sioux Falls Parks and Recreation to host "Get Fit with SFFR and SFPR" for four weekends in the month of June. "Get Fit with SFFR and SFPR" worked with 20 children ranging in age from six to nine years old. They are instructed on healthy eating, exercise, team work, and fire safety techniques. The culmination of events takes place on the fourth weekend where the children participate in a finale' event at the SFFR Training Center campus. The kids compete in a series of physical fitness events such as jump rope, pushups, sit ups, and obstacle course work. They are all awarded a certificate of completion and a SFFR t-shirt for their hard work and participation.

In 2015, SFFR purchased Target Solutions, a training and education software platform which has been very good for tracking and reporting personnel training. This platform will help streamline the data reporting for ISO rating and ensure we meet and exceed the expectations of the Accreditation certification. The high tempo of training SFFR conducts annually requires an all-inclusive tracking and reporting software. With the growth of the organization, Target Solutions has been a great fit for the SFFR organization and our people.

The SFFR Training Center becomes busier each day with the growth of the city and department. Meeting the needs and expectations of the SFFR leadership has been very rewarding for the Training Team. The delivery of top notch academic curriculum remains the priority of the nationally accredited and premiere fire service.



Below is a list of some of the training center course offerings that were hosted and delivered in 2015.

- Fire Apparatus Operator; Aerial and Mobile Water Supply Course
- Fire Cadet Academy Group 1
- Fire Cadet Academy Group 2
- Drill I: Active Shooter (multiple fire companies to include Sioux Falls Police Department)
- Drill II: The Science Behind Positive Pressure Attack/ Ventilation, Flow Paths & Suppression Tactics (Underwriters Laboratory (UL) & NIST)
- Drill III: Chainsaws; review of equipment, cleaning, care and maintenance
- Drill IV: Firefighter Survivability (Pittsburgh drill and entrapment simulator)
- National Fire Academy; Leadership II for Fire and EMS Strategies for Personal Success
- National Fire Academy; Exercising Leadership to Facilitate Adaptive Change
- National Fire Academy; Emergency Medical Services Incident Operations
- Child and Infant Car Seat certification course
- Wildland S-130/S-190 courses
- Fire Department Instructors Conference in Indianapolis, Indiana
- Incident Safety Officer course
- Fire Instructor II
- Fire Inspector I
- Fire Investigator I
- Fire Officer II
- Urban Search and Rescue Advanced Breach Break



Step Up For Heroes



Health and Safety |

The SFFR organization takes the health and safety of the members very serious. To ensure the members have safe, healthy, and happy careers, the department Health and Safety committee remain steadfast to the mission of personnel safety. The committee works collectively to remain proactive in many different aspects of research, data collection and fire service trends. The health and safety committee chair Battalion Chief Michael Clauson is very proud of the steps the committee has taken to warrant each and every member has the best equipment, clean gear, and safety components for the job. The SFFR Health and Safety committee is a diverse group of people that are committed to making the fire service and emergency medical service delivery effective and efficient. The Health and Safety committee focused attention on areas such as mental well-being, cancer prevention, physical well-being, adequate hearing protection, and overall firefighter resiliency.

Mike Ackerman is a part of the Health and Safety committee and is responsible for tracking and washing of structural gear. Mr. Mike Ackerman has worked extremely hard to make certain the SFFR members are in clean and serviceable gear. Mr. Ackerman was given a new job description of Fire Protective Equipment Technician. This is a first for the SFFR organization with designating a "stand-alone" position that allocates time and inspection equipment specifically for personal protective equipment.

Three members of the SFFR organization were invited to participate in a national research study that involved a comprehensive assessment of cardiovascular and chemical exposure risks from the combustion of common household contents inside modern structures. Battalion Chief Michael Clauson, Captain Brian Christiaansen

and Firefighter Rachel Van Beek were the SFFR representatives that participated in the month-long study. This study, through amazing partnerships and collaboration between the Illinois Fire Service Institute, UL Firefighter Safety Research Institute, National Institute for Occupational Safety and Health, Globe Manufacturing Company, and U.S. Department of Homeland Security–Federal Emergency Management Agency was funded by an Assistance to Firefighters Grants Program (AFG). This research study directly impacted the way Sioux Falls Fire Rescue operates in regard to the cleaning, care, and maintenance of the members personal protective equipment, structural gear, hoods, and helmets.

https://www.fsi.illinois.edu/documents/research/CardioChemRisksModernFF_InterimReport2016.pdf

The Peer Fitness Trainers (PFT) have continued to make a difference in the SFFR organization relative to health and fitness. The PFT program began a revision in late 2015 and will be finalized in 2016 to capitalize on the expert talents of the members of this Peer Fitness Group. It is imperative to remember that these members are integral to the sustainability of their fellow teammates and the physically demanding environments they work in every day.

SFFR members participated in the Safety Stand-down day which consisted of reviewing safety material such as standard operating procedures, administrative policies, etc. The organization pays close attention to national fire service trends that impact the health and safety of all members who respond to nonemergency and emergency incidents.

Diversity and Inclusion Committee |

In 2015, the Diversity and Inclusion committee continued to work diligently for creating awareness of the importance for diversity in the workforce. SFFR has worked toward a more inclusive environment that directly aligns with the SFFR core values which are embraced by all members of the department. The purpose of the diversity and inclusion committee is to boost awareness of fire, medical services, and public education for the abundant culture groups within the city. As the city of Sioux Falls continues to grow, it is

important to build relationships with all the culture groups in the community so each and every citizen is given top notch service when called to do so. There are currently 140 different languages within the school systems in the Sioux Falls area. It is imperative the SFFR Diversity and Inclusion committee work strategically and operationally to find ways to better communicate with non-English speaking citizens. The SFFR Diversity and Inclusion committee supported several career day events and educational venues with the youth at the Multi-Cultural Center in Sioux Falls.

The Diversity and Inclusion committee is consistent with their involvement with the Festival of Cultures to educate, build relationships, and recruit qualified candidates from various backgrounds. The SFFR Diversity and Inclusion committee continues to build upon their strategic plan which includes designing a community education strategy for recruitment of members from diverse backgrounds. Energetically, the team continues to capitalize on opportunities to meet with leaders of culture groups to build inclusive relationships.



Fire Chaplain Group |

The Chaplain Group is led by Battalion Chief Michael Clauson. The Chaplain Group is comprised of four ordained chaplains, Darwood "Woody" Clauson, Terry Fraker, Bud VanBockern, and Frank Feltis, four support staff members, Honor Guard Commander, Fire Protection Engineer, Avera McKennan Lana Smith, and Retiree Bill Brennan. The SFFR Chaplain Group was actively involved in several aspects of care and support of the men and women of SFFR in 2015. In 2015 several of the Chaplain Group participated in the Applied Suicide Intervention Skills Training (ASIST) in Sioux Falls. In addition to the ASIST training they were actively involved in other stress, mental first aid, and counseling training that took place.

This assertive group is a proactive group that meets and exceeds the needs of all personnel of the SFFR organization.

SFFR Fire Chaplain Mission Statement |

To give aid, comfort, and help to firefighters and their families, and the community; to work towards the betterment of all areas of the fire and emergency service.

SFFR Fire Chaplain Vision Statement |

To serve God, to aid humanity, our communities, our government, our religions, our Country and the quality of life.





Fire Prevention

Dean Lanier
Fire Marshal

The mission of the Fire Prevention Division is to save lives and property in City of Sioux Falls through the strategies of code enforcement, public education, fire investigation, and engineering. The division's effectiveness is measured through trend analysis of fire behavior resulting in dollar loss, injury, or fatalities. During 2015, fire prevention made strides in reducing fire dollar loss and fatalities. Trends for fire loss continue decline and the year ended with zero fatalities. The division promotes collaborative relationships with other local charitable and non-charitable organizations to provide community risk reduction efforts. The Fire Prevention Division continues to seek ways to leverage technology, streamline processes, and gain new efficiencies—all in an effort to provide outstanding fire and life safety services to the community.

Code Enforcement | Enforcement of adopted fire code is the responsibility of all Firefighters. Sioux Falls Fire Rescue provides fire and life safety services to the community through comprehensive code enforcement activities, including model code adoption, plans review, permitting, operational licensing, and recurring inspections. Fire Prevention adopts model codes from the International Code Council (ICC) with amendments to local ordinance. Installation practices outlined in National Fire Protection Association (NFPA) references are used as industry standard when referenced within adopted code. Whenever applicable, nationally recognized standards and products certified by Underwriters Laboratory (UL), Factory Mutual (FM), American Society of Mechanical Engineers (ASME), and American Petroleum Institute (API) are used as the framework for all building, installation, and technical design criteria. In 2015, the city implemented new land management software managing code enforcement across many Fire Prevention functions. As more features and functions are deployed, Fire Prevention hopes to play a pivotal role in improving construction inspection services and warehousing building life safety information.

Public Education | Sioux Falls Fire Rescue provides a variety of fire safety and injury education programs. Working in conjunction with American Red Cross and other public safety organizations, our community-based risk reduction strategy continues to thrive. "Growing Resilient" Sioux Falls continues to move forward installing ten-year smoke alarms and carbon monoxide detectors to address targeted community needs. This public/private partnership effort also included blood pressure checks and emergency pre-

paredness tips. Sioux Falls Fire Rescue's grade school education is conducted through programs focusing on kindergarten through fifth grade and through delivery of programs tailored to specific audiences. As a new function, Fire Prevention added additional capabilities by providing online scheduling for grade school fire safety programs. Using teacher surveys to keep school education programs current, Fire Prevention revised and edited programs to meet teacher expectations. This survey and response model will assist in having refreshed material to meet our program objectives. As the community grows, public education programs are continually evaluated for content and effectiveness to enhance future delivery.

Fire Investigation | Fires occurring within the City of Sioux Falls are required by state law and adopted fire code to be investigated for origin and cause. These determinations are necessary to define whether the fire was incendiary, accidental, natural, or undetermined. This determination provides the framework for developing strategies to minimize future fire occurrence and injuries. When a fire is determined to be accidental in origin, investigation results are used to eliminate or reduce future occurrences through fire code revisions and public education programs. If a fire is determined incendiary, investigators work in conjunction with Sioux Falls Police and other investigative agencies to conduct full investigations with the goal of prosecuting those responsible.

Engineering | A centerpiece of fire engineering within Sioux Falls Fire Rescue is conducting plans review on infrastructure and fire protection features for new construction and renovations. As the city continues to annex in undeveloped property, key fire code provisions of vehicle access and hydrant layout are reviewed for compliance during the planning process. New structures are reviewed for required fire protection features including fire sprinklers, alarms, and special extinguishing systems. Implementing new Land Management software has proven to be a critical asset, as 2015 was the third consecutive record year in construction valuations. Implementing new technology will continue to be a focus in 2016, as reviews, permitting and inspections all become a digital process. These enhancements will hopefully bring improved focus to customer service and streamlined processing for future projects.



Personnel

Name	Rank	Name	Rank	Name	Rank
Ackerman, Mike	FPET	Fluit, Nathan	FF	Matthews, Denny	MM
Alberico, Stephen	FI	Foster, Rocky	Captain	Mattson, Steven	FAO
Alvey, Jon	FF	Frick, Adam	FF	Mayfield, Colt	FF
Anderson, Scott	Captain	Funke, Joseph	FF	McAreavey, Matthew	BC
Ashley, Matthew	FF	Gacke, Scott	Captain	McGuire, Kevin	FAO
Backer, Kurt	MFF	Galbreath, Shannon	FI	McManigal, Jay	FF
Baier, Andrew	Captain	Gilmour, Garret	MFF	McNamara, Andrew	FF
Balzer, Todd	MFF	Goodroad, Brad	DC	Medema, Douglas	Captain
Bartz, Eric	FF	Gortmaker, Joy	FA	Meier, Michael	FAO
Bauers, Michael	FAO	Gramlick, Michael	Captain	Menage, Scott	FAO
Beckman, Cole	MM	Greer, Shawn	FF	Milner, Cameron	FF
Bivens, Anthony	FF	Groen, Josh	FF	Mortensen, Bo	FAO
Boden, Andrew	FF	Grogan, Kelly	EMS	Mulder, Wade	Captain
Boe, Trent	Captain	Haiar, James	Captain	Murphy, Kyle	FF
Bosler, William	FF	Hallstrom, Allen	Captain	Murphy, Michael	Captain
Brannen, Payton	FF	Hanson, Anthony	FF	Murphy, Neal	FF
Brunette, Steven	BC	Hartmann, Daniel	MM	Mydland, Matthew	FF
Bukovich, Mark	BC	Havlovic, Michael	MFAO	Neeb, Linda	Clerk
Burdick, Guy	FAO	Helm, Jeffery	DC	Neises, Jarud	Captain
Button, Jon	Captain	Herrboldt, Kent	FAO	Nelsen, Terry	Captain
Buys, Nathan	FF	Herther, Adam	FF	Nelson, Darres	FF
Carlson, Heather	Captain	Hill, Jeremy	FF	Nugteren, Timothy	FAO
Caven, Sara	Clerk	Hill, Robert	Captain	Nusbaum, Adam	FF
Christensen, Robert	FAO	Hilsenroth, Jr., Donald	FF	O'Hara, Todd	FAO
Christiaansen, Brian	Captain	Hoekman, Timothy	FF	Olson, Anthony	FF
Christie, Jeffrey	FF	Hofer, Chris	FF	Olson, Bradley	Captain
Clark, Dennis	FPE	Hultgren, Eric	FF	Olson, Mark	FF
Clarke, Jason	FF	Irsfeld, Christopher	Captain	Olson, Michael	FF
Clauson, Michael	BC	Isaak, Michael	FAO	Orth, Conley	FAO
Cory, Johnathan	FF	Jacobsen, Jordan	FF	Paszkievicz, Phillip	FF
Cox, Darin	FF	Jensen, David	Captain	Petersen, David	Captain
Cox, Ryan	Captain	Johnson, Curtis	FI	Peterson, Bradley	FAO
Davis, Ryan	FAO	Kaffar, Patrick	FF	Peterson, Jackson	FAO
DeBoer, Clint	Captain	Kolda, Kyle	FF	Pontrelli, Mitchell	FF
Deck, Darryn	MFF	Koolmo, Graham	FF	Powers, James	BC
Dieren, Eric	FF	Koopman, Michael	Captain	Pugliese, Travis	FF
Dirksen, Harlan	FAO	Kott, Robin	Temp	Rahm, James	FF
Donelan, Patrick	Captain	Kringstad, Brian	Captain	Randby, Jon	FF
Dose, Shawn	FI	Kurvink, Nicholas	FF	Rangel, Kirk	FAO
Douglas, Matthew	FF	Lacey, William	FAO	Rauk, Ryan	FF
Duffy, Patrick	FAO	Langenfeld, Luke	FF	Reel, Thomas	FAO
Dulaney, Garrett	Captain	Lanier, Dean	FM	Rensch, Russ	FF
Dykstra, Robert	Captain	Lehr, Ryan	FF	Ridge II, John	Captain
Enalls, Harvey	FF	Limesand, Ryan	FAO	Rieland, Scott	FAO
Engdahl, Eric	Captain	Lowe, Todd	Captain	Robertson, Jeremy	EMS
Evertse, Mitchell	FF	Luebke, Dustin	FF	Ruml, Nathan	Captain
Farland, Randy	Captain	Luther, Nick	Captain	Sanders, Jonathan	FF
Farsdale, Ryan	FF	Maag, Barry	FI	Scandin, Troy	Captain
Fedders, Tim	FAO	MacArthur, Kathy	Temp	Scherbring, Christopher	FF
Feenstra, John	FF	March, Daniel	FAO	Schillerstrom, Timothy	Captain
Fessler, Steven	BC	Marsh, Amy	EMS	Schmidt, Michael	FI
Fischer, John	FF	Martens, Jeff	FAO	Schneider, Daniel	Captain
Flannery, Robbie	FF	Marzolf, Jason	FF	Schnetter, Troy	FAO

Name	Rank
Schons, Timothy	FF
Schroeder, Adam	FF
Schultz, Carla	AA
Seten, John	MFAO
Sharpe, Garrett	FF
Sideras, James	Chief
Siebenahler, Jordan	FF
Skiles, Daniel	FAO
Skoglund, Christopher	FAO
Skuza, Richard	FAO
Small, Robert	FF
Smidt, Luke	FF
Smith, Charles	FI
Smith, Cody	FF
Smith, Jeremy	FF
Smith, Joshua	Captain
Smith, Regan	EM
Sona, Kevin	Captain
Stark, Ian	FF
Strasser, Nathan	FF
Stratmeyer, Paul	FAO
Strom, Reed	FAO
Sunde, David	FAO
Swartz, Douglas	FAO
Talley, David	Captain
Thier, Michael	FAO
Thom, Travis	BC
Titus, Jay	DC
Tjeerdsma, Tyler	FI
Top, Michael	BC
Tracy, Benjamin	FAO
Van Beek, Jason	MFF
Van Beek, Rachel	FF
Van Gundy, Brook	FF
Van Riesen, Grant	Captain
Van Zee, Jeffrey	FF
Vanden Top, Matthew	FF
Vosburg, Bradley	FAO
Vosburg, Cody	FF
Vosburg, Robert	Captain
Voth, Kristian	FF
Wagner, Daniel	FF
Wagner, John	FI
Wall, Andrew	FF
Wallace, David	FF
Ward, Kendall	Captain
Weber, Shannon	FF
Welbig, Timothy	FAO
Wentz, Russell	FF
Willert, Travis	FAO
Willis, Terry	FF
Wilson, Michael	FF
Wold, Randy	MFF
Young, Chad	FF





Retirees |

Joel Van Ekeren January 16, 2015
Fire Apparatus Operator

Jeb Ford May 6, 2015
Firefighter

Wade McKenney August 13, 2015
Master Fire Apparatus Operator

Mark Egger September 26, 2015
Fire Captain

John Daniels October 23, 2015
Fire Inspector

Resignations |

Grant Hanson August 11, 2015
Firefighter

Promotions |

Kevin McGuire January 19, 2015
Fire Apparatus Operator

David Sunde April 13, 2015
Fire Inspector

Rocky Foster April 13, 2015
Fire Captain

Benjamin Tracy August 3, 2015
FAO

Scott Rieland August 3, 2015
FAO

Travis Willert August 3, 2015
FAO

Michael Meier August 3, 2015
FAO

Shawn Dose September 14, 2015
Fire Inspector

Michael Murphy September 28, 2015
Fire Captain

Clint DeBoer September 28, 2015
Fire Captain

Brian Kringstad September 28, 2015
Fire Captain

David Jensen September 28, 2015
Fire Captain

Ryan Limesand October 26, 2015
Fire Inspector

Reassigned |

David Sunde September 14, 2015
FAO

Designations |

Jason Van Beek May 27, 2015
Master Firefighter

Reclassification |

Michael Ackerman October 12, 2015
Fire Protective Equipment Tech

New Employees |

Derek Swain January 12, 2015
Firefighter

Mark Olson January 12, 2015
Firefighter

Byron Ostrom January 12, 2015
Firefighter

Payton Brannen January 12, 2015
Firefighter

Jordan Siebenahler January 12, 2015
Firefighter

Joseph Funke January 12, 2015
Firefighter

Adam Schroeder January 12, 2015
Firefighter

Darres Nelson January 12, 2015
Firefighter

Matthew Mydland January 12, 2015
Firefighter

Jason Clarke January 12, 2015
Firefighter

Jeremy Smith January 12, 2015
Firefighter

Chad Young January 12, 2015
Firefighter

Eric Dieren January 12, 2015
Firefighter

Cody Smith January 12, 2015
Firefighter

Andrew McNamara January 12, 2015
Firefighter

Luke Smidt August 3, 2015
Firefighter

John Fischer August 3, 2015
Firefighter

Mitchell Evertse August 3, 2015
Firefighter

Eric Hultgren August 3, 2015
Firefighter

Matthew Ashley August 3, 2015
Firefighter

Neal Murphy August 3, 2015
Firefighter

Jordan Jacobsen August 3, 2015
Firefighter

Russel Ditalo August 3, 2015
Firefighter

Patrick Kaffar August 3, 2015
Firefighter

John Feenstra August 3, 2015
Firefighter

Jonathan Sanders August 3, 2015
Firefighter

Grant Hanson August 3, 2015
Firefighter

Cameron Milner August 3, 2015
Firefighter

Michael Barron August 3, 2015
Firefighter

Nathan Buys August 3, 2015
Firefighter

Firefighters of the Quarter |

Adam Frick First Quarter

Phil Paszkiewicz Second Quarter

Ryan Cox Third Quarter

Jason Marzolf Fourth Quarter

Firefighter of the Year |

Adam Frick

Crew of the Year |

Battalion Chief Michael Clauson

Captain Brian Christiaansen

FAO Bradly Peterson

Firefighter Jason Marzolf

EMS Educator Amy Marsh

EMS Educator Jeremy Roberts

Fire Protective Equipment Tech

Michael Ackerman

American Legion Firefighter of the Year |

FF Rachel Van Beek

American Legion EMT of the Year |

EMS Educator Amy Marsh

VFW Firefighter of the Year |

Guy Burdick

VFW EMT of the Year |

Amy Marsh

Terminated |

Derek Swain March 9, 2015
Cadet Firefighter

Byron Ostrom March 17, 2015
Cadet Firefighter

Michael Barron August 28, 2015
Cadet Firefighter

Russell Ditalo October 13, 2015
Cadet Firefighter



Organizational Chart and Fire Stations Map



