



## State Fire Marshal Division

The State Fire Marshal Division, established in 1911, is the oldest of the five divisions within the Department of Public Safety. Our mission statement is “Through promotion and enforcement of fire safety regulations, training, building code provisions, and fire investigations, this division helps reduce the loss of life and property by fire.”

The division is currently comprised of four (4) bureaus:

- Fire Prevention Inspection
- Arson and Explosives Bureau
- State Building Code Bureau/Electrical Inspection Section
- Fire Service Training Bureau

Presently the Division has 28 sworn officers and 50 civilian employees. State Fire Marshal website: <http://www.dps.state.ia.us/fm/index.shtml>

## Director Ray Reynolds



Ray Reynolds currently serves as the Director of the State Fire Marshal Division. Ray seeks to raise awareness of a state-wide fire prevention message as he serves as the State Fire Marshal for Iowa.

Ray began his law enforcement service as a reserve deputy sheriff in 1987 and became a full-time municipal police officer in 1988. He has been a member of the fire service since 1986 and holds certifications as a Firefighter II, paramedic, bomb technician, hazardous materials technician, certified fire investigator, and numerous other specialties. Ray works part time as a paramedic/firefighter for the Indianola Fire Department and has served on five different fire departments in the last 20 years.

Ray joined the State Fire Marshal Division in 1996 and was detailed to the State of Iowa Intelligence Fusion Center in 2006, where he was assigned to the Joint Terrorism Task Force (JTTF). He completed the LEIN School in 2007, and has

assisted with LEIN Schools since that time.

During the last two years, Ray has received extensive specialized training in terrorism, intelligence, informants, and other topics, and he has headed up two major cases within the JTTF during his tenure at the Des Moines FBI Office. He previously served as a Special Agent in Charge—State Law Enforcement Intelligence Network (LEIN) Coordinator, with the Iowa Department of Public Safety until being promoted to the position of Director.

Ray is a 22 year veteran with the Iowa Army National Guard serving in Iraq from 2003 to 2004 and retired as Sergeant First Class E7 with an Honorable Discharge.

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Citizens of Iowa:

The State Fire Marshal Division has faced some significant challenges during the current economic times. A budget reduction has caused our office to have to cut or lose several positions. In the midst of these economic times, we continue to provide quality service in the four bureaus that make up the State Fire Marshal Division.

This year, our Arson and Explosives Bureau faced three major high profile arson cases. While this does not represent the total number of arson investigations covered, it does have an impact on resources when multiple Special Agents are involved to bring a successful resolution and arrest to an arson case. An arsonist is estimated to complete 30 arson fires before ever being prosecuted. The State Fire Marshal Division has launched our Arson Award program and created public posters to discourage arson in our state. The investigation staff are certified fire investigators and are relentless in the pursuit of arsonists in this state.

The Fire Service Training Bureau has conducted many certification courses as minimum training standards have gone into effect July 1, 2010. Making our firefighters better trained will keep them safe. Development of better trained fire officers is needed to assure calm leadership in times of changing fire environments. Our goal is for every Iowa firefighter to be trained at the Firefighter I level.

In order to combat the highest fire risks, our Fire Prevention Bureau will need to focus efforts at preventing fires in occupancies where people sleep. One could legitimately argue fires are not occurring in other occupancies because we conduct inspections. Fire data shows us residences are being built to withstand heavy loads, the lightweight construction of today will pose a significant hazard to firefighters in

the future. We have seen a 35% increase of firefighter deaths nationwide in residences built of lightweight construction. The State Fire Marshal Division will aggressively monitor this trend to assure our firefighters have every safety advantage when fighting a fire.

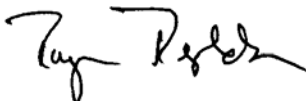
The Electrical Licensing and Inspection section has licensed over 18,000 electricians and conducted over 28,000 inspections of electrical installations. The safety of electrical installations has improved in this state as a result of this section's work. While some are skeptical of the program, we see tremendous value in having trained electricians doing work throughout Iowa.

In this report, you will see positive news that our fire deaths for 2010 are down to a 100 year low as we approach the final quarter of 2010. Aggressive campaigns involving smoke detection and sprinklers working in concert are responsible for getting "our fire prevention message" out to the public. Since March 19, 2010, there have been 106 lives saved by working smoke detectors (statistics current as of September 22, 2010). It is interesting that 106 human lives have been saved because of a two-dollar 9-volt battery being placed in a smoke detector. That equates to more than one life saved every two days in Iowa. By tracking our successes, we have a better understanding of fires and what it takes to save lives.

Disappointing is the fact that over 100 children are admitted to our state's burn unit for thermal injuries. Our most precious, continue to be the most susceptible to the ravaging effects from fire. Children and the elderly are most at risk from dying in a fire. At the time of this report 33% of our fire fatalities were children under the age of eight. It doesn't have to be this way. Join our team and promote fires safe living.

In 2011, the State Fire Marshal Division will celebrate our 100 year anniversary. I challenge you to get involved in fire safety. We will saturate the airways with messages of smoke detections, sprinklers and saving lives. I know 106 people that would agree with me.

Respectfully,

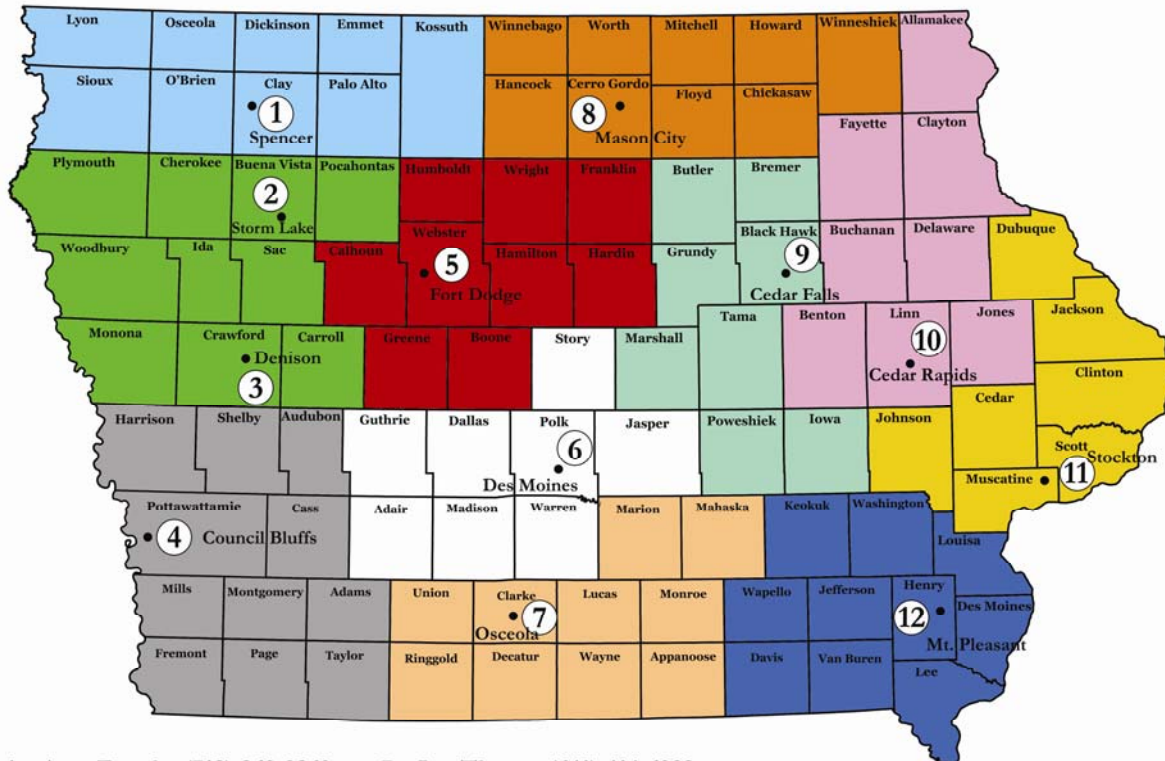


Ray Reynolds  
State Fire Marshal  
Iowa Department of Public Safety

# FIRE PREVENTION BUREAU

The Fire Prevention Bureau consists of two flammable liquid inspectors, one assisted living inspector, 13 field inspectors and two supervisors.

## Fire Prevention Bureau



1. Amy Fratzke (712) 260-9260
2. Vacant
3. Mary Miller (712) 369-0935
4. Tim Spears (712) 308-3976
5. Rodd Larson (515) 570-8140
6. Andy McCall (515) 689-5240

7. Jon Thorup (641) 414-6032
8. Lucas Ossman (641) 512-0383
9. Steven Sonderleiter (319) 242-1878
10. Valerie Reeves (319) 213-0711
11. Shyann Warrick (563) 370-2486
12. Mark Weidman (515) 577-9715

- Rob Van Pelt (AL) (515) 205-1420  
 Jeff Miller (FL) (515) 725-6164  
 Mike Lillebo (FL) (515) 250-5458  
 Dan Wood (HC) (515) 689-1574  
 AL - Assisted Living/Adult Daycare  
 FL - Flammable Liquids  
 HC - Healthcare/CMS

**Ron Humphrey, Bureau Chief (515) 725-6145**  
**Kyle Gorsh, Assistant Bureau Chief (515) 725-6145**

The 2009 edition of the International Fire Code was adopted as the State fire code and took effect in January 2010. The state fire code applies to all buildings in the State except facilities that are enrolled in the Medicare/Medicaid Program. These facilities are under the federal rules which have adopted the 2000 Life Safety Code.

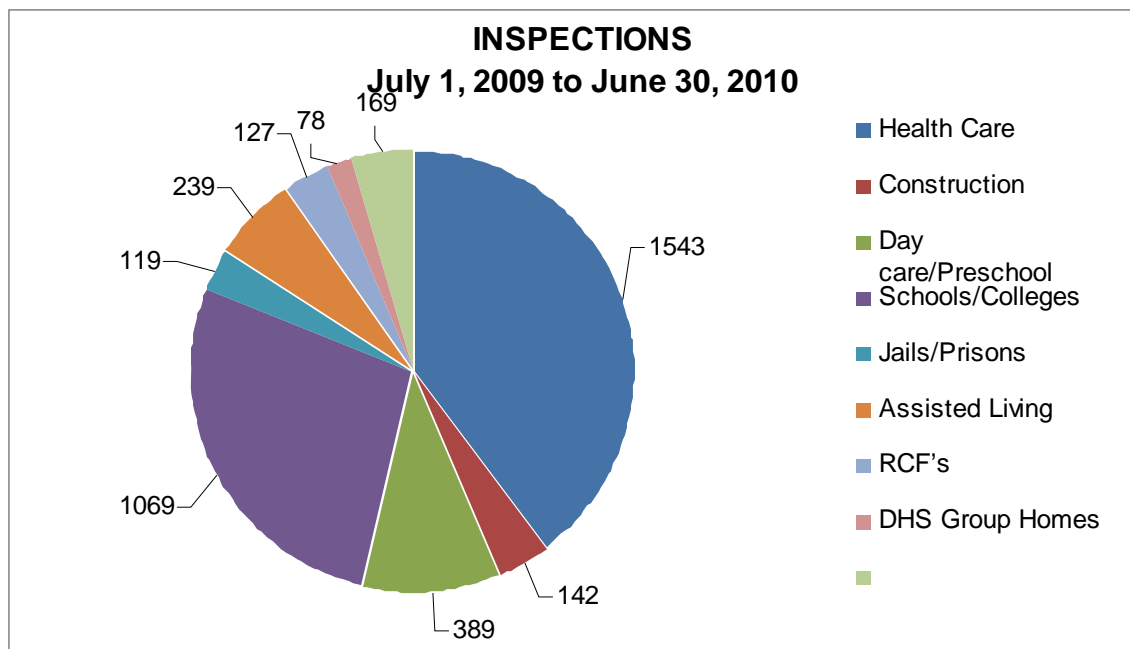
To view the rules applicable to a specific occupancy, visit our website at <http://www.dps.state.ia.us/fm/inspection/index.shtml>

Fire Safety Code Inspections are conducted in a variety of facilities ensuring compliance with both federal and state laws and rules. Those facilities inspected by our fire inspectors include:

- Nursing Homes
- Child Care Facilities
- Jails & Penitentiaries
- State Owned Buildings
- Schools, Colleges, and State Institutions
- Assisted Living Facilities
- Intermediate Care Facilities
- Hospitals
- Adult Daycare Facilities
- Any other building where the public would congregate
- Complaint inspections & investigations
- Ambulatory Care Centers
- Residential Care Facilities



A total of 3,875 inspections were conducted for fiscal year 2010. Listed in the graph below are the major inspections conducted.



# Flammable Liquids



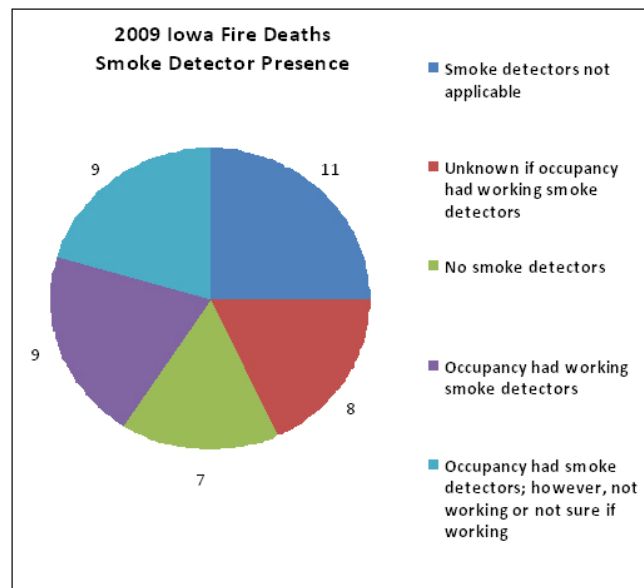
The flammable liquids inspection duties and responsibilities include inspecting facilities and records of owners and operators of aboveground petroleum storage tanks in the State of Iowa. In addition, the inspector investigates and conducts inspections on all complaints received on any aboveground petroleum tanks and liquid propane containers throughout the State of Iowa. The flammable liquids inspector also takes part in any rule making process involving

flammable liquid codes. The flammable liquids inspector's duties also include reviewing plans on all new or replacement installations of aboveground storage tanks, and liquid propane containers.

In addition, a yearly registration program of flammable/combustible liquids aboveground storage tanks with the capacity greater than 1,100 gallons is maintained by the flammable liquids program. This involves updating owner records, mailing registration renewals, and processing and maintaining a \$70,000 account. Website: <http://www.dps.state.ia.us/fm/inspection/flammable/index.shtml>.

## Fire Deaths

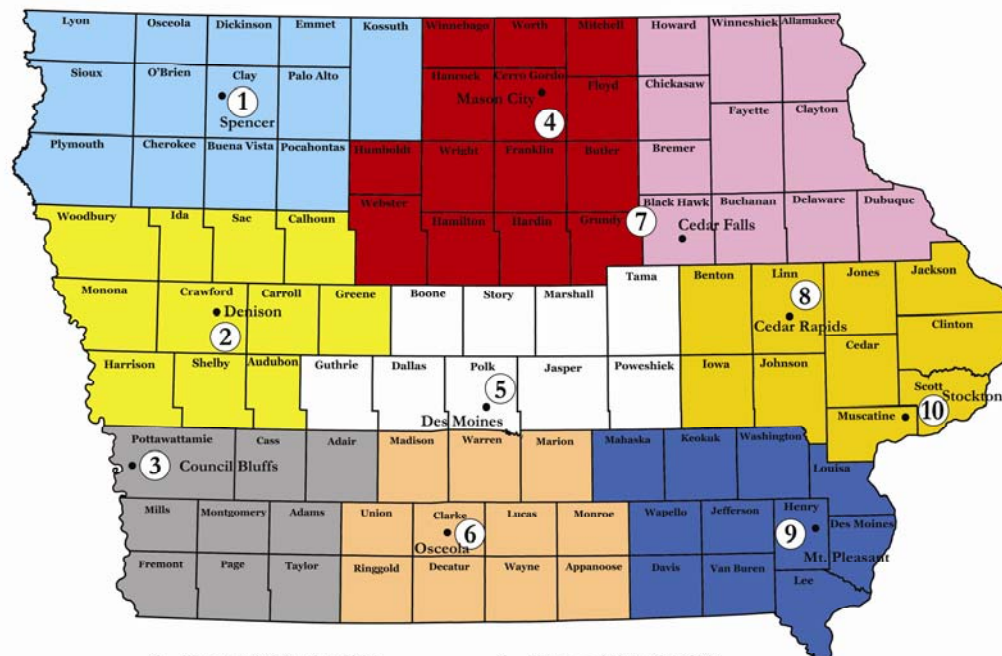
Fire related incidents killed 46 civilians in calendar year 2009. Out of the 46 deaths, nine of the fire related incidents had smoke detectors. Nine incidents had detectors that were present but not working or not sure if working. As you can see by this graph, there is still an on-going problem with working smoke detectors. These statistics were compiled through the National Fire Incident Reporting System which Iowa has been a member of since April 1979.



# ARSON & EXPLOSIVES BUREAU

The Arson and Explosives Bureau investigates fire and explosion scenes to determine cause and conducts criminal investigations directed toward arrest and prosecution. The Bureau also has statewide responsibility for the investigation of bombings and other explosive devices and inspects and licenses explosive storage facilities throughout the state. Each agent of the Arson and Explosives Bureau is required to complete training to be certified as a bomb technician through the FBI Hazardous Devices School at Huntsville, Alabama. Each agent is certified to assist with the investigation of clandestine drug labs, due to the volatility of chemicals and other supplies used in these operations.

## Bureau of Arson & Explosives



- |                                    |                                |
|------------------------------------|--------------------------------|
| 1. Vacant (515) 725-6145           | 6. Vacant (515) 725-6145       |
| 2. Jeff Cullen (712) 267-9012      | 7. Mark Sand (319) 242-1527    |
| 3. John Ticer (712) 308-3977       | 8. Joe Lestina (319) 931-5402  |
| 4. Bryan Shupe (641) 425-8813      | 9. Jeff Shatzer (319) 931-2219 |
| 5. David Linkletter (515) 689-1463 | 10. Justin Wade (563) 370-0849 |

An annual two-week Fire Investigation School is conducted by this bureau for local fire and law enforcement officials. In addition, several classes are held around the state to provide local officials the opportunity to see various types of explosives, and to provide direction for safe and proper response to such incidents.

The Bureau also maintains an Arson Hotline for citizens to use to provide

information that may be helpful in the resolution of suspected arson cases. The Arson Hotline Number is 1-800-532-1459.

The State Fire Marshal Division Arson and Explosives Bureau received a grant from the Iowa Homeland Security & Emergency Management Division to purchase a new response vehicle to be used on any case that requires additional equipment or support. The Bureau also received a Federal Homeland Security grant to purchase the first explosive robot in Iowa. The robot allows Bomb Technicians to remotely render explosive and suspicious devices safe.



The Bureau has one K-9 located in Council Bluffs that is used for accelerant detection. This K-9 has been utilized in many fire investigations and is available to assist any fire department or law enforcement agency with scene analysis.

Three Hundred Forty investigations were conducted during calendar year 2009. This included 250 fires that were investigated. Of those fires 68 were determined to be the result of arson, 81 were accidental and the cause of 101 could not be determined. The remaining investigations represented bombing incidents, bomb threats, suspected explosive devices, explosive disposals, blasting complaints, search warrants, illegal explosive possessions, K-9 protective details, and clandestine drug labs. Investigations by Fire Marshal Division resulted in 46 arson arrests and five arson cases resolved. Total investigations for calendar year 2009 resulted in a dollar loss of \$41,183,800. Website: <http://www.dps.state.ia.us/fm/arson/index.shtml>.

## Building Code Bureau

The Building Code Bureau is charged with the adoption and enforcement of the Iowa State Building Code. This is achieved through the review and approval of construction drawings, specifications and through building code inspection. The State Building Code is contained in Iowa Administrative Code 661—Chapters 300, 301, 302, 303, 310, 322, 323 and Chapter 16. It is based upon the International Building Code as published by the International Code Council. Besides the International Building Code, the State Building Code is made up of the International Residential Code, International Mechanical Code, International Existing Building Code, International Energy Conservation Code, and the National Electrical Code



# Fire Service Training Bureau



The Fire Service Training Bureau is Iowa’s designated state fire academy. Located in Ames, the Bureau provides quality training and education for Iowa’s fire and emergency services. The Bureau is part of the State Fire Marshal Division of the Iowa Department of Public Safety.

The Fire Service Training Bureau is committed to meeting the training needs of Iowa’s fire service by emphasizing up-to-date, recognized training; partnerships with Iowa’s community college districts; supporting the regional emergency response training centers; and supporting “in-house” training opportunities.

Services are provided through the Bureau’s Field Programs, Certification Programs, Special Programs, along with the Bureau’s support for technical assistance to the Iowa fire service. In fiscal year 2010, the Bureau conducted 1,597 classes (through field courses, workshops, symposiums, and conferences), with 18,908 students participating. The Bureau also held 253 certification examination sites, providing 4,214 examinations for various professional certification levels. Through these efforts, the bureau provided a total of 1,850 programs reaching a total of 23,122 participants (combining the classes and certification exams). This activity reflects a 9% increase over the previous fiscal year.

During the past several years, the bureau has also supported the efforts of the “Everyone Goes Home” program, which include the 16 Firefighter Life Safety Initiatives. As a part of this support, the Bureau has taught Iowa fire service personnel on how to incorporate these 16 firefighter life safety initiatives into their daily training. The Bureau has also encouraged the Iowa fire service to report to the Firefighter Near Miss Reporting System.



The Bureau’s certification program is accredited by the International Fire Service Accreditation Congress (IFSAC). After an extensive site visit in the fall of 2009, the Bureau received additional accreditation from the National Board on Fire Service Professional Qualifications (ProBoard). Both IFSAC and the ProBoard are peer-driven organizations that accredit training entities that provide professional

certifications based on the National Fire Protection Association “Professional Qualification Standards”. The Bureau is currently accredited to issue professional certifications for the following eleven levels:

- Firefighter I (NFPA 1001)
- Firefighter II (NFPA 1001)
- Driver/Operator—Pumping Apparatus (NFPA 1002)
- Driver/Operator—Aerial Apparatus (NFPA 1002)
- Hazardous Materials: Awareness (NFPA 472)
- Hazardous Materials: Operations (NFPA 472)
- Fire Instructor I (NFPA 1041)
- Fire Instructor II (NFPA 1041)
- Fire Officer I (NFPA 1021)
- Fire Officer II (NFPA 1021)
- Fire Inspector I (NFPA 1031)
- Fire Investigator (NFPA 1033)

The bureau’s website is <http://www.dps.state.ia.us/fm/fstb/index.shtml>