

**INCORPORATING COMMERCIAL AND HIGH LIFE HAZARD OCCUPANCY FIRE  
PREVENTION VISITS INTO ROUTINE ACTIVITIES OF THE OPERATIONAL  
STAFF OF THE EUREKA FIRE PROTECTION DISTRICT**

LEADING COMMUNITY RISK REDUCTION

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An Applied Research Project submitted to the National Fire Academy  
as part of the Executive Fire Officer Program

June 2004

**CERTIFICATION STATEMENT**

I hereby certify that this paper constitutes my own product, that where the language of others is set forth, quotation marks so indicate, and that appropriate credit is given where I have used the language, ideas, expressions, or writings of another.

Signed: \_\_\_\_\_

## Abstract

The problem was that the operational staff of the Eureka Fire Protection District (EFPD) had limited knowledge of commercial and high life hazard occupancies. This lack of familiarity was caused by the cessation of company commercial fire prevention inspections several years ago.

The purpose of this research was to describe various types of activities that occur during company fire prevention visits to commercial and high life hazard occupancies. It described benefits and disadvantages to both firefighting personnel and occupants and owners of commercial and high life hazard occupancies when company personnel accomplished fire prevention visits to these buildings. This descriptive research project included the following research questions:

1. What types of activities occur during company fire prevention visits to commercial and high life hazard occupancies?
2. What are the benefits to firefighting personnel in doing fire prevention visits to commercial and high life hazard occupancies?
3. What are the disadvantages to firefighting personnel in doing fire prevention visits to commercial and high life hazard occupancies?
4. What are the benefits to occupants and owners in company personnel doing fire prevention visits to commercial and high life hazard occupancies?
5. What are the disadvantages to occupants and owners in company personnel doing fire prevention visits to commercial and high life hazard occupancies?

A literature review conducted at the Learning Resource Center of the National Fire Academy started the procedural process for the research. Other procedures included a business

survey of the businesses in the EFPD and a fire department survey of fire departments in the Greater St. Louis Region Fire Chief's Association.

The results showed that in service inspections were a vital component of the fire prevention program both for reducing hazards and for firefighter familiarization.

The researcher recommended that a modified inspection and familiarization program be implemented at the EFPD.

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## Introduction

The problem is that the operational staff of the Eureka Fire Protection District has limited knowledge of commercial and high life hazard occupancies including: building layout, utilities, water supply, and fire load. This lack of familiarity is caused by employee turnover and the cessation of company commercial fire prevention inspections several years ago. This substantially increases the risk of death or injury to firefighters operating at fires in these often complex and hazardous structures.

The purpose of this research is to describe various types of activities that occur during company fire prevention visits to commercial and high life hazard occupancies. It will describe benefits and disadvantages to both firefighting personnel and occupants and owners of commercial and high life hazard occupancies when company personnel accomplish fire prevention visits to these buildings. This descriptive research project includes the following research questions:

1. What types of activities occur during company fire prevention visits to commercial and high life hazard occupancies?
2. What are the benefits to firefighting personnel in doing fire prevention visits to commercial and high life hazard occupancies?
3. What are the disadvantages to firefighting personnel in doing fire prevention visits to commercial and high life hazard occupancies?
4. What are the benefits to occupants and owners in company personnel doing fire prevention visits to commercial and high life hazard occupancies?
5. What are the disadvantages to occupants and owners in company personnel doing fire prevention visits to commercial and high life hazard occupancies?

## Background & Significance

The Eureka Fire Protection District (EFPD), a property and real estate tax supported governmental entity, was created by a vote of the citizens in November of 1970. Prior to this election fire protection was provided by the all volunteer Eureka Volunteer Fire Department which was funded by a membership fee paid by the property owners in the community and other nominal fund raising efforts. The Eureka Volunteer Fire Department was formed as a result of a serious fire that threatened the unprotected community in 1944. Before the formation of the EFPD the growth of the community exceeded the capability of the Eureka Volunteer Fire Department to provide effective services.

The EFPD protects an 82 square mile community in southwestern St. Louis County and northwestern Jefferson County. The EFPD protection area includes 11 miles of interstate highway, 37 miles of rivers, a major theme park with adjoining water park, a medium security prison, the fifth largest Boy Scout reservation in the United States and a rare Midwestern ski resort. The population routinely is between 25,000 and 30,000 people in the predominantly bedroom community. The population during seasonal activities can increase to between 50,000 and 70,000 people. The Eureka Fire Protection District provides fire suppression, education, and prevention activities as well as advanced life support transport ambulance service.

The EFPD hired the former volunteer Fire Chief George Manetzke, Jr. to lead the department as the first paid Fire Chief and first paid employee. Unfortunately Chief Manetzke became the only EFPD firefighter killed in the line of duty during a propane truck explosion in November of 1971. Since that time the Eureka Fire Protection District has hired full time staff over the years and currently has 35 full time employees both line and support, and volunteer staff that numbers about 60 line members at any time.



Beginning in 1971 with the appointment of the first volunteer Fire Marshal the EFPD initiated a fire inspection program that included commercial and high life hazard occupancies and new construction inspections. After the hiring of the first full time firefighters in 1974 the engine companies at various times accompanied the Fire Marshal and also completed on their own fire prevention inspections of commercial occupancies that were at reduced risk, for instance occupancies that were scheduled for an annual inspection only. At various times in the following years company fire prevention inspections were irregularly conducted based on the administration perception of the workload of the paid staff. There were consistent fire prevention inspections conducted by the fire prevention bureau personnel that included the Fire Marshal, part time and full time inspectors.

In 1993 the current Fire Chief and this researcher became the first State of Missouri Certified Fire Inspectors in the department. He was the Fire Marshal and this researcher was a Captain on shift then. At that time we were consistently accomplishing between three and six company fire prevention inspections per month per station. There was minimal training for the staff conducting these inspections. The occupants of these businesses were therefore frustrated at times with the quality and application of the codes in regards to these inspections.

In 1996 the current Fire Chief and the former Fire Chief switched jobs with the former Fire Chief once again becoming the Fire Marshal, a position he had a long tenure in prior to his appointment as the Fire Chief in 1991. At this time the Eureka Fire Protection District also hired a full time fire inspector. In this arrangement the company fire prevention inspections came to an end. The Eureka Fire Protection District since 1996 has not conducted company fire prevention inspections.

Staff turnover (an average of two full time staff per year), increased training and public relations commitments and other workload requirements have all contributed to the low priority placed on conducting company fire prevention inspections. Recently the full time staff has become increasingly vocal in their interest in some sort of familiarization program for commercial structures and high life hazard occupancies. This applied research project is a method to discern various activities that are being accomplished in company fire prevention inspections and also to identify new types of company fire prevention activities that are less adversarial than inspections.

This research project submitted following the December 8 through 19, 2003 Leading Community Risk Reduction course at the National Fire Academy relates to Unit 2 Assessing Community Risk and Unit 4 Intervention Strategies portions of the course. By providing recommendations to improve the familiarization and knowledge of the staff of the Eureka Fire Protection District this research project directly relates to the operational directives of the United States Fire Administration in that it will “reduce the loss of life from fire of firefighters” (Executive Fire Officer Program Applied Research Guidelines p II-2) and the increased opportunity to provide additional guidance, education, and a less adversarial approach to fire prevention for commercial and high life hazard occupancies will address the directive “to promote within communities a comprehensive, multi-hazard risk reduction plan led by the fire service organization.” (Executive Fire Officer Program Applied Research Guidelines p II-2)

## Literature Review

Performance of the literature review allowed the author extensive background information compiled from applied research projects, books, and electronic media. The review began at the Learning Resource Center at the National Fire Academy and also included Internet resources, the St. Louis Community College Library, Forest Park Campus the library at the Eureka Fire Protection District Training Center, and the researcher's personal library.

Research question number one asks: What types of activities occur during company fire prevention visits to commercial and high life hazard occupancies? Robertson (2000) states that "many cities assign fire suppression companies to conduct code enforcement inspections. Training must be provided to participating fire company personnel." (p. 61). He also outlines several factors that should be adhered to while conducting a successful fire prevention inspection. The first is that the inspector should be well prepared (p. 70). Preparation for the inspection should include a "thorough knowledge of the local fire safety code, as well as other relevant municipal or state codes that might apply" (p.70). Time requirements should be such that there would be sufficient time to conduct the inspection (p.71). In preparing for the inspection the frequency should be considered based on staff availability and hazards associated with the occupancy (p.71). The inspector should familiarize themselves with reports of previous inspections so that efforts on the part of the occupant in correcting deficiencies can be confirmed (p.72). Robertson (2000) continues that in preparation the inspector should present themselves in the most professional possible manner of dress (p.72). The inspector should also be prepared to make notes of the findings of the inspection either written or electronic (p.72). Once the preparation is complete the inspector should, upon arrival at the occupancy, identify himself and ask for permission to inspect the premises (p.73). Permission should be obtained from a duly

authorized person representing the occupancy (p.74). The inspection tour should encompass all areas of the facility in a systematic approach (p.74). During the tour special considerations should include exposures, potential fire hazards, potential causes of fire, potential for spread of fire, water supplies and any extinguishing systems, and life safety features of the facility (p.74-78). A discussion of the findings and an exit interview should be part of the communication with the authorized representative for the occupancy (p.79). The report of inspection should be appropriately documented and filed with notations on violations and the need for re-inspection (p.80).

IFSTA (1998) in chapter one states that “In many jurisdictions, basic inspections are performed by fire companies.” (p. 5). Inspections include preparing for an inspection, conducting the inspection including taking photographs and using checklists, conducting a closing interview, creating drawings, and finally submitting a written report (p. 29-36).

Mullins (2003) states that in his department engine companies were limited to performing inspections on commercial buildings of less than ten thousand square feet. Fire Inspectors covered the other buildings (p. 6)

Research question two asks: What are the benefits to firefighting personnel in doing fire prevention visits to commercial and high life hazard occupancies?

Robertson (2000) states that “The firefighter gains knowledge that is helpful in fire suppression duties. In conducting fire inspections and prefire planning surveys, the firefighter has an opportunity to learn about conditions in the buildings in the community before a fire occurs. This information can be of great help when entering a building during a fire emergency.” (p. 56). He continues that by using suppression personnel in a fire prevention setting preconceived stereotypical depictions of the firefighter waiting at the station for a call can be

reduced or changed (p. 57). This will benefit the firefighters by enhancing the public perception of the fire department when the time comes to ask for increased funding for staff or equipment (p.58).

IFSTA (1998) defines pre-fire planning as “advance planning of firefighting operations at a particular location, taking into account all factors that will influence firefighting tactics” (p. 452).

Feeney (2003) reported that exposure to commercial properties will benefit the firefighters doing inspections; he also stated that issues such as firefighter safety and familiarity with buildings in the firefighters district would be enhanced. Other benefits are increased productivity and an enhanced public image. (p. 21)

Mullins (2003) recorded that pre-fire inspections not only correct potential fire hazards and enforce code compliance they also can gain valuable information on the buildings that are inspected (p. 11)

Morgenthaler (1998) describes that the members of his department are excited about the implementation of a program of company fire prevention inspections. They overwhelmingly look forward to the educational opportunity as well as the prefire planning opportunities that the proposed program will offer (p. 15)

Reece Jr. (1998) describes that many firefighters conducting fire prevention inspections in the Appleton Fire Department learn valuable information about building construction, hazards, and pre-incident tactics (p. 18)

Research question number three asks: What are the disadvantages to firefighting personnel in doing fire prevention visits to commercial and high life hazard occupancies? In his book Robertson (2000) clearly emphasizes that “Prefire planning surveys and fire prevention

inspections are devised for two different purposes, and combining the two into one inspection may place the property owner in a rather difficult position.” (p. 61). “If the same firefighters are assigned to carry out both responsibilities at the same time, there is a possibility that the two undertakings will conflict with each other.” (p. 61).

IFSTA (1998) states that “fire inspectors may be held liable for ministerial actions” (p. 7-8). IFSTA (1998) also states that “Frequently, fire inspectors will be confronted by code issues or conditions in an occupancy that are beyond their level of expertise.” (p. 9)

A disadvantage in fire suppression companies conducting fire prevention inspections in the State of Florida is the significant amount of training and certification required by statute. While many departments are struggling to maintain required training in emergency response areas they cannot afford to provide the time or financial support to continue this type of inspection program (Mullins, 2003, p. 16)

In proposing a company fire inspection program in Castle Rock, Colorado the department will have to provide initial training and further annual proficiency training to the level of the International Fire Code Institute’s Company Officer Fire Code Inspector certification. The time and budget to accomplish this will have to be determined (Morgenthaler, 1998, p. 18).

Time allotted and educational requirements were identified by the firefighters in the Appleton Fire Department as areas that they would like to see improvement (Reece Jr., 1998, p. 18-19).

Camp (1999) recommends that additional fire prevention training for firefighters along with advanced level training for company officers is essential in keeping the company fire inspection program successful (p. 28)

In 1994 the Murray City Fire Department implemented a self inspection program so that business owners in light or low hazard occupancies could complete an extensive checklist and return it to the fire department. This allowed engine company inspections to be focused on more hazardous occupancies reducing the workload on the engine companies (Camp, 1999, p. 8)

Research question number four asks: What are the benefits to occupants and owners in company personnel doing fire prevention visits to commercial and high life hazard occupancies?

Robertson (2000) cites a study conducted by The Urban Institute, the National Fire Protection Association, the National Science Foundation, and the US Fire Administration. One of the conclusions was that “cities that use fire suppression companies for a large share of their regular fire code inspections have substantially lower fire rates than cities that use full time fire inspectors exclusively” (p. 219). He states that “another result of public contacts by fire service personnel in fire prevention duties, especially if they are favorable in nature, is that, as citizens become more aware of the hazards of fire and gain confidence in the fire service they could well be encouraged to call the fire department without delay” (p. 57).

Feeney (2003) notes that “By preventing incidents which could mean lost productivity to the local business community, the public attitude toward the fire service and an inspection program can be greatly enhanced.” (p. 21)

Mullins (2003) states that company inspections can help reduce the community’s fire insurance cost because of the points awarded to the fire department for company’s performing pre-fire inspections of many commercial structures within the department’s response area (p. 12)

“In the current times of fiscal restraints, the fire service must strive to be effective, cost efficient and productive.” (Reece Jr., 1998, p. 17)

Research question number five asks: What are the disadvantages to occupants and owners in company personnel doing fire prevention visits to commercial and high life hazard occupancies?

Robertson (2000) explains that “The property owner may be required to spend a great deal of money to comply with fire inspection requirements.” (p. 80). In-service company inspections may not meet criteria for inspections as Robertson (2000) details in the section on preparation for performing the fire prevention inspection where he states “Under no conditions should an inspection be undertaken when the inspector is pressed for time and is thus unable to make a thorough inspection.” (p. 71).

A self inspection program that replaced company in service inspections in Gwinnett County, Georgia has successfully responded to public pressure to reduce the involvement of the fire department in business and personal activities. In the Arvada Fire District in Colorado another self inspection program demonstrated high quality results as opposed to in service company fire inspections (McGee, 1997, p. 13-14)

The information reviewed for research question number one suggested that most departments are conducting standard fire prevention inspection utilizing suppression resources with the requisite record review, permission to inspect, a walkthrough of the facility, an exit interview with the escort, and an inspection report. Some departments also limit the types and sizes of facilities that are inspected by company personnel. In the research for question number two it is noted that these company fire inspections also frequently included prefire planning activities that included suppression personnel familiarization, information on building construction and features, automatic suppression and detection systems, water supply and firefighting access. Due to increased opportunities for personnel to interact with the public the



perception of firefighters may also be enhanced. One researcher outlined that there was an educational benefit to the firefighters due to increased training requirements and a change in attitudes when the inspections are accomplished. Overall the firefighter benefits are increased familiarity with structures, enhanced knowledge about building construction and features, and a further understanding of fire protection systems. These benefits also provide for enhanced firefighter safety during firefighting operations. A further benefit is that the increased visibility and interaction with the public produces attitude changes that may further benefit the fire department when they request an increase in funding or resources. Disadvantages to firefighting personnel outlined in the reviews for research question number three ranges from performing the multiple tasks of inspection and pre-fire planning undertaken during the inspection instead of focusing on just the inspection. There are also statutory requirements for training of personnel assigned to do inspection activities in many departments and locales. This additional training has caused a reduction in the inspection activities in many departments. Several departments found that increasing emergency responses have curtailed the time available to provide a quality in service inspection program. In one department the number of inspections were reduced by implementation of a self inspection program. When reviewing information for research question number four it was noted that materials consistently remarked that the reduction in fire hazards and actual fires due to increased company inspections provided a safety effect that minimizes lost production to the business community. The public image is also enhanced when the public interacts in a positive manner with in service suppression crews. Another benefit is realized when organizations like the Insurance Services Office award fire department ratings that improve the occupant's insurance rate thus saving the occupant money on their insurance premiums. Summarizing the information reviewed for research question number five shows that there may

be consequences both financial and legal if the company inspections reveal serious violations. The business owners may also be negatively impacted if the in service inspections are inadequate or of poor quality. In fact in certain localities in service company inspections have been replaced with business self inspections with equivalent results in identifying hazards and violations.

### Procedures

This research project was initiated by reviewing relevant literature on activities conducted by fire departments during suppression company fire prevention inspections. This review was conducted by utilizing the Learning Resource Center Online Card Catalogue at the National Fire Academy to request and download relevant applied research projects and books. This search of the card catalogue was accomplished by searching for the keywords inspection, company inspection, in service inspection, and fire prevention and subsequently downloading or requesting through interlibrary loan information that had been published after 1996. A listing of materials requested is attached as Appendix A. Additionally this researcher requested several Executive Fire Officer Applied Research Projects from the authors that were not available from the Learning Resource Center. This list is attached as Appendix B

The researcher also developed two survey instruments; the first questioned the Eureka Fire Protection District business owners listed in the 2004 Eureka Chamber of Commerce Directory. The survey is attached as Appendix C and the list of businesses that were sent the survey is attached as Appendix D. There were 333 surveys mailed to these occupancies and 103 (31 percent) were returned.

The second survey was mailed to the Fire Chief's or Fire Marshals of the member departments of the Greater St. Louis Region Fire Chief's Association. There were 48 surveys

mailed out and 35 (73 percent) were returned. The survey instrument is attached as Appendix E and the Greater St. Louis Region Fire Chief's Association mailing list is attached as Appendix F.

Recognized limitations for this effort included the timeliness of the majority of the literature was at least three years old. A variety of the literature that was available was significantly dated with the oldest that was accessed published in 1981. The fire department survey was limited to departments that were members of the Greater St. Louis Region Fire Chief's Association. Another limitation was the use of the Eureka Chamber of Commerce mailing list instead of the Eureka Fire Protection District Occupancy Inspection listing. The assumption that the Chamber of Commerce listing was more comprehensive was based on the researcher's personal involvement with the computer software used by the EFPD. A limitation that was also noted was a fault of the fire department survey instrument that failed to determine how many engine companies per department were conducting fire prevention inspections as opposed to the number of engine company fire prevention inspections conducted by department.

#### *Definition of Terms*

**Company:** A task related functional unit of fire suppression or emergency medical service personnel.

**In Service:** Fire suppression or emergency medical service companies available for emergency call.

**Self Inspection:** A fire safety inspection of a facility that is conducted by the building occupant without fire department personnel present.

#### **Results**

In reviewing the literature for research question number one several activities conducted during in service fire prevention inspections were described as a review of previous

inspection records prior to the inspections, gaining permission to conduct the inspection, the facility walkthrough looking for life safety, fire hazards and other hazards, operability of installed fire detection and suppression systems, building construction features, fire department access, adherence to code requirements, and educational information for the business owners.

The information revealed in the literature review for research question number two was generally based on the familiarization of the occupancies inspected by suppression personnel. The benefits for the firefighters in preplan activities enhance the safety of the firefighters during fire suppression activities at the previously inspected facilities. There is some evidence that the public image of the firefighters is also improved due to the company fire inspection. This improved public image is beneficial when the fire department has to justify to the taxpayers the need to increase finances and procure additional resources.

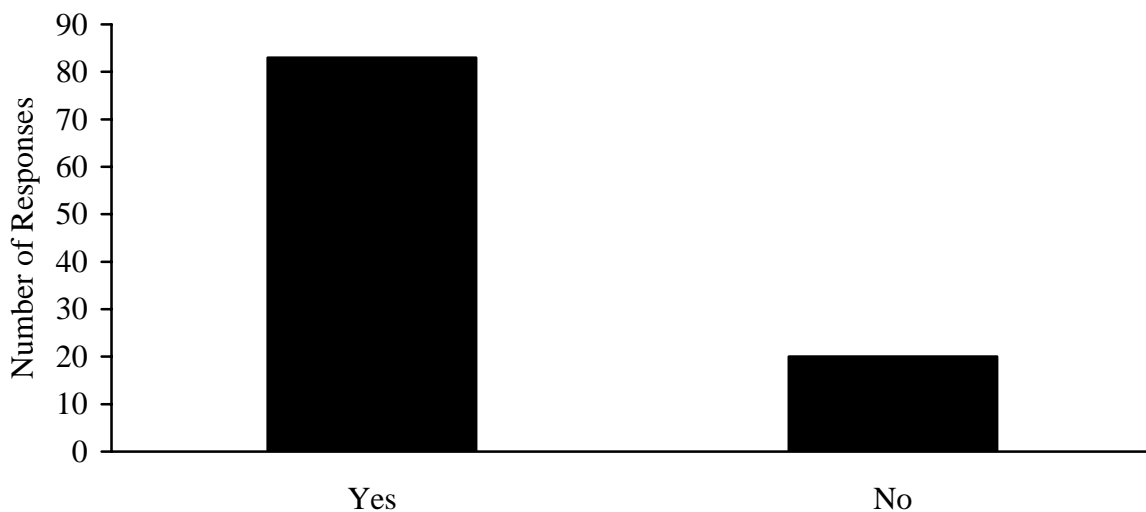
Question number three information concludes that the biggest disadvantage to firefighters performing company fire prevention inspections is that time constraints and training requirements may cause the fire suppression personnel to minimize their inspection activities or reduce the overall quality of the inspections.

The benefits to business owners in the literature referring to answering research question number four provides that any increase in the fire department's interaction with the business owner reduces the chance of having a disabling fire. The research shows that fire rates and losses are reduced when fire suppression personnel conduct in service fire prevention inspections. This lowering of the fire insurance rate is also financially beneficial to the building owner.

Research question number five is answered in the literature describing disadvantages for the business owner in fire company inspections. The literature states that a major

disadvantage can be that the business owner may have a considerable expense in correcting violations and hazards that were noted during an in service fire prevention inspection. Another disadvantage may be that in service fire suppression companies are still available for emergency call and may not have the time for an in service inspection causing an inconvenience for the business owner. Business owners in various localities have also implemented a self inspection program that minimizes the disruption and intrusion from fire department personnel and has proven to be equivalent to in service inspections in finding violations and hazards.

The survey instrument that was sent to business owners (Appendix C) based on the Eureka Chamber of Commerce 2004 Business Directory results follow. Out of 333 surveys mailed 103 (31 percent) surveys were returned. In answering the first survey question: “Does the Eureka Fire Protection District conduct fire prevention inspections at your business location?” 83 (81 percent) of the responses were yes and 20 (19 percent) were no. (Figure 1)

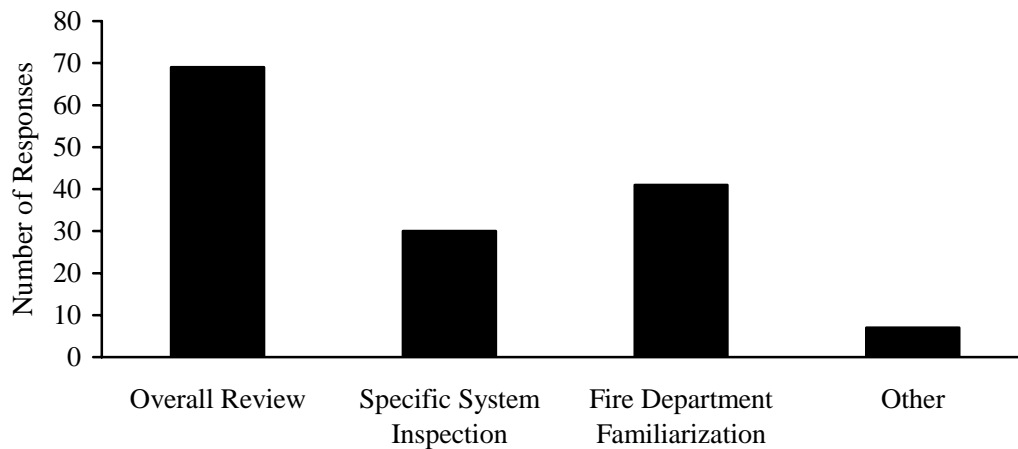


*Figure 1* Business survey responses to question one. (s=103)

The second question on the business survey had the possibility of multiple answers and asked: What do you feel are important of the fire prevention inspection? 69 responded that the

overall fire safety review of the facility was important, 30 responded that specific inspection of fire protection systems and features was important, 41 felt that a fire department familiarization of the facility was important and seven others wrote in other important points of the inspection.

(Figure 2)



*Figure 2* Business survey responses to question two. (s=103)

Business survey question three asked: “Would you be comfortable with using a self inspection checklist prior to a familiarization walkthrough by a small group of on duty firefighters or would you prefer a fire inspector conduct a fire prevention inspection?” of the 72 responses 22 (31 percent) preferred a self inspection and 50 (69 percent) preferred a traditional fire inspection. (Figure 3)

Answers to business survey question number four: “If you could change any part of the fire prevention inspection what would you change?” the 22 responses were in write in form. Of the 22 responses nine were strictly complimentary and five requested some form of self inspection checklist in reference to survey question number three. Four of the responses requested a scheduled inspection as the only change they would make. The individual comments included “aid us in requests to the landlord to have repairs made” and “I think they should truly

inspect the building. As it is now they just go through the motions.” also “We have not had an inspection since we purchased the business since September 2003.”

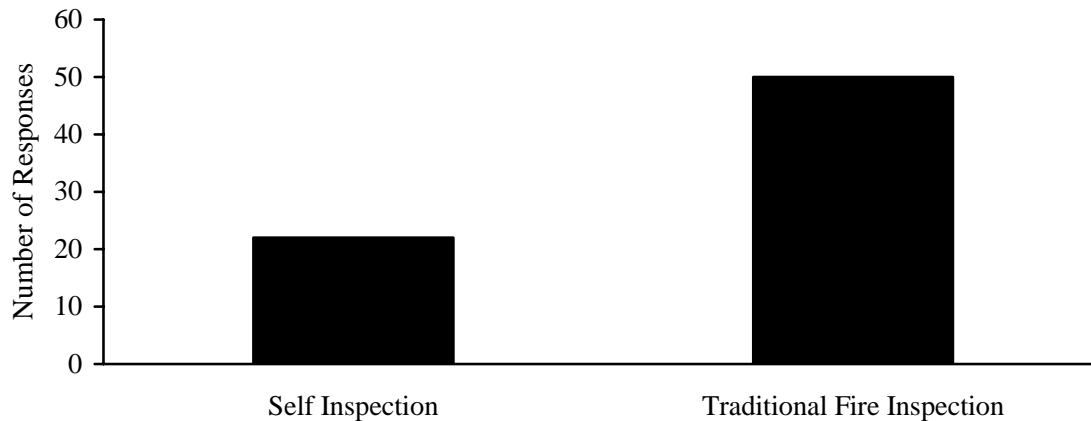


Figure 3 Business survey responses to question three. (s=72)

Business survey question number five asked: “Do you feel that the Fire Prevention Inspection is an imposition or a valuable tool to reduce risks from fire and other causes?” of the 78 responses four (five percent) felt that the inspections were and imposition and 74 (95 percent) felt that the inspection was a valuable tool. (Figure 4)

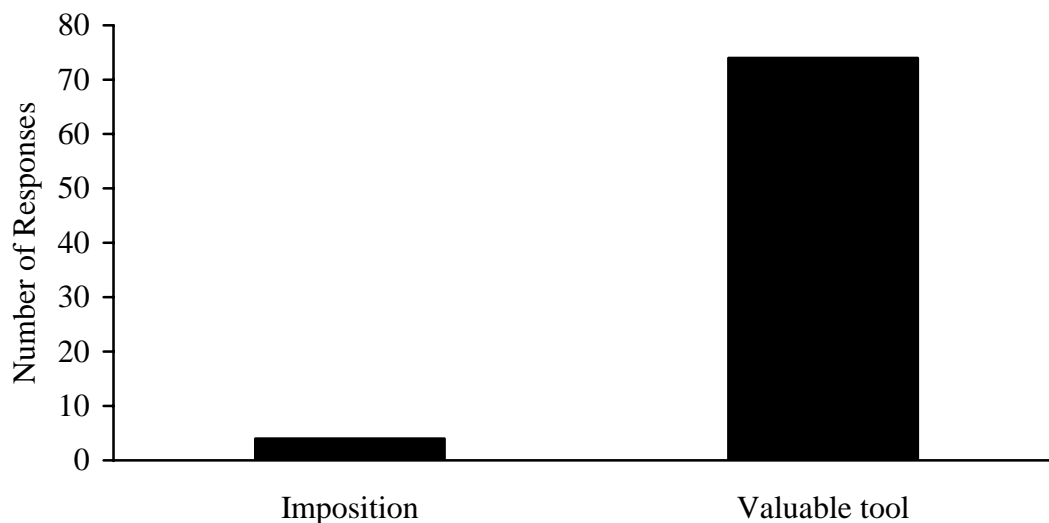
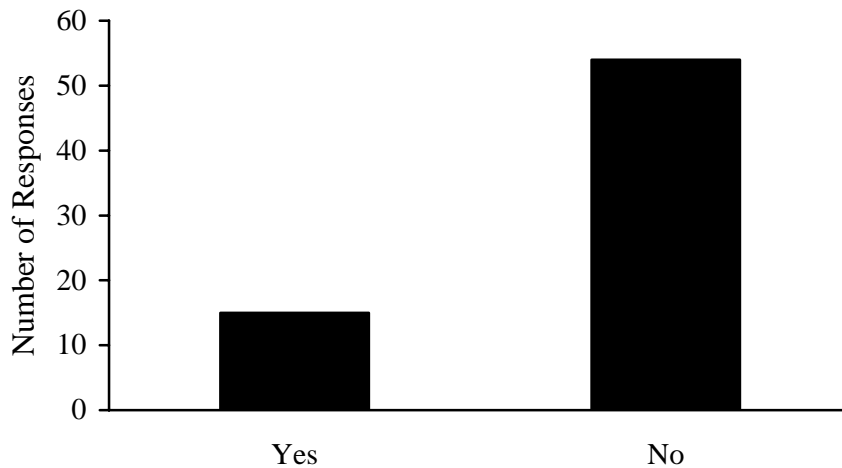


Figure 4 Business survey responses to question four. (s=78)

In answering business survey question number six: “Are you required by laws or regulations other than the ordinances of the Eureka Fire Protection District to have the fire department conduct Fire Prevention Inspections?” 15 (22 percent) out of 69 responded no and 54 (78 percent) responded yes. (Figure 5)



*Figure 5* Business survey responses to question five. (s=69)

The results from the 35 (78 percent) returned of the 48 fire department surveys (Appendix E) follow.

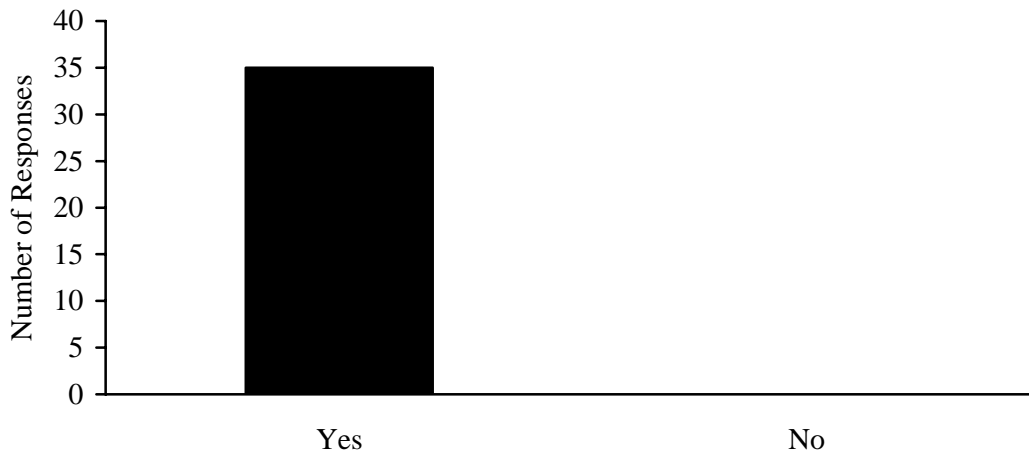
#### *Summary*

Question number one asked: “Does your fire department conduct fire prevention inspections in commercial and high life hazard occupancies?” all 35 (100 percent) of the surveys that were returned answered yes. (Figure 6)

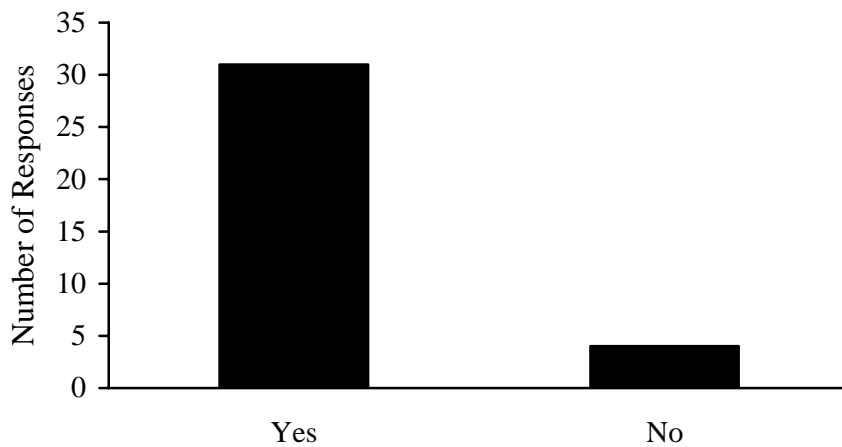
The second question on the fire department survey asked: “Does your fire department conduct engine company fire prevention inspections in commercial and high life hazard occupancies?” of the 35 responses 31 (89 percent) answered yes and four (11 percent) answered no. (Figure 7)



Results from the third question of the fire department survey that asked: “Do you provide fire prevention inspection training for the staff that conducts engine company fire prevention inspections in commercial and high life hazard occupancies?” showed that 29 (83 percent) answered yes and five (14 percent) answered no. (Figure 8)



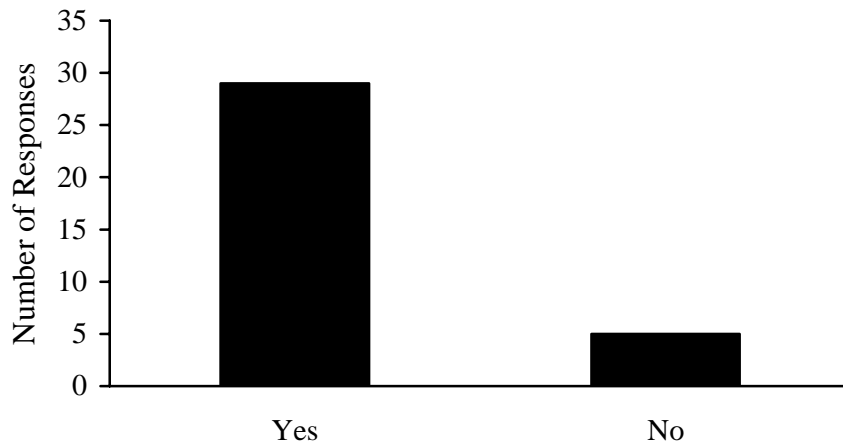
*Figure 6* Fire department survey question one. (s=35)



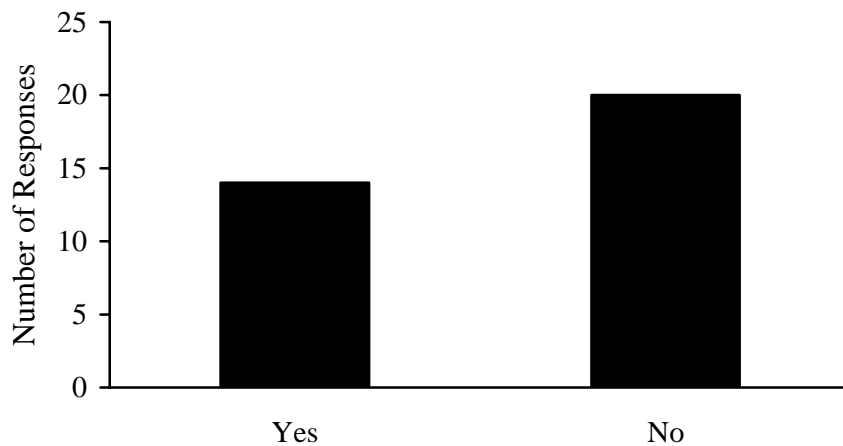
*Figure 7* Fire department survey question two. (s=35)

Fire department survey question number four asked: “Are the engine company fire prevention inspections in commercial and high life hazard occupancies the only inspection

conducted for those buildings?” The responses revealed that 14 (40 percent) answered yes and 20 (57 percent) answered no. (Figure 9)



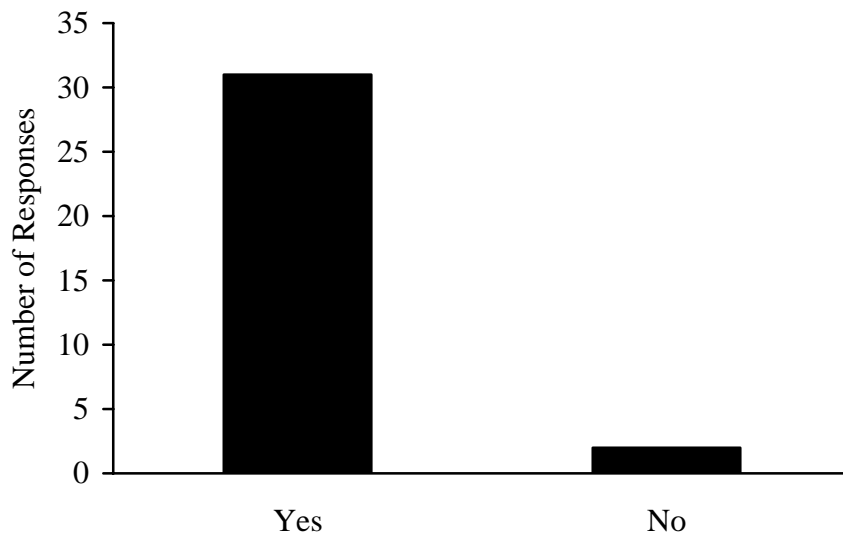
*Figure 8* Fire department survey question three. (s=35)



*Figure 9* Fire department survey question four. (s=35)

Question number five on the fire department survey asked: “If the engine company fire prevention inspection reveals any violations is there a follow up inspection provided by a member of the fire prevention bureau?” The responses were 31 (89 percent) yes and two (six

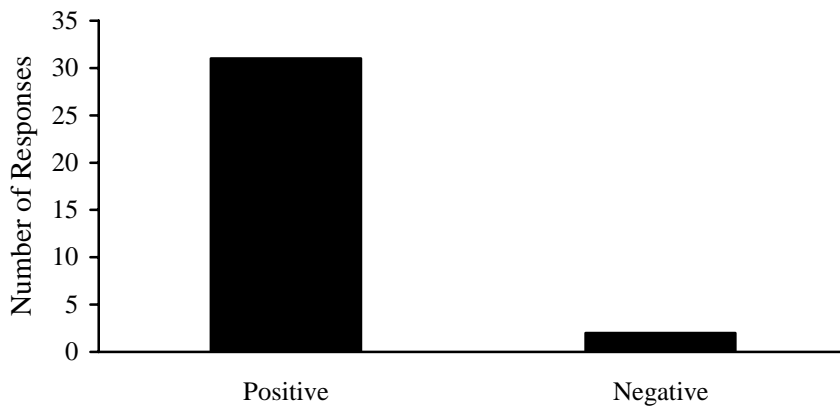
percent) no. (Figure 10)



*Figure 10* Fire department survey question five. (s=35)

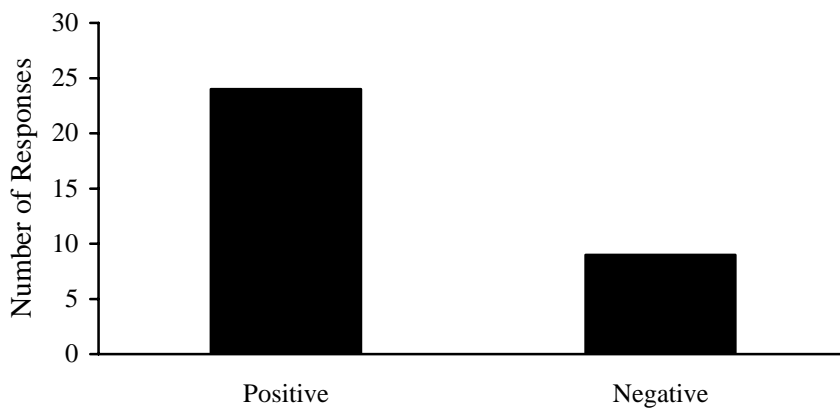
Responses for fire department survey question number six which asked the departments to provide a number of engine company fire prevention inspections for various intervals. After tabulation all provided quantities were converted to an annual number for ease of comparison. There were 27 (77 percent) responses that indicated engine companies conducted fire prevention inspections. The minimum number of inspections that were indicated was ten per year and the maximum was 4000. The average number of engine company fire prevention inspections annually per department that responded that they conducted these inspections was 670.

Question number seven of the fire department survey that asked: “Please rate your overall idea of the reception by the business owners to your inspection program?” revealed that 34 (97 percent) of the responses were positive and one (three percent) was negative. (Figure 11)



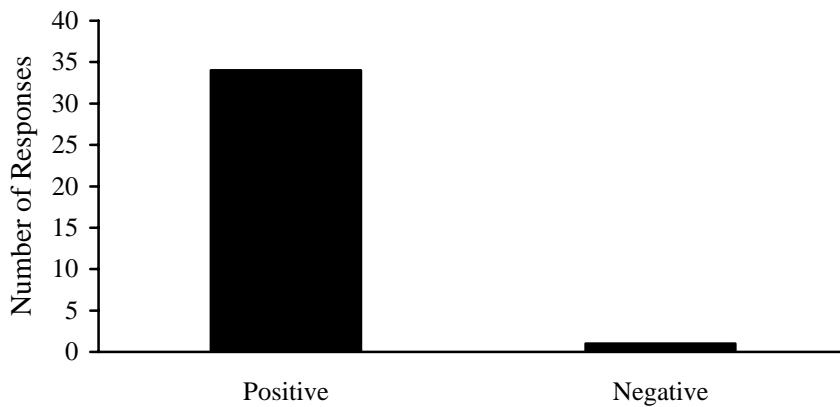
*Figure 11* Fire department survey question seven. (s=35)

Responses for fire department survey question number eight that asked: “Please rate your overall idea of the reception by your staff to your inspection program?” showed that 24 (69 percent) were positive and nine (26 percent) were negative. (Figure 12)



*Figure 12* Fire department survey question eight. (s=35)

When the results for fire department survey question number nine that asked: “Overall do you consider your inspection program a public relations positive or a negative?” were reviewed they showed that 34 (97 percent) of the Fire Chiefs or Fire Marshals responded positively and one (three percent) responded negatively. (Figure 13)



*Figure 13* Fire department survey question nine. (s=35)

The last fire department survey question was a write in open comment question and the comments that were noted included “Engine companies should not do fire prevention inspections. This component of a comprehensive life safety program should be conducted by well trained professional fire inspectors.” and “Engine companies only do follow up inspections.” also “Each crew is assigned an area to inspect with an inspection season of late May to September 30<sup>th</sup> each year.” Further comments included; “Inspections done by engine companies are not done under ideal conditions.” and “I believe engine companies do not provide an effective inspection.” Finally one responded “Overall fire prevention inspections are accepted well by business owners; however the biggest complaint I get is that there are inconsistencies from inspection to inspection due to different inspectors.”

### Discussion

It is evident from a majority of the literature reviewed that in service company fire prevention inspections play a vital role in a comprehensive fire prevention program. The activities described in the literature review for research question number one are consistent for standard fire prevention inspections throughout the fire service. Robertson (2000) outlines a

variety of tasks that should be included in the fire prevention inspection; including a review of the previous inspections reports, permission to inspect the facility, a systematic walk-through of the entire facility focusing on life safety features, fire hazards, potential for causes of fires, potential for fire spread and installed suppression and detection systems, an exit interview and a concise complete inspection report (p.74-78). Mullins (2003) says that his department limits the occupancies that in service companies are allowed to inspect (p. 6). In the fire department survey 89 percent of the responding departments conduct engine company fire prevention inspections in their jurisdictions. One of the main reasons this researcher chose this subject was an observation on the lack of fire inspections for occupancies in the Eureka Fire Protection District. Based on the study information this researcher agrees that a comprehensive fire prevention program should also include a quality fire prevention inspection program.

Significant benefits to firefighting personnel completing in service fire prevention inspections were outlined in the literature reviewed to answer research question number two. Robertson (2000) says that firefighters gain knowledge that is helpful in firefighting activities if the building catches fire (p.56). Feeney (2003) remarks that firefighter safety will be greatly enhanced when firefighters are given the opportunity to familiarize themselves with commercial structures during fire prevention inspection or pre fire plan activities (p. 21). Mullins (2003) also states that there is a two sided benefit in that fire prevention inspections reduce the likelihood of fires by eliminating hazards and familiarity with occupancies also improves firefighter safety and effectiveness (p. 11). The fire department survey question number eight showed that 69 percent of the departments that responded had a positive rating from the firefighters that conducted in service fire prevention inspections. This researcher also felt that getting the suppression firefighters would be a great benefit if and when they had to combat a fire in the inspected

occupancies. The staff of the Eureka Fire Protection District presently has very little familiarity with the commercial and high life hazard occupancies as they do not conduct company fire prevention inspections.

IFSTA (1998) says that a drawback to company personnel conducting fire prevention inspections is that there may be occasions that they will be confronted with code enforcement situations that are beyond their level of training or expertise (p.9). In certain states such as Florida there are statutory requirements for training of any personnel that conduct fire prevention inspections. This significant amount of training with limited budgets may force decisions on the most productive training resources and may force the reduction of in service company inspections (Mullins, 2003, p. 16). Additional fire prevention training and even advanced level training for company officers is necessary to keep a company fire inspection program successful notes Camp (1999, p.28). The ever increasing workload of emergency response personnel has caused the implementation of a self inspection program for low risk occupancies in the Murray City Fire Department Response area (Camp, 1999, p.8). The fire department survey question number eight showed that responding departments had a negative response by their staff to the company fire prevention inspection program of 26 percent. Between increasing overall training requirements, increased demands for emergency and public service responses and general reduction in time available for all activities, there are some disadvantages to in service company fire service inspections. This is the main reason for the elimination of the program in the Eureka Fire Protection District. This researcher is interested in the self inspection program outlined in the literature as it reduces the need for certified inspectors on the engine companies yet the hazard reduction portion of the fire prevention program still is accomplished. A combination of

self inspection by reduced risk occupancies followed by a non inspection visit by an in service suppression company for familiarization may be more palatable for all involved.

Owners and occupants certainly benefit from in service fire prevention inspections due to the reduction in fires and other hazards described by Robertson (2000, p. 219). Feeney (2003) states that preventing fire incidents that could cause lost productivity is a benefit for owners and occupants derived from company fire prevention inspections (p.21). The reduction in insurance rates related to credit awarded for company fire inspections by insurance rating agencies is a direct cost benefit to business owners. (Mullins, 2003, p. 12). The responses to question number five in the business survey generated a 95 percent answer that the responding business owners felt that fire prevention inspections were a valuable tool to reduce risks from fires and other causes. This researcher concurs with the literature and survey that fire prevention inspections in whatever format are valuable in reducing loss from fire and other hazards that are commonly identified during these inspections. The businesses within the Eureka Fire Protection District would also benefit with increased opportunities for fire department interaction with the businesses to demonstrate that their hard earned tax dollars are being judiciously spent.

Businesses can have negative effects from company fire prevention inspections. As Robertson (2000) states there may be a significant cost to correct fire hazards and violations noted during these inspections (p. 80). Owners may find that in service company fire prevention inspections may be interrupted due to the need to respond to an emergency. Robertson (2000) says that no fire inspection should be curtailed once it has been started because it increases the imposition on the owner (p.71). Business owners in Gwinnett County, Georgia provided enough pressure that a self inspection program for low hazard occupancies has replaced the company fire inspection program with comparable results in fire hazard reduction and recognition (McGee,



1997, p. 13-14). In answering business survey question number four some respondents requested that all inspections be pre-scheduled and several stated that they would appreciate some form of self inspection checklist. This researcher agrees that at times the fire inspection process is adversarial and there are certainly reasons to minimize the negative impression that a fire inspection may cause. Due to the overwhelming support shown to the Eureka Fire Protection District by the citizens and businesses in a recent bond issue tax levy election that passed with a 74 percent approval rating any method to reduce the risk from fire and other hazards and bolster the public impression of the fire district certainly should be researched and implemented.

### Recommendations

This study clearly demonstrates that comprehensive fire prevention programs benefit from in service company fire prevention inspections. Significant benefits also are derived by the firefighting personnel that conduct in service fire prevention inspections. There is also evidence that other methods of fire prevention inspections have also proven to be effective in the discovery of fire hazards without the use of in service personnel for inspections. The study also showed that most departments in the Greater St. Louis Region Fire Chief's Association use in service personnel to conduct fire prevention inspections.

Based on this study this researcher will recommend to the Chief of the Eureka Fire Protection District that a program of self inspections for low hazard occupancies, generally ones that are inspected annually at this time, be instituted followed by a fire prevention familiarization visit within 30 days by an in service company to review the inspection checklist with the occupant and to conduct a walkthrough familiarization visit for pre fire planning purposes. This

will address the problem of the familiarity of the suppression staff's familiarity with commercial and high life hazard occupancies with a less adversarial interaction with the business owners.

## References

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## Appendix A

## List of Materials Requested From the Learning Resource Center

|  |                  |           |       |   |      |
|--|------------------|-----------|-------|---|------|
| Self Inspection as an alternative fire prevention model                                | McGee            | EFO Paper | 26782 | Y | 1996 |
| Quality Service through Customer Oriented engine Co Inspections                        | Olson            | EFO Paper | 27201 | Y | 1996 |
| Fire prevention response a workplace priority  | Campbell         | Journal   |       | Y | 1996 |
| Aggressive code enforcement pays off   | Kerrigan         | Journal   |       | Y | 1996 |
| The basics of Fire Inspections   | Murphy           | Journal   |       | Y | 1996 |
| Perceptual barriers of Providence FF for Career Opp in Fire Prevention                 | Costa            | EFO Paper | 27665 | Y | 1997 |
| Evaluation of dual certification in Broward county                                     | Westbrook        | EFO Paper | 27368 | Y | 1997 |
| Fire Prevention Code Enforcement a study in Community Risk Reduction                   | Wilbur           | EFO Paper | 27667 | Y | 1997 |
| A better way to manage company inspections   | Donner           | Journal   |       | Y | 1997 |
| Proactive suppression through prevention and education                                 | Jones            | Journal   |       | Y | 1997 |
| Proactive Protectors   | Cade             | Journal   |       | Y | 1998 |
| Anatomy of an inspection   | Young            | Journal   |       | Y | 1998 |
| The fire safety management handbook  | Della - Giustina | Book      |       | Y | 1999 |
| Fight significant many with focused fire prevention                                    | Coleman          | Journal   |       | Y | 1999 |
| So you have to inspect a movie theater   | Corbett          | Journal   |       | Y | 1999 |
| Fire risk assessment a range of assessment techniques                                  | Marchant         | Journal   |       | Y | 1999 |
| Criteria for a modern inspection program   | Thorson          | EFO Paper | 23590 | Y | 2000 |
| Developing a company inspection program  | DeLane           | EFO Paper | 33257 | Y | 2001 |
| Implementing a company inspection program for assembly occupancies                     | Dmuchowski       | EFO Paper | 32909 | Y | 2001 |
| Criteria for selecting program guidelines of engine and medic company fire inspections | Gillette         | EFO Paper | 15843 | Y | 2001 |
| Company inspection program for the Idaho Falls Fire Department                         | Johnson          | EFO Paper | 33147 | Y | 2001 |
| Evaluating the Boca Raton FRS standard for Fire Prevention Inspections                 | Johnson          | EFO Paper | 33256 | Y | 2001 |
| Analyzing and evaluating a fire departments inspection program                         | Ott              | EFO Paper | 32011 | Y | 2001 |
| Goshen Fire District Considerations to the self inspection program                     | Wood             | EFO Paper | 31665 | Y | 2001 |
| Self Inspection Pre-Fire Planning program  | Scheerer         | EFO Paper | 32656 | Y | 2001 |
| Soliciting Customer Feedback   | Waters           | EFO Paper | 34810 | Y | 2002 |
| Financial impact of pre-fire planning using self inspections                           | Scheerer         | EFO Paper | 34710 | Y | 2002 |
| Efficiency of fire inspections conducted by fire companies                             | Bradley          | EFO Paper | 35881 | Y | 2003 |
| The use of fire suppression personnel to conduct fire code inspections                 | Werner           | EFO Paper | 33484 | Y | 2003 |
| Constance Vigilance  | Comeau           | Journal   |       | Y | 2003 |

## Appendix B

|  |              |              |  |   |      |
|--|--------------|--------------|--|---|------|
| Company Level Fire Prevention Inspections  | Morgenthaler | EFO Abstract |  | N | 1998 |
| Fire prevention and building inspection cross training                                     | Brandvold    | EFO Abstract |  | N | 1999 |
| Consolidation of Inspection Services   | Ezekiel      | EFO Abstract |  | N | 2000 |
| Implementing an engine company safety survey program                                       | Dishner      | EFO Abstract |  | N | 2001 |
| The development of a comprehensive pre-fire planning program                               | Krug         | EFO Abstract |  | N | 2001 |
| Company Fire Inspections evaluating an annual inspection program                           | Gill-Mulson  | EFO Abstract |  | N | 2002 |
| Implementation of a company based fire inspection program                                  | Wilson       | EFO Abstract |  | N | 2002 |
| Required Inspection are Company Officers a viable alternative                              | Robinson     | EFO Abstract |  | N | 2002 |
| Analyzing the necessity of fire code inspections after business hours                      | Stephan      | EFO Abstract |  | N | 2002 |
| Development and implementation of an in service fire inspection program                    | Feeney       | EFO Abstract |  | N | 2003 |
| In Service Company Inspection Is There Enough Time In The Day                              | Mullins      | EFO Abstract |  | N | 2003 |
| Community Risk Reduction evaluating and implementing a program in a historical environment | Gill-Mulson  | EFO Abstract |  | N | 2003 |

## Appendix C



### Business Questionnaire

1. Does the Eureka Fire Protection District conduct Fire Prevention Inspections at your business location?  
☐ Yes ☐ No  
 (If you answered no then you have completed the questionnaire. Thank You  
 Please return in the envelope provided)
  
2. What do you feel are important aspects of the fire prevention inspection?  
☐ Overall fire safety review of facility  
☐ Specific inspection of fire protection systems and features  
☐ Fire department familiarization of facility  
☐ Other  


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3. Would you be comfortable with using a self inspection checklist prior to a familiarization walkthrough by a small group of on duty firefighters or would you prefer a fire inspector conduct a fire prevention inspection?  
☐ Self Inspection Checklist with Familiarization Visit  
☐ Traditional Fire Prevention Inspection
  
4. If you could change any part of the Fire Prevention Inspection what would you change?  


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5. Do you feel that the Fire Prevention Inspection is an imposition or a valuable tool to reduce risks from fire and other causes?  
☐ Imposition ☐ Valuable
  
6. Are you required by laws or regulations other than the ordinances of the Eureka Fire Protection District to have the fire department conduct Fire Prevention Inspections?  
☐ Yes ☐ No

Thank you for your consideration in answering this questionnaire.  
 Please return this in the supplied self addressed and stamped envelope by April 23,  
 2004

## Appendix D

## Eureka Chamber of Commerce Business Listing

| <b>Business Name</b>            | <b>Street Address</b>          | <b>City</b> | <b>State</b> | <b>Zip Code</b> |
|---------------------------------|--------------------------------|-------------|--------------|-----------------|
| 4th St. Hairworks               | 300 W. Fourth St.              | Eureka      | MO           | 63025           |
| 66 Jewelry and Pawn             | 214 Main St.                   | Eureka      | MO           | 63025           |
| 7-11 Store                      | 1 W. Fifth St.                 | Eureka      | MO           | 63025           |
| A Touch of Elegance             | 510 N West Ave.                | Eureka      | MO           | 63025           |
| A&J Collectibles                | 19 Dreyer                      | Eureka      | MO           | 63025           |
| Aberdeen Golf Club              | 4111 Crescent Rd.              | Eureka      | MO           | 63025           |
| Accents Gifts & Decors          | 111 N. Central Ave.            | Eureka      | MO           | 63025           |
| Almost Antique                  | 19 Dreyer                      | Eureka      | MO           | 63025           |
| American Family Insurance       | 317 N. Central Ave.            | Eureka      | MO           | 63025           |
| American Family Insurance       | 6 Hilltop Village Center Dr.   | Eureka      | MO           | 63025           |
| American Realty On Line         | 300 W. Fourth St.              | Eureka      | MO           | 63025           |
| American Solutions For Business | 657 Legends View               | Eureka      | MO           | 63025           |
| American Storage                | 306 W. Fourth St.              | Eureka      | MO           | 63025           |
| API Mortgage                    | 30 W. Fourth St.               | Eureka      | MO           | 63025           |
| Applebee's                      | 198 Eureka Towne Center Dr.    | Eureka      | MO           | 63025           |
| Archie Communications           | 508 W. Fourth St.              | Eureka      | MO           | 63025           |
| Arthur G. Romero DDS            | 97 Hilltop Village Center Dr.  | Eureka      | MO           | 63025           |
| ASAP Advertising and Design     | 17464 Hilltop Ridge Dr.        | Eureka      | MO           | 63025           |
| Augustine Plumbing              | 505 Williams Dr.               | Eureka      | MO           | 63025           |
| Aunt Sadie's Antiques           | 515 N. Virginia                | Eureka      | MO           | 63025           |
| Auto Tire                       | 85 Hilltop Village Center Dr.  | Eureka      | MO           | 63025           |
| Auto Zone                       | 1443 W. Fifth St.              | Eureka      | MO           | 63025           |
| Avail Accounting & Tax          | 700 Niehoff Dr.                | Eureka      | MO           | 63025           |
| Bardsley Pool Service           | 622 Schmelz Dr.                | Eureka      | MO           | 63025           |
| Bayer Realty                    | 86 Hilltop Village Center Dr.  | Eureka      | MO           | 63025           |
| Ben Franklin                    | 101 Hilltop village Center Dr. | Eureka      | MO           | 63025           |
| Better Siding                   | 217 Weber                      | Eureka      | MO           | 63025           |
| Bird Equipment                  | 18549 Old Hwy 66               | Pacific     | MO           | 63069           |
| Blevin's Elementary             | 25 E. North St.                | Eureka      | MO           | 63025           |
| Blockbuster Video               | 156 Eureka Towne Center Dr.    | Eureka      | MO           | 63025           |
| Breckenridge Concrete           | 435 W. Main                    | Eureka      | MO           | 63025           |
| Brookdale Farms, Inc.           | 8004 Twin Rivers Rd.           | Eureka      | MO           | 63025           |
| Burger King                     | 235 W. Fifth St.               | Eureka      | MO           | 63025           |
| Bussen Quarries                 | 6800 Bussen Rd.                | Eureka      | MO           | 63025           |
| Busy Bee Stitchery              | 137 S. Central                 | Eureka      | MO           | 63025           |
| Butler & Associates             | 123 S. Central                 | Eureka      | MO           | 63025           |
| Butler Electrical               | 200 S. Central                 | Eureka      | MO           | 63025           |
| Byerly RV                       | 295 E. Fifth St.               | Eureka      | MO           | 63025           |
| Carol's Hallmark                | 157 Eureka Towne Center Dr.    | Eureka      | MO           | 63025           |

|                               |                                |        |    |       |
|-------------------------------|--------------------------------|--------|----|-------|
| Carpenter Services            | 4651 Meramec Blvd.             | Eureka | MO | 63025 |
| Cassidy Cleaners              | 21 E. Fifth St.                | Eureka | MO | 63025 |
| Cee Kay Supply                | 103 Thresher Ave.              | Eureka | MO | 63025 |
| Central Ave. Antiques         | 210 S. Central                 | Eureka | MO | 63025 |
| Central Baptist Church        | 601 N. Central Ave.            | Eureka | MO | 63025 |
| Central Design Studio         | 123 S. Central                 | Eureka | MO | 63025 |
| Chanticleer Antiques          | 141 S. Central Ave.            | Eureka | MO | 63025 |
| Check N Go                    | 183 Eureka Towne Center Dr.    | Eureka | MO | 63025 |
| Cherokee Chief Trading Post   | 529 N. Virginia                | Eureka | MO | 63025 |
| China King                    | 185 Eureka Towne Center Dr.    | Eureka | MO | 63025 |
| Clinical Research Services    | 17165 Elm Trail Dr.            | Eureka | MO | 63025 |
| Coating Solutions             | 204 Dreyer                     | Eureka | MO | 63025 |
| Comprehensive Chiropractic    | 113 W. Fifth St.               | Eureka | MO | 63025 |
| Con Tech Carpentry            | 366 W. Fourth St.              | Eureka | MO | 63025 |
| Connie's Antiques             | 115 E. Fifth St.               | Eureka | MO | 63025 |
| Connie's Total Fitness        | 115 E. Fifth St.               | Eureka | MO | 63025 |
| Contemporary Communications   | 324 Cerny                      | Eureka | MO | 63025 |
| Creative Expressions Learning | 76 Legends Parkway             | Eureka | MO | 63025 |
| Creative Gift Design          | 137 S. Central                 | Eureka | MO | 63025 |
| Cunningham-Millard-Cantriel   | 108 N. Central                 | Eureka | MO | 63025 |
| Curves For Women              | 535 N. Central                 | Eureka | MO | 63025 |
| Custom Cuts                   | 165 Eureka Towne Center Dr.    | Eureka | MO | 63025 |
| D&C Cycle                     | 123 N. Central                 | Eureka | MO | 63025 |
| Daisy Home Services           | 997 Eureka Rd.                 | Eureka | MO | 63025 |
| Dance Art Studio              | 98 Legends Parkway             | Eureka | MO | 63025 |
| David D. Brown Insurance      | 116 N. Central                 | Eureka | MO | 63025 |
| Dawn's Antiques               | 210 S. Central                 | Eureka | MO | 63025 |
| Days Inn                      | 15 Hilltop village Center Dr.  | Eureka | MO | 63025 |
| Dempsey Country Market        | 107 S. Central                 | Eureka | MO | 63025 |
| Dennis Glore                  | 120 S. Virginia                | Eureka | MO | 63025 |
| Denny's                       | 1717 W. Fifth St.              | Eureka | MO | 63025 |
| Design Florist                | 92 Hilltop Village Center Dr.  | Eureka | MO | 63025 |
| Dien's Martial Arts           | 4 Hilltop Village Center Dr.   | Eureka | MO | 63025 |
| Dollar Shop                   | 109 Hilltop Village Center Dr. | Eureka | MO | 63025 |
| Dollar Tree                   | 169 Eureka Towne Center Dr.    | Eureka | MO | 63025 |
| Dr. Gregory Boschert          | 101 S. Central                 | Eureka | MO | 63025 |
| Dri Port Marine               | 1500 S. Outer Rd.              | Eureka | MO | 63025 |
| DSW Investment                | 700 Niehoff Dr.                | Eureka | MO | 63025 |
| Econolodge                    | 1725 W. Fifth St.              | Eureka | MO | 63025 |
| Eden Community Church         | 106 Lakeview Woods             | Eureka | MO | 63025 |
| Edge Creative                 | 201 Lakeview Dr.               | Eureka | MO | 63025 |
| Edward Jones                  | 5 Hilltop Village Center Dr.   | Eureka | MO | 63025 |

|                                |                                |         |    |       |
|--------------------------------|--------------------------------|---------|----|-------|
| El Nopal                       | 110 Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| Elam Enterprises               | 226 Walden Ct.                 | Eureka  | MO | 63025 |
| Empress Kitchen                | 97 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Enterprise Rent A Car          | 76 hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Erb Contractors                | 103 Forest Dr.                 | Eureka  | MO | 63025 |
| Eureka Antique Mall            | 107 E. Fifth St.               | Eureka  | MO | 63025 |
| Eureka Auto Body               | 639 Viola Ln.                  | Eureka  | MO | 63025 |
| Eureka Auto Collision Center   | 1023 W. Fifth St.              | Eureka  | MO | 63025 |
| Eureka Barbar Shop             | 114 N. Central                 | Eureka  | MO | 63025 |
| Eureka Car Care                | 527 N. Central                 | Eureka  | MO | 63025 |
| Eureka Car Wash                | 79 Hilltop Village Center Dr   | Eureka  | MO | 63025 |
| Eureka Cars and Trucks         | 1721 W. Fifth                  | Eureka  | MO | 63025 |
| Eureka Chiropractic Center     | 611 W. Fifth St.               | Eureka  | MO | 63025 |
| Eureka Copy Center             | 312 N. Central                 | Eureka  | MO | 63025 |
| Eureka Dairy Queen             | 14 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Eureka Downtown Texaco         | 207 S. Central                 | Eureka  | MO | 63025 |
| Eureka Elementary              | 442 W. Fourth St.              | Eureka  | MO | 63025 |
| Eureka Family Dental Care      | 302 Bald Hill Rd.              | Eureka  | MO | 63025 |
| Eureka Feed Station            | 4 S. Central                   | Eureka  | MO | 63025 |
| Eureka Heating and Cooling     | 135 S. Central                 | Eureka  | MO | 63025 |
| Eureka Kampers                 | 1425 W. Fifth St.              | Eureka  | MO | 63025 |
| Eureka Medical Center          | 97 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Eureka Medical Office          | 300 W. Fourth St.              | Eureka  | MO | 63025 |
| Eureka Music                   | 3 Hilltop Village Center Dr.   | Eureka  | MO | 63025 |
| Eureka Nails                   | 98 Legends Parkway             | Eureka  | MO | 63025 |
| Eureka Nursery and Landscaping | 1421 W. Fifth St.              | Eureka  | MO | 63025 |
| Eureka Physical Therapy        | 300 W. Fourth St.              | Eureka  | MO | 63025 |
| Eureka Save A Lot              | 225 Thresher                   | Eureka  | MO | 63025 |
| Eureka Senior High School      | 4525 Hwy 109                   | Eureka  | MO | 63025 |
| Eureka Six Cine                | 99 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Eureka Smile Center            | 18 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Eureka Storage                 | 110 Dreyer                     | Eureka  | MO | 63025 |
| Eureka Truck and Auto          | 1299 W. Fifth St.              | Eureka  | MO | 63025 |
| Eureka T's                     | 22 Dreyer                      | Eureka  | MO | 63025 |
| Eureka Veterinary Clinic       | 1415 W. Fifth St.              | Eureka  | MO | 63025 |
| Eurela Pediatrics              | 515 N. Virginia                | Eureka  | MO | 63025 |
| Excel Communications           | 573 Fairway Oaks Dr.           | Eureka  | MO | 63025 |
| Faithful Servant               | 3 Hilltop Village Center Dr.   | Eureka  | MO | 63025 |
| Fashion Bug                    | 155 Eureka Towne Center Dr.    | Eureka  | MO | 63025 |
| Faust Construction Co.         | 61 Fairview Ln.                | Pacific | MO | 63069 |
| FDL Mechanical Contractor      | 607 Stockell Dr.               | Eureka  | MO | 63025 |
| Fearless Fighters Paintball    | 1747 W. Fifth St.              | Eureka  | MO | 63025 |

|                                  |                                 |         |    |       |
|----------------------------------|---------------------------------|---------|----|-------|
| Fifth St. Toppers                | 1027 W. Fifth St.               | Eureka  | MO | 63025 |
| Firehouse Gallery                | 131 S. Central Ave.             | Eureka  | MO | 63025 |
| Five Star Limosines              | 134 S. Virginia                 | Eureka  | MO | 63025 |
| Forget Me Nots                   | 126 S. Central                  | Eureka  | MO | 63025 |
| Fortel's Pizza Den               | 54 Legends Parkway              | Eureka  | MO | 63025 |
| Franklin Mechanical              | 320 Cahoon Dr.                  | Eureka  | MO | 63025 |
| Frisco Antiques                  | 222 Main St.                    | Eureka  | MO | 63025 |
| Fuller Automotive                | 19 W. Fifth St.                 | Eureka  | MO | 63025 |
| Future Aire                      | 690 W. Fourth St.               | Eureka  | MO | 63025 |
| G. Clinton Borrer Architect      | 214 N. Central Ave.             | Eureka  | MO | 63025 |
| Gael's Antiques and Collectibles | 510 N. West Ave.                | Eureka  | MO | 63025 |
| Geggie Elementary                | 430 Bald Hill Rd.               | Eureka  | MO | 63025 |
| GEM Lawn Service                 | 33 Muir St.                     | Eureka  | MO | 63025 |
| Gershenson Construction          | 2 Truitt Dr.                    | Eureka  | MO | 63025 |
| Gillick's Salon                  | 125 S. Central                  | Eureka  | MO | 63025 |
| Gingerbread House Antiques       | 138 S. Virginia                 | Eureka  | MO | 63025 |
| GNC                              | 155 Eureka Towne Center Dr.     | Eureka  | MO | 63025 |
| Golden Horseshoe Tack Shop       | 319 N. Central                  | Eureka  | MO | 63025 |
| Grace Lutheran Church            | 135 Shaw Dr.                    | Eureka  | MO | 63025 |
| Great Clips                      | 110B Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| Great Midwest Antique Mall       | 100 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Hair Etc.                        | 105 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Hanephin's                       | 122 S. Central                  | Eureka  | MO | 63025 |
| Hart Farms                       | 490 Forby Rd.                   | Eureka  | MO | 63025 |
| His & Hers Hair Styling          | 212 N. Central                  | Eureka  | MO | 63025 |
| HLS Properties                   | 623 N. Virginia                 | Eureka  | MO | 63025 |
| Holiday Inn At Six Flags         | 4901 Six Flags Rd.              | Eureka  | MO | 63025 |
| Holiday's Past                   | 141 S. Central Ave.             | Eureka  | MO | 63025 |
| Home Service Oil Co.             | 25 Truitt Dr.                   | Eureka  | MO | 63025 |
| Horizon Auto Sales               | 1351 W. Fifth St.               | Eureka  | MO | 63025 |
| Hummingbird Hollow Collectibles  | 510 N. West Ave                 | Eureka  | MO | 63025 |
| Hydrocontrol Systems             | 551 Overlook Terrace Ct.        | Eureka  | MO | 63025 |
| Hyndrich Brothers Towing         | 18515 Old Hwy 66                | Pacific | MO | 63069 |
| I-44 Marine                      | 1729 W. Fifth St.               | Eureka  | MO | 63025 |
| Ice House Antiques               | 19 Dreyer                       | Eureka  | MO | 63025 |
| Imo's                            | 167 Eureka Towne Center Dr.     | Eureka  | MO | 63025 |
| Janet's Barbar Shop              | 108 Main St.                    | Eureka  | MO | 63025 |
| Janet's Cleaning Service         | 606 Wallach                     | Eureka  | MO | 63025 |
| Janis Lamprecht                  | 125 S. Central                  | Eureka  | MO | 63025 |
| JD Grading                       | 1030 Eureka Rd.                 | Eureka  | MO | 63025 |
| Jefferson Bank and Trust         | 100 Legends Parkway             | Eureka  | MO | 63025 |
| Jerry's Lock and Key Repair      | 67 Willow                       | Eureka  | MO | 63025 |

|                                     |                               |        |    |       |
|-------------------------------------|-------------------------------|--------|----|-------|
| JM Marschuetz Construction          | 2 Truitt Dr.                  | Eureka | MO | 63025 |
| Joe Boccardi Ristorante             | 128 S. Central                | Eureka | MO | 63025 |
| John's Auto/Towing Service          | 325 Second St.                | Eureka | MO | 63025 |
| JP sports Bar and Grill             | 95 Hilltop Village Center Dr. | Eureka | MO | 63025 |
| JR Green Insurance Services         | 607 Stockell Dr.              | Eureka | MO | 63025 |
| JR's Pub and Grill                  | 98A Legends Parkway           | Eureka | MO | 63025 |
| Karen Fisher Peters                 | 2A Hilltop Village Center Dr. | Eureka | MO | 63025 |
| Keep in Touch                       | 113 W. Fifth St.              | Eureka | MO | 63025 |
| Kidco                               | 623 Wallach                   | Eureka | MO | 63025 |
| Klance Staging                      | 9 Hilltop Village Center Dr.  | Eureka | MO | 63025 |
| KOA St. Louis West                  | 18475 Old Hwy 66              | Eureka | MO | 63025 |
| Krueger Antiques                    | 510 N. West Ave.              | Eureka | MO | 63025 |
| KVK Construction                    | 345 Cerny                     | Eureka | MO | 63025 |
| LA Nails                            | 177 Eureka Towne Center       | Eureka | MO | 63025 |
| Laurie Price / Frienda Antiques and | 510 N. West Ave.              | Eureka | MO | 63025 |
| Lawn by Lawn                        | 42 Rockwood Place Ct.         | Eureka | MO | 63025 |
| Legends Cleaners                    | 54 Legends Parkway            | Eureka | MO | 63025 |
| Legends Country Club                | 825 Legends Parkway           | Eureka | MO | 63025 |
| Legends Terrace Apartments          | 400 Legends Terrace Dr.       | Eureka | MO | 63025 |
| Lewis Electric Motor                | 320 W. Fourth St.             | Eureka | MO | 63025 |
| Lion's Choice                       | 1737 W. Fifth St.             | Eureka | MO | 63025 |
| Long Ford Sales                     | 18155 Old Hwy 66              | Eureka | MO | 63025 |
| Louise Cassidy Avon Representative  | 602 Wallach                   | Eureka | MO | 63025 |
| Lubbes Financial Services           | 4533 Emerald View Ct.         | Eureka | MO | 63025 |
| Magnolia's Market                   | 119 N. Central                | Eureka | MO | 63025 |
| Mark Antonacci, Attorney At Law     | 106 S. Central                | Eureka | MO | 63025 |
| Marshall Wireless                   | 98 Legends Parkway            | Eureka | MO | 63025 |
| Mary Beth's Treasures               | 510 N. West Ave.              | Eureka | MO | 63025 |
| Mary Lou's Guardian Day Care        | 17002 Redwood Glen Dr.        | Eureka | MO | 63025 |
| Marymount Manor Nursing Center      | 313 Augustine Rd.             | Eureka | MO | 63025 |
| McClain Performance Diesel          | 15 Truitt Dr.                 | Eureka | MO | 63025 |
| McDonalds                           | 5699 Fox Creek Rd.            | Eureka | MO | 63025 |
| McDonalds                           | 15 Hilltop Village Center Dr. | Eureka | MO | 63025 |
| Meyer Painting Co.                  | 420 W. Fourth St.             | Eureka | MO | 63025 |
| M-Gems                              | 212 N. Central                | Eureka | MO | 63025 |
| Michelle's Café                     | 104 S. Central                | Eureka | MO | 63025 |
| Mid America Fuel Center             | 18181 Old Hwy 66              | Eureka | MO | 63025 |
| Mid America Truck Tops              | 501 Howerton Ln.              | Eureka | MO | 63025 |
| Midwest Motors                      | 1400 S. Outer Rd.             | Eureka | MO | 63025 |
| Midwest Professional Reps           | 104 W. Frisco                 | Eureka | MO | 63025 |
| Miller Pest Control                 | 104 Forest Hills Dr.          | Eureka | MO | 63025 |
| Miller Salsbury Law Firm            | 925 W. Fifth St.              | Eureka | MO | 63025 |

|                                    |                                 |         |    |       |
|------------------------------------|---------------------------------|---------|----|-------|
| Missouri Wine Guy                  | 2160 Hwy F                      | Pacific | MO | 63069 |
| Mona's Treasured Memories          | 510 N. West Ave.                | Eureka  | MO | 63025 |
| Moore Design Group                 | 676 Southern Hills Dr.          | Eureka  | MO | 63025 |
| Motomart                           | 5695 Fox Creek Rd.              | Eureka  | MO | 63025 |
| My Vet Animal Clinic               | 300 W. Fourth St.               | Eureka  | MO | 63025 |
| Nails By Sherry                    | 125 S. Central                  | Eureka  | MO | 63025 |
| Neutron Technologies               | 127 S. Central                  | Eureka  | MO | 63025 |
| Nick's Old Towme Auto              | 12 Dreyer                       | Eureka  | MO | 63025 |
| NSF & Associates                   | 211 Beverly St.                 | Eureka  | MO | 63025 |
| Nuptials Bridal                    | 98 Legends Parkway              | Eureka  | MO | 63025 |
| Olde Towne Jewelers                | 221 Thresher Ave.               | Eureka  | MO | 63025 |
| Orkin Pest Control                 | 1 Hilltop Village Center Dr.    | Eureka  | MO | 63025 |
| Paula Spoon - Mary Kay Products    | 17423 Hilltop Ridge Dr.         | Eureka  | MO | 63025 |
| Payless Shoe Source                | 173 Eureka Towne Center Dr.     | Eureka  | MO | 63025 |
| Pegasus Massage Therapy            | 625 Legends Parkway             | Eureka  | MO | 63025 |
| Penick Construction                | 86 Caribou Ct.                  | Eureka  | MO | 63025 |
| Pevely Farms                       | 400 Lewis Rd.                   | Eureka  | MO | 63025 |
| Phillips Floor Covering            | 2634 Sunrise Dr.                | Eureka  | MO | 63025 |
| Phil's Bar B Que                   | 115 W. Fifth St.                | Eureka  | MO | 63025 |
| Pioneer Bank and Trust             | 15 Augusting Rd.                | Eureka  | MO | 63025 |
| Pizza Hut                          | 77 Hilltop Village Center Dr.   | Eureka  | MO | 63025 |
| Ponderosa Steakhouse               | 80 Hilltop Village Center Dr.   | Eureka  | MO | 63025 |
| Pool Fixers                        | 15 E. Fifth St.                 | Eureka  | MO | 63025 |
| Poor Richard's                     | 108 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |
| Premier Restoration Services       | 16 E. Second St.                | Eureka  | MO | 63025 |
| Prestige Pet Grooming              | 128 S. Virginia                 | Eureka  | MO | 63025 |
| Price Memorial                     | 300 Forby Rd.                   | Eureka  | MO | 63025 |
| Price Professional Automotive      | 18449 Old Hwy 66                | Eureka  | MO | 63025 |
| Pricilla's Antiques & Collectibles | 19 Dreyer                       | Eureka  | MO | 63025 |
| Pro Tint                           | 15 E. Fifth St.                 | Eureka  | MO | 63025 |
| Properties West Realty             | 601 Wengler Rd.                 | Eureka  | MO | 63025 |
| ProPrint                           | 90 Hilltop Village Center Dr.   | Eureka  | MO | 63025 |
| Psoverton Consulting               | 608 Cerny                       | Eureka  | MO | 63025 |
| Quiktrip                           | 290 E. Fourth St.               | Eureka  | MO | 63025 |
| Rademacher Fencing                 | 566 Workman Rd.                 | Eureka  | MO | 63025 |
| Radio Shack                        | 163 Eureka Towne Center Dr.     | Eureka  | MO | 63025 |
| Raineri Building Materials         | 6 Truitt Dr.                    | Eureka  | MO | 63025 |
| Ray Dickemper Antiques             | 19 Dreyer                       | Eureka  | MO | 63025 |
| Red Rooster Antiques               | 210 S. Central                  | Eureka  | MO | 63025 |
| Rich & Charlie's                   | 108C Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| Richard H. Helfrich DDS            | 302 Bald Hill Rd.               | Eureka  | MO | 63025 |
| RL Weible Insurance Agency         | 1439 Elliot St.                 | Eureka  | MO | 63025 |



|                                |                                |         |    |       |
|--------------------------------|--------------------------------|---------|----|-------|
| Roadrunner Trailer & Hitch Co. | 700 W. Fourth St.              | Eureka  | MO | 63025 |
| Robinson's Landscaping and     | 48 High View                   | Eureka  | MO | 63025 |
| Rockwood Bank                  | 219 Thresher                   | Eureka  | MO | 63025 |
| Rockwood Counseling Center     | 300 W. Fourth St.              | Eureka  | MO | 63025 |
| Rockwood Heating and Cooling   | 17009 Elm Trail Dr.            | Eureka  | MO | 63025 |
| Rockwood Veterinary Clinic     | 102 Dreyer                     | Eureka  | MO | 63025 |
| Rotometrics                    | 800 Howerton Ln.               | Eureka  | MO | 63025 |
| Route 66 Senior Center         | 500 N. Central                 | Eureka  | MO | 63025 |
| Route 66 Trees                 | 18593 Old Hwy 66               | Eureka  | MO | 63025 |
| Rt. 66 State Park              | 97 N. Outer Rd.                | Eureka  | MO | 63025 |
| Sacred Heart Catholic Church   | 350 E. Fourth St.              | Eureka  | MO | 63025 |
| Scharnhorst Photography        | 137 S. Central                 | Eureka  | MO | 63025 |
| Scheer Marketing               | 837 Legends View               | Eureka  | MO | 63025 |
| Schnucks Markets               | 111 Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| Schulte Construction           | 606 Butler Dr.                 | Eureka  | MO | 63025 |
| Selbert's Auto Body            | 212 S. Virginia                | Eureka  | MO | 63025 |
| Select Motors                  | 18601 Old Hwy 66               | Pacific | MO | 63069 |
| Sellenriek Grading Co.         | 7 Truitt Dr.                   | Eureka  | MO | 63025 |
| Shadescapes                    | 614 Legends View Dr.           | Eureka  | MO | 63025 |
| Shell of Allenton              | 18201 Old Hwy 66               | Eureka  | MO | 63025 |
| Shell of Eureka                | 100 Old Towne Dr.              | Eureka  | MO | 63025 |
| Shelter Insurance              | 350 S. Central Ave.            | Eureka  | MO | 63025 |
| Shutterbug Photo               | 770 Southern Hills Dr.         | Eureka  | MO | 63025 |
| Six Flags St. Louis            | 4900 Six Flags Rd.             | Eureka  | MO | 63025 |
| Smith Remodeling               | 525 Orchard Ln.                | Eureka  | MO | 63025 |
| Solid Rock Kaffe Haus          | 129 S. Central Ave.            | Eureka  | MO | 63025 |
| Sowards Motors                 | 105 E. Fifth St.               | Eureka  | MO | 63025 |
| Space Form Architects          | 106 S. Central                 | Eureka  | MO | 63025 |
| Special K's Collectibles       | 19 Dreyer                      | Eureka  | MO | 63025 |
| St. Louis County Library       | 103 Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| St. Louis Equine Veterinary    | 102 Dreyer                     | Eureka  | MO | 63025 |
| St. Marks Lutheran Church      | 500 Meramec Blvd.              | Eureka  | MO | 63025 |
| Stahlhuth & Rudder             | 187 Eureka Towne Center Dr.    | Eureka  | MO | 63025 |
| Steak and Shake                | 1567 W. Fifth St.              | Eureka  | MO | 63025 |
| Stewart Appraisal Service Inc. | 17142 Hidden Valley Forest Dr. | Eureka  | MO | 63025 |
| Studio 145                     | 145 S. Central                 | Eureka  | MO | 63025 |
| Subway                         | 106 Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| Sundance Salon and Spa         | 224 N. Central                 | Eureka  | MO | 63025 |
| Super 8 Motel                  | 1733 W. Fifth St.              | Eureka  | MO | 63025 |
| Super Smokers                  | 62 Stockell Dr.                | Eureka  | MO | 63025 |
| Supermarket of Shoes           | 143 Eureka Towne Center Dr.    | Eureka  | MO | 63025 |
| Taco Bell                      | 83 Hilltop Village Center Dr.  | Eureka  | MO | 63025 |

|                                   |                               |         |    |       |
|-----------------------------------|-------------------------------|---------|----|-------|
| Tan Fastic Tan Center             | 98 Legends Parkway            | Eureka  | MO | 63025 |
| Tech Equipment Sales              | 321 N. Virginia               | Eureka  | MO | 63025 |
| The Angels Garden                 | 619 W. Fifth St.              | Eureka  | MO | 63025 |
| The Medicine Shoppe               | 215 Thresher Ave.             | Eureka  | MO | 63025 |
| The Painted Daisy                 | 133 S. Central                | Eureka  | MO | 63025 |
| The Players Club                  | 745 Lewis Rd.                 | Eureka  | MO | 63025 |
| The Preening Swan                 | 210 S. Central                | Eureka  | MO | 63025 |
| The Warehouse Store               | 104 Hickory Hill Dr.          | Eureka  | MO | 63025 |
| Theatrical Concepts               | 98 Legends Parkway            | Eureka  | MO | 63025 |
| Three Friend's Antiques           | 510 N. West Ave.              | Eureka  | MO | 63025 |
| Title Insurers Agency             | 223 Thresher                  | Eureka  | MO | 63025 |
| TJ Samuels                        | 106 S. Central                | Eureka  | MO | 63025 |
| Today's Family Dental             | 208 N. Central                | Eureka  | MO | 63025 |
| Top Notch Early Education Center  | 600 Top Notch Ln.             | Eureka  | MO | 63025 |
| Tri County Birthright             | 8 Hilltop Village Center      | Eureka  | MO | 63025 |
| Tri County Escrow Services        | 607 Stockell Dr.              | Eureka  | MO | 63025 |
| Tri County Flooring               | 600 Stockell Dr.              | Eureka  | MO | 63025 |
| Tri County Pool and Landscaping   | 89 Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| Tsunami Motorsports               | 18505 Old Hwy 66              | Pacific | MO | 63069 |
| Ty's Liquor                       | 115 S. Central                | Eureka  | MO | 63025 |
| U-Gas Eureka                      | 301 W. Fifth St.              | Eureka  | MO | 63025 |
| Uniquely Yours Interiors          | 16806 Enderbush Ln.           | Eureka  | MO | 63025 |
| Unity Medical Group               | 179 Eureka Towne Center Dr.   | Eureka  | MO | 63025 |
| Urethane Roller Specialists       | 100 S. Central                | Eureka  | MO | 63025 |
| US Bank                           | 10 Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| USA Martial Arts Academy          | 87 Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| VC Horn and Son's Lumber Co.      | 603 Legends View Dr.          | Eureka  | MO | 63025 |
| Victorian Place Antiques          | 510 N. West Ave.              | Eureka  | MO | 63025 |
| Victory Auto Repair and Detailing | 1023 W. Fifth St.             | Eureka  | MO | 63025 |
| Waddell Concrete                  | 420 W. Fourth St.             | Eureka  | MO | 63025 |
| Wal Mart                          | 131 Eureka Towne Center Dr.   | Eureka  | MO | 63025 |
| Wallach House Antiques            | 510 N. West Ave.              | Eureka  | MO | 63025 |
| Wallner Lawn Care                 | 710 Hilltop Terrace Dr.       | Eureka  | MO | 63025 |
| Warnol Publishing                 | 4603 Meramec Dr.              | Eureka  | MO | 63025 |
| Welker Construction and           | 29 Muir                       | Eureka  | MO | 63025 |
| West County Mortgage              | 54 Legends Parkway Suite 155  | Eureka  | MO | 63025 |
| White Castle                      | 78 Hilltop Village Center Dr. | Eureka  | MO | 63025 |
| Wholesale Plumbing Supply         | 720 W. Fourth St.             | Eureka  | MO | 63025 |
| Wyman Center Inc.                 | 600 Kiwanis Dr.               | Eureka  | MO | 63025 |
| Yogi Bear's Jellystone Park and   | 5300 Fox Creek Rd.            | Eureka  | MO | 63025 |
| Young Motors                      | 1329 W. Fifth St.             | Eureka  | MO | 63025 |

## Appendix E

### Fire Department Questionnaire

1. Does your fire department conduct fire prevention inspections in commercial and high life hazard occupancies?  
☐ Yes ☐ No
2. Does your fire department conduct engine company fire prevention inspections in commercial and high life hazard occupancies?  
☐ Yes ☐ No
3. Do you provide fire prevention inspection training for the staff that conducts engine company fire prevention inspections in commercial and high life hazard occupancies?  
☐ Yes ☐ No
4. Are the engine company fire prevention inspections in commercial and high life hazard occupancies the only inspection conducted for those buildings?  
☐ Yes ☐ No
5. If the engine company fire prevention inspection reveals any violations is there a follow up inspection provided by a member of the fire prevention bureau?  
☐ Yes ☐ No
6. Generally how many inspections are conducted by engine companies?  
 per  Month  Week  Quarter
7. Please rate your overall idea of the reception by the business owners to your inspection program.  
 Positive  Negative
8. Please rate your overall idea of the reception by your staff to your inspection program.  
 Positive  Negative
9. Overall do you consider your inspection program a public relations positive or a negative?  
 Positive  Negative
10. Please feel free to comment on any aspect of your inspection program.

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Thank you for your valuable contribution to this research project!

## Appendix F

## Greater St. Louis Region Fire Chief's Association

| <b>District</b>                      | <b>WorkAddress</b>        | <b>City</b>      | <b>State</b> | <b>Postal Code</b> |
|--------------------------------------|---------------------------|------------------|--------------|--------------------|
| Aftton Fire Protection District      | 8110 Valcour Ave.         | St. Louis        | MO           | 63123-             |
| Berkeley Fire Department             | 6140 North Hanley         | Berkeley         | MO           | 63134-             |
| Black Jack Fire Protection District  | 12490 Old Halls Ferry     | Florissant       | MO           | 63033-             |
| Brentwood Fire Department            | 2348 S. Brentwood Blvd.   | Brentwood        | MO           | 63144-             |
| Chesterfield Fire Protection         | 13725 Olive Blvd.         | Chesterfield     | MO           | 63017-             |
| Clayton Fire Department              | 10 N. Bemiston            | Clayton          | MO           | 63105-             |
| Community Fire Protection District   | 9923 St. Martha           | St. Ann          | MO           | 63074-             |
| Cottleville Fire Protection District | P. O. Box 385             | Cottleville      | MO           | 63338-             |
| Crestwood Fire Department            | 1 Detjen Dr.              | Crestwood        | MO           | 63126-             |
| Creve Coeur Fire Protection          | 11221 Olive Blvd.         | Creve Coeur      | MO           | 63141-             |
| Des Peres Department of Public       | 1000 Ballas               | Des Peres        | MO           | 63131-             |
| Eureka Fire Protection District      | P.O. Box 97               | Eureka           | MO           | 63025-1128         |
| Fenton Fire Protection District      | 845 Gregory Ln.           | Fenton           | MO           | 63026-             |
| Ferguson Fire Department             | 106 Church St.            | Ferguson         | MO           | 63135-             |
| Florissant Valley Fire Protection    | 605 rue St. Catherine     | Florissant       | MO           | 63031-             |
| Frontenac Fire Department            | 10555 Clayton Rd.         | Frontenac        | MO           | 63131-             |
| Glendale Fire Department             | 424 N Sappington Rd.      | Glendale         | MO           | 63122-             |
| Hazelwood Fire Department            | 6800 Howdershell          | Hazelwood        | MO           | 63042-             |
| Jennings Fire Department             | 7215 W. Florissant        | Jennings         | MO           | 63136-             |
| Kinloch Fire Department              | 5684 Martin Luther King   | Kinloch          | MO           | 63140-             |
| Kirkwood Fire Department             | 137 West Argonne          | Kirkwood         | MO           | 63122-4303         |
| Ladue Fire Department                | 9213 Clayton Rd.          | Ladue            | MO           | 63124-             |
| Lake St. Louis Fire Protection       | 2533 Lake St. Louis Blvd. | Lake St. Louis   | MO           | 63367-             |
| Lemay Fire Protection District       | 1201 Telegraph            | Lemay            | MO           | 63125-             |
| Maplewood Fire Department            | 7601 Manchester Rd.       | Maplewood        | MO           | 63143-             |
| Maryland Heights Fire Protection     | 2600 Schuetz Rd.          | Maryland Heights | MO           | 63043-             |
| Mehlville Fire Protection District   | 11020 Mueller Rd.         | St. Louis        | MO           | 63123-             |
| Metro West Fire Protection District  | P. O. Box 310             | Wildwood         | MO           | 63040-             |
| Mid-County Fire Protection District  | 1875 Penn Ave.            | St. Louis        | MO           | 63133-             |
| Moline Fire Protection District      | 1815 Chambers Rd.         | St. Louis        | MO           | 63136-             |
| Normandy Fire Department             | 7302 Pasadena Blvd.       | St. Louis        | MO           | 63121-             |
| Olivette Fire Department             | 9473 Olive Blvd.          | St. Louis        | MO           | 63132-             |
| Pattonville Fire Protection District | 13900 St. Charles Rock    | Bridgeton        | MO           | 63044-             |
| Richmond Heights Fire                | 7449 Dale Ave.            | Richmond Heights | MO           | 63117-             |
| Riverview Fire Protection District   | 9933 Diamond Dr.          | St. Louis        | MO           | 63137-             |
| Robertson Fire Protection District   | 12641 Missouri Bottom     | Hazelwood        | MO           | 63042-             |
| Rock Community Fire Protection       | 1533 Jeffco Blvd.         | Arnold           | MO           | 63010-             |
| Rock Hill Fire Department            | 9620 Manchester Rd.       | Rock Hill        | MO           | 63119-             |
| Rock Township Ambulance              | PO Box 21                 | Arnold           | MO           | 63010-             |

|                                      |                      |                 |    |            |
|--------------------------------------|----------------------|-----------------|----|------------|
| Shrewsbury Fire Department           | 4400 Shrewsbury Ave. | Shrewsbury      | MO | 63119-     |
| Spanish Lake Fire Protection         | 11811 Larimore Rd.   | St. Louis       | MO | 63138-     |
| St. Charles Fire Department          | 200 N. 2nd St.       | St. Charles     | MO | 63301-     |
| St. Louis Fire Department            | 2634 Hampton         | St. Louis       | MO | 63139-     |
| University City Fire Department      | 6801 Delmar          | University City | MO | 63130-     |
| Valley Park Fire Protection District | 55 Cresent Ave.      | Valley Park     | MO | 63088-     |
| Webster Groves Fire Department       | 6 S. Elm             | Webster Groves  | MO | 63119-     |
| West County EMS & Fire               | 123 Henry Ave.       | Manchester      | MO | 63011-4017 |
| West Overland Fire Protection        | 10789 Midland Blvd.  | St. Louis       | MO | 63114-     |