

COLORADO FIRE SUPPRESSION RULES
2006-2015 REVISION

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SECTION 1
INTRODUCTION AND BACKGROUND INFORMATION

The Colorado Fire Suppression System Program began on January 1, 1991. It was created by Senate Bill 90-4, which was signed into law on May 18, 1990. The purpose of the Colorado Fire Suppression Program is to ensure that life safety systems, installed in commercial and residential occupancies, are installed and maintained properly, according to nationally recognized standards. 24-33.5-1204.5, C.R.S. establishes the authority to promulgate rules and regulations to administer the fire suppression program and to establish fees and charges necessary to defray the anticipated costs of the program.

SECTION 2 DEFINITIONS

The definitions provided in 24-33.5-1202, C.R.S., shall apply to these rules and regulations. The following additional definitions shall also apply:

- 2.1 AUTHORITY HAVING JURISDICTION: - means the Division, unless delegated to a Local Authority Having Jurisdiction having fire suppression systems inspectors certified to the appropriate level.
- 2.2 CERTIFICATE OF REGISTRATION (OR REGISTRATION): - means the document issued to a contractor under these Rules and Regulations authorizing a contractor to conduct business in this state.
- 2.3 COMPANY: - means a corporation, partnership, firm or association, two or more persons having a joint or common interest, or any other legal or commercial entity.
- 2.4 CEU: - ~~Memme~~ means continuing education units. Each 10 hours of related professional development activities equals one CEU.
- 2.5 DEFICIENCY: - means ~~F~~for the purposes of inspection, testing, and maintenance of fire ~~suppressions~~suppression systems, a condition that will or has the potential to adversely impact the performance of a system or portion thereof but does not rise to the level of an impairment..
- 2.65 DIRECTOR: - means the Director of the Division, or his designee.
- 2.76 DIVISION: - means the Colorado Division of Fire Prevention and Control.
- 2.87 FIRE SUPPRESSION SYSTEM: - means an assembly of any or all of the following: piping valves, conduits, dispersal openings, sprinkler heads, orifices, and other similar devices that convey extinguishing agents for the purpose of controlling, confining, or extinguishing fire, with the exception of multipurpose residential fire sprinkler systems in one- and two- family dwellings and townhouses that are part of the potable water supply, pre-engineered range hoods, duct systems, and portable fire extinguishers.
- 2.9 FIRE SPRINKLER SYSTEM: - means a fire suppression ~~or control device that operates automatically when its heat activated element is heated to its thermal rating or above, allowing water to discharge over a specified area.~~system consisting of integrated piping, valves, sprinklers, and water supplies designed to be activated by the heat of a fire and discharge water over the fire area.
- 2.810 ICC: - ~~M~~means the International Code Council.

- 2.11 IMPAIRMENT: - means a condition where a fire suppression system or unit or portion thereof is out of order, and the condition can result in the fire suppression system or unit not functioning in a fire event.
- 2.129 INDIVIDUAL (OR PERSON): - means a person, including an owner, manager, officer, employee, or individual.
- 2.13 INSPECTION, TESTING, AND MAINTENANCE SERVICE: - means a service program provided by a qualified contractor or qualified property owner's representative in which all components unique to the property's systems are inspected and tested at the required times and necessary maintenance is provided.
- 2.1405 ———INSTALLATION: - means the initial placement of equipment or the extension, modification, or alteration of equipment after the initial placement.
- 2.1516 ———LOCAL AUTHORITY HAVING JURISDICTION: - means the fire chief, fire marshal or other designated official of a county, municipality, or special district that has fire suppression systemscode enforcement responsibilities ~~and employs or otherwise provides a certified fire suppression systems inspector.~~
- 2.1627 ———MAINTENANCE: - means to sustain in a condition of repair that will allow performance as originally designed or intended.
- 2.1738 MULTIPURPOSE RESIDENTIAL FIRE SPRINKLER SYSTEM: - ~~M~~mmeans a residential fire suppression system ~~that utilizes domestic water distribution piping to supply~~intended to serve both domestic and fire protection needs, utilizing a common piping system supplying both domestic plumbing fixtures and fire sprinklers ~~in accordance with NFPA 13D~~which does not contain a cross connection control device in the system piping. This does not include Passive Purge Systems as defined by NFPA 13D. A multipurpose system may also be referred to as a combination system or network system.
- 2.1849 NICET: - means the National Institute for Certification in Engineering Technologies.
- 2.1950 NFPA: - means the National Fire Protection Association.
- 2.20161 ———PERMIT: - ~~m~~MMeans a construction permit for a fire protection system issued by the Division ~~of Fire Safety~~ once construction plans or shop drawings have been approved or approved with corrections. A permit issued by the Division ~~of Fire Safety~~ allows a ~~registered~~certified fire suppression contractor to install or modify fire suppression systems, appurtenances, and equipment as shown on the approved drawings.
- ~~2.12~~ —PEX PIPE: ~~Means cross-linked polyethylene pipe.~~

~~2.21~~~~73~~ — PROFESSIONAL ENGINEER: - Licensed as an engineer and working within competence, training and/or education pertinent to the fire sprinkler industry.

~~2.22~~~~84~~ — RESPONSIBLE MANAGING EMPLOYEE (RME): - ~~is~~-means an individual or person employed full time by a fire suppression contractor who is currently a professional engineer or certified by the National Institute for Certification in Engineering Technologies (NICET) at a level III or level IV in fire protection engineering technologies, automatic sprinkler layout, or another nationally recognized organization approved by the Division ~~of Fire Safety~~. A RME may only act as such for one fire suppression contractor.

2.23 RESIDENTIAL FIRE SUPPRESSION CONTRACTOR: - means a fire suppression contractor that, individually or through others, offers to undertake, represents itself as being able to undertake, or does undertake to sell, lay out, fabricate, install, modify, alter, repair, maintain, or perform maintenance inspections of a residential fire suppression system.

2.24 RESIDENTIAL FIRE SUPPRESSION SYSTEM: - means a fire suppression system designed for or installed in a one- or two-family dwelling or townhouse that is not regulated by the Colorado board of plumbers.

~~2.15~~~~2519~~ — SERVICE (OR REPAIR): - means to repair in order to return the system to proper operational condition.

2.260 SMALL PROJECT: - means any modification to an existing suppression system which has no adverse affect on the integrity of the existing fire protection system, including the hydraulic design, and which involves the addition or relocation of no more than 20 sprinkler heads.

~~2.27~~ SPRINKLER FITTER: - means a person other than an apprentice who is registered with the administrator and who installs fire sprinkler systems. "Sprinkler fitter" does not include a person who performs maintenance and repair on fire suppression systems as a part of his or her employment. A sprinkler fitter does not include a person who performs work exclusively on cross-connection control devices or a person who performs work exclusively on an underground system. "Sprinkler fitter" does not include a person performing work on his or her own home.

2.28 TOTAL PROJECT VALUATION: - means the construction cost of the project including materials and labor, for which the permit is being issued. Such valuation of construction cost is equal to the cost of the project as demonstrated by detailed estimates provided by the Permit applicant.

~~2.29~~ UNDERGROUND SUPPLY LINE: - means the piping and appurtenances downstream from the system installed and maintained by the municipal water supply which supplies water to the fire suppression system.

SECTION 3
~~REGISTRATION OF FIRE SUPPRESSION SYSTEM CONTRACTORS~~
REGISTRATION

3.1 Registration Required

~~3.1.1~~—Any individual or company that employs individuals who physically works on, designs, tests, inspects, or installs any part of a fire ~~protection-suppression~~ system, including underground supply lines from public water lines to system risers and backflow ~~preventors~~preventers, must be registered.

~~3.1.2~~—~~Any company that employs individuals who physically work on or install any part of a fire protection system, including underground supply lines from public water lines to system risers and backflow preventors, must be registered.~~

~~3.1.3~~—Exemptions:

- A. ~~Underground Public utilities installing underground~~ supply lines ~~installed by public utilities.~~
- B. Building owners, conducting maintenance on their fire protection systems under the provisions of NFPA 25, and filing reports with the local fire department having certified fire suppression system inspectors or the ~~Colorado Division of Fire Safety~~. This exception does not apply to work conducted on system components that would require licensing, registration, or certification under any state or federal laws or regulations.
- C. An individual ~~that~~ who installs a system in his or her single family residence (owner occupied) that is designed by a registered contractor and installed in accordance with NFPA 13D standards, and meets all local requirements.
- D. Individuals or companies installing pre-engineered range hoods and duct extinguishing systems.
- E. Companies or individuals that install, maintain, repair, or test Multipurpose Residential Sprinkler Systems or other systems that would be classified as plumbing under these rules and the definitions specified in Colorado State Board of Plumbers in CRS Title 12, Article 58.

3.2 Specific Registrations

3.2.1 Individuals or companies performing work in accordance with 3.1.4 on fire suppression systems in commercial, civil, or residential occupancies shall must be registered as "FIRE SUPPRESSION SYSTEM CONTRACTOR"

3.2.2 Individuals or companies performing work in accordance with 3.1.4 on fire suppression systems only in residential occupancies in must be registered as "RESIDENTIAL FIRE SUPPRESSION SYSTEM CONTRACTOR"

3.2.3 Individuals or companies installing underground supply lines from public water lines to system risers shall must be registered as "FIRE SUPPRESSION SYSTEM CONTRACTOR - UNDERGROUND".

3.2.4 Individuals or companies conducting installation, maintenance, service or testing of backflow prevention devices installed on fire sprinkler systems shall must be registered as "FIRE SUPPRESSION SYSTEM CONTRACTOR - BACKFLOW".

~~3.1.4 Any company or individual conducting maintenance, service or testing of backflow prevention devices installed on fire sprinkler systems shall be a Certified Cross-Connection Control Technician and must possess a valid certification from the American Society of Sanitary Engineering (ASSE), the American Backflow Prevention Association (ABPA), or the Association of Boards of Certification (ABC), in conformance with requirements set forth by the Colorado Primary Drinking Water Regulations. The registration for individuals or companies who conduct maintenance, service or testing of backflow prevention devices shall be known as "FIRE SUPPRESSION SYSTEM CONTRACTOR - BACKFLOW."~~

~~3.1.5 The registration for individuals or companies who install underground supply lines from public water lines to system risers shall be known as "FIRE SUPPRESSION SYSTEM CONTRACTOR - UNDERGROUND".~~

~~3.1.6 Any individual or company registered as "FIRE SUPPRESSION SYSTEM CONTRACTOR - UNDERGROUND" may not install any other component of a fire suppression system.~~

~~3.1.7 Any individual or company registered as "FIRE SUPPRESSION SYSTEM CONTRACTOR - BACKFLOW" may not install any other component of a fire suppression system.~~

~~3.1.8 Any individual or company registered as "FIRE SUPPRESSION SYSTEM CONTRACTOR - MULTIPURPOSE" may only install multipurpose residential fire suppression systems complying with NFPA 13D requirements and for which they are authorized or have received specific system manufacturer's or PEX tubing manufacturer's training.~~

3.32 Application Requirements

In order to register, each contractor doing business in Colorado must understand, agree, and attest to the following:

3.23.1 That the applicant ~~has~~must carry general liability insurance in the amount of at least \$1 million that includes products and completed operations coverage related to the installation of ~~suppressionsprinkler~~ systems.

3.3.2 That the applicant is a principal of the company as defined in Colorado Revised Statutes 24-33.5-1202 (8), ~~and~~which has been recorded with the Colorado Secretary of State's Office.

3.23.3 That all information included on the application is correct.

3.23.4 That the contractor will notify the Division ~~of Fire Safety~~within thirty days of any changes that occur in the information provided, including, but not limited to: a change in responsible managing employee or principal agent of the contractor; ~~or~~a change in address, telephone number, or e-mail address; or a change in insurance coverage.

3.23.5 That the contractor will comply with Colorado Revised Statutes governing fire suppression systems; with all applicable rules, codes, and standards adopted by the Administrator~~Division~~; and with all codes, ordinances and resolutions adopted by municipalities, counties and fire protection districts in which they work.

~~3.2.6 That the contractor will comply with Colorado Revised Statutes governing fire suppression systems, and all rules adopted by the Administrator.~~

~~3.2.7 That the contractor understands that the "Application for Registration" is an official document legally binding the contractor to the provisions of Colorado Revised Statutes 4-33.5-1202 through 1208, et seq. and all rules adopted by the Administrator.~~

3.23.8-7 That the contractor ~~must~~shall not perform any installation or maintenance work on a fire suppression system in Colorado until such time as their registration has been formally issued by the ~~Administrator~~Division.

3.34 Application Procedures ~~for Registration~~

3.4.1 A ~~fire suppression contractor can pick up an "Application for Registration", or request that one be mailed, or the contractor can obtain an application on the Division of Fire Safety's website.~~must apply for registration in a format provided by the Division. Registration aApplications instructions are available on the Division's website (www.dfpc.state.co.us); from the Colorado Division of Fire Safety, 9195 East Mineral Avenue, Suite 234, Centennial, CO 80112~~the~~

Division's offices at 700 Kipling St. Suite 4100, Denver, CO 80215; or by telephone at 720-852-6735/303-239-4100.

3.4.2 The contractor must submit the completed all parts of the application along with the registration fee and all required supporting documentation prior to action by the Division. and sign it. The original application, along with a check or money order in payment of the annual registration fee, must be returned to the Division of Fire Safety. No cash payments will be accepted.

3.4.3 The contractor must submit documentation of general liability insurance in the amount of at least \$1 million that includes products and completed operations coverage related to the installation of suppressionsprinkler systems. The documentation submitted mustshall include identify inclusion and exclusions of the coverage. Policies for contractors installing CPVC piping shallmust carry a CPVC rider.

3.4.4 The Division ~~of Fire Safety~~ will verify existence and/or good standing with the Secretary of State.

3.4.5 The registration is valid from the time of issue to December 31st of the current year, unless earlier revoked or suspended. It must be renewed annually, on or before December 31st of each year. A grace period for renewal may be extended for thirty days after expiration, after which a late application fee will be assessed.

3.4.6 New applicants must submit a completed and notarized Affidavit of Legal Residency as required in 24-76.5-103(4)(b), C.R.S.

3.54 Qualifications for Registration ~~-- for sprinkler~~ Fire Suppression System Contractors: ~~(Effective Date January 1, 2003)~~

3.5.1 ~~In order to become registered as a~~ A Fire Suppression Contractor; ~~the Contractor~~ must employ a Responsible Managing Employee,

--or--

Contractors without a ~~Responsible Managing Employee~~ RME on staff must demonstrate qualifications acceptable to the ~~administrator~~ Division ~~their qualifications~~; including education, training and experience in the fire suppression industry. Contractors registered under this provision must operate under the specific limitations established by the Division. The contractor will be required to submit documentation of at least 2.0 continuing education units (CEU's) annually. The contractor will receive a specific amount of CEU's for various fire suppression development activities as depicted in the table below:

3.5.2 Fire Suppression System Contractors regulated by this rule must not allow a person to work on a fire sprinkler system who is not registered with the Division as a Sprinkler Fitter.

Exemption: Persons who are enrolled in a sprinkler fitter apprenticeship program and are under the direct supervision and immediate presence of a registered sprinkler fitter may perform work on a fire suppression system.

3.6 Specific requirements for Residential Fire Suppression System Contractors:

3.6.1 A Residential Fire Suppression System Contractor must employ a RME,

--or--

Contractors without a RME on staff must demonstrate to the Division their qualifications including education, training, and experience in the residential fire suppression industry.

3.6.2 The applicant must be required to document successful completion of residential sprinkler system training, completion of NFPA 13D related coursework, or other residential suppression system training as approved by the Division.

Codes and Standards Assessment (CSA) Sprinkler Residential On-Site Competent Person Exam (ASR2) or Sprinkler Commercial/Residential On-Site Competent Person (ASCR2) satisfies this experience requirement.

3.6.3 For individuals installing CPVC or PEX piping systems, the applicant must provide a certificate of successful completion of the applicable training course by the manufacturer or their representative.

3.6.4 Before installing a pre-engineered residential fire suppression system, applicants must demonstrate that they are authorized and certified by the system manufacturer to install that specific residential fire suppression system.

3.7 Specific requirements for Fire Suppression System Contractors-Backflow

3.7.1 A Fire Suppression System Contractor-Backflow must employ cross-connection control technicians holding valid certification from the American Society of Sanitary Engineering (ASSE), the American Backflow Prevention Association (ABPA), or the Association of Boards of Certification (ABC), in conformance with requirements set forth by the Colorado Primary Drinking Water Regulations.

3.8 Specific requirements for Fire Suppression System Contractors-Underground.

3.8.1 There are no special requirements for this registration

1. Participation as a student in a seminar related to fire suppression system conducted by a qualified organization, including but not limited to National Fire Protection Association, National Fire Sprinkler Association, American Fire Sprinkler Association, Oklahoma State University, National Fire Academy, or any other nationally recognized organizations approved by the administrator.	0.1 for each clock hour of attendance
2. Working for a minimum of five years in the fire sprinkler system industry as a designer and/or installer.	1.0 maximum annually
3. Active service on a committee or board service with a fire sprinkler association or organization.	0.5 per committee or board
4. Attendance at NFPA and/or ICC code development hearings related to fire sprinkler systems.	1.0 per hearing
5. Participated in an apprentice training program with fire suppressions system industry organizations, for a minimum of five years.	0.1 maximum annually
6. Has tested as a fire sprinkler contractor and holds a current license or certification issued by another state or local jurisdiction, subject to approval of the Division of Fire Safety.	1.0 maximum

~~3.5 Procedures for Registration Underground Contractor~~

~~In order to become registered as a fire suppression system contractor “underground”, the applicant must provide the administrator with all of the following documentation:~~

~~3.5.1 The applicant is a principal of the company as defined in Colorado Revised Statutes 24-33.5-1202 (8) and the company shall be recorded with the Colorado Secretary of State’s Office.~~

~~3.5.2 The contractor must complete all parts of the application and sign it. The “Application for Registration” is an official document legally binding the contractor to the provisions of Colorado Revised Statutes and all rules adopted by the administrator that pertain to the installation of underground fire lines.~~

~~3.5.3 The contractor must carry general liability insurance that includes products and completed operations coverage related to their industry. The documentation submitted must include inclusions and exclusions of coverage.~~

~~3.5.4 The registration is valid from the time of issue to December 31st of the current year, unless earlier revoked or suspended. It must be renewed annually, on or before January 31st of each year.~~

~~3.6 Procedures for Registration—Backflow Contractors~~

~~In order to become registered as a fire suppression system contractor—“Backflow”, the applicant must provide the administrator with all of the following documentation:~~

~~3.6.1 The applicant is a principal of the company as defined in Colorado Revised Statutes 24-33.5-1202 (8) and the company shall be recorded with the Colorado Secretary of State’s Office.~~

~~3.6.2 The contractor must complete all parts of the application and sign it. The “Application for Registration” is an official document legally binding the contractor to the provisions of Colorado Revised Statutes and all rules adopted by the administrator that pertain to the installation of backflow prevention~~

~~3.6.3 The contractor must obtain carry general liability insurance that includes products and completed operations coverage related to their industry. The documentation submitted must include inclusions and exclusions of coverage.~~

~~3.6.4 The registration is valid from the time of issue to December 31st of the current year, unless earlier revoked or suspended. It must be renewed annually, on or before January 31st of each year.~~

~~3.7 Procedures for New Registration—Multipurpose Contractor~~

~~In order to become registered as a Fire Suppression System Contractor—Multipurpose, the applicant must provide the administrator with all documentation specified in Sections 3.3 and 3.4 and all of the following information~~

~~3.7.1 The applicant shall be a principal of the company as defined in Colorado Revised Statutes 24-33.5-1202 (8) and the company shall be recorded and be listed in “good standing” with the Colorado Secretary of State’s Office.~~

3.9 Denial of Application

The Division may deny any application for registration for the following reasons:

1. False statements on the application form or in any of the attachments required for registration;

2. Failure to meet or complete all requirements specified within the application;
3. The applicant is currently barred from registration, certification, or licensure from another State agency, governing body, or local jurisdiction.
4. The applicant has been convicted of a crime which reflects upon the integrity of the applicant in operating within the capacity for which they are registered.
5. The applicant has been terminated from employment from a registered fire suppression contractor, fire authority, or other governing body for engaging in negligent or unsafe work or construction practices.

3.10 Registration renewal

RME's must demonstrate that they have maintained their appropriate certifications or licensure. Persons otherwise qualified must demonstrate CEU's in accordance with 5.2.

SECTION 4
FIRE SUPPRESSION SYSTEM INSPECTOR CERTIFICATION

4.1 Certification required

~~Colorado Revised Statutes 24-33.5-1206.4 requires that a~~ny installation, modification, alteration, or repair of a fire suppression system ~~shall~~must be approved by ~~a~~certified Fire Suppression Systems Inspectors. Each county, municipality, or special district that has fire suppression systems enforcement responsibilities ~~shall~~must, as needed, provide ~~a~~ certified fires suppression systems inspectors certified to the appropriate level.

Exemption: Inspectors of multipurpose residential sprinkler systems shall must meet the requirements of the State Board of Plumbing and are not regulated by the Division.

4.1.1 Individuals performing plan reviews on fire suppression systems other than residential sprinkler systems shall must be certified as Fire Suppression Systems Inspector-Plan Reviewer.

4.1.2 Individuals performing inspections on fire suppression systems other than residential sprinkler systems shall must be certified as Fire Suppression Systems-Inspector or Fire Suppression Systems Inspector-Plan Reviewer.

4.1.3 Individuals performing plan reviews or inspections for compliance of residential sprinkler systems shall must be certified as Fire Suppression Systems Inspector-Residential, Fire Suppression Systems-Inspector, or Fire Suppression Systems Inspector-Plan Reviewer.

4.3 Application Requirements

In order to become certified, each applicant must understand, agree and attest to the following:

4.3.1 That the applicant is employed by or volunteers for an authority having jurisdiction over the installation of fire suppression systems

4.3.2 That the applicant is responsible for inspection, testing, and/or plan review of fire suppression systems within that jurisdiction

4.3.3 That all information included on the application is correct.

4.3.4 That the certified individual will notify the Division within thirty days of any changes that occur in the information provided in the application.

4.3.5 That the certified individual will comply with all applicable codes and standards adopted by the Division and all codes, ordinances and resolutions adopted by municipalities, counties or fire protection districts for which they work.

4.3.6 That the certified individual will comply with Colorado Revised Statutes governing fire suppression systems, and all rules adopted by the Division.

4.3.7 That the certification is valid for three years from the time of issue, unless earlier revoked or suspended and must be renewed prior to expiration.

4.3.8 New applicants shall must submit a completed and notarized Affidavit of Legal Residency as required in 24-76.5-103(4)(b), C.R.S.

4.4 General Requirements for all Certifications

4.4.1 An inspector shall must apply for certification in a format provided by the Division. Application instructions are available on the Division's website (www.dfpc.state.co.us); from the Division's offices at 700 Kipling St, Suite 4100, Denver, CO 80215; or by telephone at 303-239-4100.

4.4.2 The applicant must submit the completed application along with the registration fee and all required supporting documentation prior to action by the Division. No cash payments will be accepted.

4.4.3 The application must be accompanied by a letter from the agency's chief executive or code official responsible for inspection and plan review of fire suppression systems attesting:

4.3.3.1 That the individual is currently employed by or volunteers with a county, municipality, special district, or state agency that has fire suppression system enforcement responsibility.

4.3.3.2 That the agency is responsible for fire suppression system enforcement in their jurisdiction.

4.3.3.3 That the individual has the responsibility to conduct fire suppression system plan reviews and/or inspections.

4.3.3.4 That the individual meets the qualifications (knowledge, skills and ability) to conduct fire suppression system plan reviews and/or inspections.

4.4.4 The applicant shall must provide evidence of certification, education and/or training directly related to plan review and/or inspections of fire suppression systems appropriate for the certification being sought. Courses shall must be taught by recognized organizations or institutions including, but not limited to:

(a) Regionally accredited post-secondary institutions

(b) National Fire Protection Association

(c) International Code Council

(d) National Fire Academy

(e) American Fire Sprinkler Association

- (f) National Fire Sprinkler Association
- (g) Sprinkler Fitters Local 669, Joint Apprenticeship and Training Committee
- (h) IFMA Fire Protection Institution
- (j) State chapters of organizations or institutions listed above

4.4.5 For applicants seeking reciprocity, submit evidence of current and valid certification from another state or jurisdiction which is determined by the Division to be at least equivalent to the requirements of the Colorado Fire Suppression Program.

4.4.6 Limitations /Permissible Activities

4.4.6.1 A Certified Fire Suppression Systems Inspector may not also be a registered contractor.

4.4.6.2 A Certified Fire Suppression Systems Inspector may not contract directly with a registered contractor, contractor, or building owner for the provision of inspection services.

4.4.6.3A certified inspector may contract directly, or through his employer, with one or more municipalities, counties, fire protection districts or other local authority having jurisdiction for the provision of inspection services.

4.52- Requirements for Fire Suppression Systems Inspector-Plan Reviewer

In order to become certified as a Ffire sSuppression Ssystems Iinspector-Plan Reviewer, a person must meet at least one of the following conditions:

4.52.1 Satisfactorily complete a Ffire Ssuppression Ssystems Iinspector-Plan Reviewer certification examination, administered by the Division of Fire Safety, by correctly answering at least 80 percent of the questions.

4.5.2 Possess current and valid inspector certification ~~accredited in accordance with NFPA 1031~~ issued by a nationally recognized organization which includes fire ~~protection-suppression~~ system plan review and inspection knowledge, ~~and demonstrate to the Administrator that they have successfully completed course work in fire suppression system plan review and inspection.~~ ICC Fire Inspector II or NFPA Certified Fire Inspector II certifications

--and--

Certified Fire Plans Examiner issued by ICC or NFPA meet this requirement.

4.5.3 Demonstrate to the ~~Administrator~~ Division that ~~they have~~ he or she has met equivalent qualifications, including education, training, and experience, in the categories of fire suppression, fire sprinkler, or life safety by submitting documentation to the Division.

A. Prerequisite Knowledge, Skill and Ability Required:

- (1) Plan review of fire ~~protection~~ suppression systems.
- (2) Understanding the application of NFPA Standards related to fire suppression systems.
- (3) Sprinkler system identification and components, including, but not limited to: quick response sprinklers; residential sprinklers; early suppression fast response sprinklers; and large drop sprinklers.
- (4) Sprinkler system installation requirements, including: spacing, obstruction rules, response time index and design densities.
- (5) Water supply and pressure requirements.
- (6) Hydraulic calculations.
- (7) Inspection, testing and maintenance procedures for: sprinklers, standpipes, private fire service mains, fire pumps, and valves and controls.
- (8) System impairment, notification and correction.
- (9) Flow test and fire pump testing procedures.
- (10) Understanding the application of Colorado Law for fire suppression systems.
- (11) Understanding the application of the International Building Code, International Residential Code, and International Fire Code to fire suppression systems.

B. Acceptable equivalent qualifications are:

- (1) Associate Degree or above in fire science technology or; fire prevention, ~~or other fire inspection major~~ from a regionally accredited post-secondary institution. Such degree must which includes at least 6 semester equivalent credit hours in fire prevention code enforcement, plan review, or suppression system design.
- (2) ~~A Colorado~~ Current registration ~~registered in Colorado~~ as an engineer specializing in fire protection.
- (3) ~~A e~~ Current registration as a NICET Level III or above in Water Based Layout.
- (4) At the Division's sole discretion, ~~E~~ evidence of completion of courses that directly relate to plan review and inspections of fire suppression systems delivered by a recognized organization or institution, including, but not limited to:
 - (a) Oklahoma State University
 - (b) National Fire Protection Association

- (c) ~~National Fire Academy~~
- (d) ~~American Fire Sprinkler Association~~
- (e) ~~National Fire Sprinkler Association~~
- (f) ~~IFMA Fire Protection Institute~~
- (g) ~~University of Maryland~~
- (h) ~~International Code Council~~ as identified in 4.4.4

4.52.4 Submit evidence of current and valid certification in another state or jurisdiction, which is determined by the Administrator Division to be at least equivalent to the requirements of the Colorado Fire Suppression Program.

4.6 Requirements for Fire Suppression Systems Inspector

In order to become certified as a Fire Suppression Systems Inspector, a person must meet at least one of the following conditions:

- 4.6.1 Satisfactorily complete a Fire Suppression Systems Inspector certification examination, administered by the Division.
- 4.6.2 Possess current and valid inspector certification ~~accredited~~ in accordance with NFPA 1031 issued by a nationally recognized organization- which includes fire suppression systems inspection knowledge. ICC Fire Inspector II or NFPA Certified Fire Inspector II certifications meet this requirement.
- 4.6.3 Demonstrate to the Division that he or she has met equivalent qualifications, including education, training and experience, in the categories of fire suppression, fire sprinkler, or life safety.

A. Prerequisite Knowledge, Skill and Ability Required:

- (1) Understand the application of NFPA Standards related to fire suppression.
- (2) Sprinkler system identification and components, including: quick response sprinklers, residential sprinklers, early suppression fast response sprinklers, and large drop sprinklers.
- (3) Sprinkler system installation requirements, including: spacing, obstruction rules, response time index and design densities.
- (4) Water supply and pressure requirements.
- (5) Inspection, testing and maintenance procedures for: sprinklers, standpipes, private fire service mains, fire pumps, and valves and controls.
- (6) System impairment, notification and correction.
- (7) Flow test and fire pump testing procedures.
- (8) Understand the application of Colorado Law for fire suppression systems.

(9) Understand the application of the International Building Code, International Residential Code, and International Fire Code to fire suppression systems.

B. Acceptable equivalent qualifications are:

(1) Currently registered as a NICET Level II in Water Based Layout.

(2) At the Division's sole discretion, evidence of completion of courses that directly relate to plan review and inspections of fire suppression systems delivered by a recognized organization or institution, as identified in 4.4.4.

4.6.4 Submit evidence of current and valid certification from another state or jurisdiction which is determined by the Division to be at least equivalent to the requirements of the Colorado Fire Suppression Program.

4.7 Requirements for Fire Suppression Systems Inspector-Residential

In order to become certified as a Fire Suppression Systems Inspector-Residential, a person must meet at least one of the following conditions:

4.7.1 Satisfactorily complete a Fire Suppression Systems Inspector-Residential certification examination, administered by the Division.

4.7.2 Possess current and valid inspector certification issued by a nationally recognized organization which includes residential fire suppression system plan review and inspection knowledge. ICC Fire Inspector II, ICC Residential Fire Sprinkler Inspector/Plans Examiner, ICC Residential Fire Sprinkler Design/Installation, or NFPA Certified Fire Inspector II certifications meet this requirement.

4.7.3 Demonstrate to the Division that he or she has met equivalent qualifications, including education, training and experience, in the categories of fire suppression, fire sprinkler, or life safety.

Prerequisite Knowledge, Skill and Ability Required:

(1) Understand the application of the NFPA 13D Standard related to the residential fire suppression industry.

(2) Sprinkler system identification and components, including: quick response sprinklers, residential sprinklers, freeze protection, pumps, water storage, and alarm devices

(3) Sprinkler system installation requirements, including: spacing, obstruction rules, response time index, pipe use, and design densities.

- (4) Water supply and pressure requirements including loss of pressure through water meters, cross-connection devices, and other appurtenances.
- (5) Inspection, testing and maintenance procedures for: sprinklers, fire pumps, expansion tanks, freeze protection systems, valves, and controls.
- (6) Flow test and fire pump testing procedures.
- (7) Understand the application of Colorado Law for fire suppression systems.
- (8) Understand the application of the International Residential Code, and International Fire Code to fire suppression systems.

Acceptable equivalent qualifications are:

- (1) Currently registered as a NICET Level II in Water Based Layout.
- (2) At the Division's sole discretion, evidence of completion of courses that directly relate to plan review and inspections of residential fire suppression systems delivered by a recognized organization or institution, as identified in 4.4.4.

4.7.4 Submit evidence of current and valid certification from another state or jurisdiction which is determined by the Division to be at least equivalent to the requirements of the Colorado Fire Suppression Program.

~~4.2 In all cases, the application must be accompanied by a letter from the agency's chief executive attesting to:~~

~~4.4.2 The individual is employed by a county, municipality, special district, or state agency that has fire suppression system enforcement responsibility.~~

~~4.4.3 The agency is responsible for fire sprinkler enforcement in their jurisdiction.~~

~~4.4.4 The fact that the individual has the responsibility to conduct fire suppression system plans reviews and/or inspections.~~

~~4.4.5 The individual's qualifications (knowledge, skills and ability) to conduct fire suppression system plan reviews and inspections.~~

~~4.4~~ Limitations on Certification/Permissible Activities

~~4.4.1~~ A certified fire suppression systems inspector cannot also be a registered contractor.

~~4.8.2~~ A certified fire suppression systems inspector cannot contract directly with a registered contractor for the provision of inspection services.

~~4.8.3~~ A certified inspector can contract directly with one or more municipalities, counties, fire protection districts or other local authority for the provision of inspection services.

4.8 Fire Suppression System Inspector Written Examinations

~~4.85.1~~ The wWritten eExaminations (if offered by the Division) shall will consist of multiple-choice questions derived from the Colorado fire suppression statutes ~~and~~ , rules, codes, and standards promulgated by the Administrator; as well as the codes and standards adopted by the AdministratorDivision.

~~4.85.2~~ Candidates must correctly answer eighty percent (80%) of the questions on the examination to become certified.

4.8.3 Candidates ~~that who~~ do not achieve a passing score may retake the examination after thirty (30) days have elapsed, ~~and~~ upon re-application and payment of the application testing fee.

4.9 Duration of Certification

~~4.97.1~~ FFire sSuppression sSystem inspector cCertifications is are valid for a period of three years from the date of issuance, unless earlier suspended or revoked.

4.9.2 Certified inspectors who are separated from employment may not perform plan review or inspection services unless they become employed with a new agency and provide a letter pursuant to Section 4.4.3.

4.10 Certification renewal. Renewal of certification is the responsibility of the certified individual. An individual who was certified as a Fire Suppression Systems Inspector prior to January 1, 2015 may perform all of the responsibilities of a Fire Suppression Systems Inspector ~~—~~Plan Reviewer until certification is expired. Upon application for renewal he or she will be certified as a Fire Suppression Systems Inspector ~~r~~ r—Plan Reviewer.

4.10.1 Renewal shall will require an application accompanied by the following:

4.7.1 A. A letter ~~from the agency's chief executive attesting to the fact that the individual has maintained the knowledge, skills and ability to continue to conduct fire suppression system plan reviews and inspections, and the fact that the individual continues to have the responsibility to conduct fire suppression system plans reviews and/or inspections, AND~~in accordance with section 4.4.3.

~~4.7.2 Certification renewal is contingent on meeting one of the following educational requirements during the certification period:~~

~~A Twenty four hours of continuing education relating to the field of fire protection including, but not limited to classes, seminars, and training conducted by professional organizations or trade associations; or~~

~~B. B Documentation to the administrator of 2.4 continuing education units (CEU's) relevant to the field of fire protection suppression as indicated in Table 4.10.1 by participation in educational and professional activities. CEU's will be granted for the professional development activities as depicted in the table below: (It is important to obtain documentation and keep records of each activity attended during the certification period).~~

~~C. Payment of the required renewal fee.~~

4.10.2 CEUs will be granted for professional development activities as indicated in table 4.10.2. Applicants are responsible to obtain certificates or other proof of attendance for each activity.

Table 4.10.2

1) Participation as a student in a seminar related to fire suppression systems conducted by a qualified organization. Including but not limited to National Fire Protection Association, National Fire Sprinkler Association, American Fire Sprinkler Association, Oklahoma State University and National Fire Academy Fire Marshals Association of Colorado training sessions etc. (See 4.4.4)	0.4 <u>0.1</u> per clock-hour of attendance
2) International Code Council Education Institute. Courses must be relevant to fire suppression systems (Because the certificate received at the institute does not break down the courses taken. The class breakdown received at the registration table is the documentation needed to receive credit for the ICC institute.)	0.1 for each <u>0.1</u> for each clock hour of attendance
3) Fire Code; or b) Building code overview classes	0.4 maximum Per course
<u>3) Active service on a committee or board with a fire sprinkler association or organization</u>	<u>0.5 per committee or board</u>
4) Attendance at NFPA and/or ICC code development hearings related to fire sprinkler <u>suppression</u> systems.	1.0 per three <u>3</u> -year period
<u>5) Completion of a college level course related to fire suppression systems offered through a regionally accredited post-secondary institution</u>	<u>1.0 per credit hour earned. 3.0 max per 3-year period.</u>

<u>6) Active certification by ICC or NFPA to the appropriate level.</u>	<u>1.5 per 3-year period</u>
<u>⇒7) Working as a certified fire suppression inspector, conducting plans review and/or inspections of fire sprinkler systems for at least one year during each renewal period (shall must be documented through a formal letter from agency's chief executive or code official responsible for inspection and plan review of fire suppression systems.)</u>	<u>1.0 per three 3-year period</u>

4.10.3 An inspector whose certification has lapsed may reapply within 60 days of certificate expiration, provided that they pay the required late application fee as well as the renewal fee. Inspectors who do not apply within 60 days of their certification expiration date will not be allowed to renew and must comply with the requirements of a new applicant.

~~B Obtain .8 CEU's relevant to the field of fire protection plan review and inspection AND satisfactory completion of a fire suppression systems inspector certification renewal examination if the conditions in Rule 4.6.2.A were not met.~~

~~4.7.3 Payment of the required renewal fee.~~

~~4.8 Municipalities, counties, fire protection districts and other state or local authorities employing certified fire suppression inspectors must maintain records of all plan reviews and inspections conducted by the inspector during the three year certification period. Said records shall be made available for review by the Administrator, upon request.~~

4.119 Inspectors must place their certification number on all completed inspection and plan registration forms review reports.

4.120 Denial of Application

The Division may deny any application for certification for the following reasons:

1. False statements on the application form or in any of the attachments required for registration;
2. Failure to meet or complete all requirements specified within the application;
3. The applicant is currently barred from registration, certification, or licensure by another State agency, governing body, or local jurisdiction.
4. The applicant has been convicted of a crime which reflects upon the integrity of the applicant in operating within the capacity for which they are registered.
5. The applicant has been terminated from employment from a registered fire suppression contractor, fire authority, or other governing body for engaging in negligent or unsafe work or construction practices.

SECTION 5
SPRINKLER FITTER REGISTRATION

5.1 Registration Required

No person shall may act, assume to act, or advertise as a Sprinkler Fitter who is not currently registered with the Division.

5.1.1 A Sprinkler Fitter shall may work on fire suppression systems only under the employ of a registered fire suppression system contractor. A Sprinkler Fitter may be self-employed provided that he or she is also registered as a fire suppression system contractor

5.2 Application Requirements

5.2.1 In order to become registered, applicant must submit the completed application along with the registration fee and all required supporting documentation prior to action by the Division. No cash payments will be accepted.

5.2.2 The applicant must provide proof of at least one of the following:

That he or she has successfully completed an accredited sprinkler fitter apprenticeship program recognized by the United States Department of Labor or state apprenticeship agency, in accordance with the requirements of 29 CFR 29.1 et seq, or other similar apprenticeship program approved by the administrator;

--or--

That the applicant is currently authorized to practice as a Sprinkler Fitter in another state or jurisdiction that has substantially similar or greater requirements than the requirements established in this rule;

--or--

That the applicant has documentary evidence demonstrating the performance of at least eight thousand (8,000) hours of practical work experience on fire suppression systems within the past five (5) years;

--or--

That the applicant can otherwise demonstrate similar competency as a Sprinkler Fitter as determined by the Division.

5.2.3 The applicant shall must attest that all information included on the application is correct.

5.2.4 The Sprinkler Fitter shall must notify the Division within thirty days of any changes that occur in the information provided including, but not limited to: a change in principal agent of the contractor; a change in address, telephone number, or e-mail address.

5.2.5 The Sprinkler Fitter will comply with Colorado Revised Statutes governing fire suppression systems; with all applicable rules, codes, and standards adopted by the Division; and with all codes, ordinances and resolutions adopted by municipalities, counties and fire protection districts in which they work.

5.2.6 The applicant shall may not perform any installation or maintenance work on a fire suppression system in Colorado until such time as their registration has been formally issued by the Division.

5.2.7 The applicant shall must pass a Division approved examination. In addition to tests offered by the Division, the following examinations are approved for compliance with the examination requirement:

- (a) STAR Fire Sprinklerfitting Mastery Exam
- (b) CSA Sprinkler Commercial On-site Competent Person Exam (ASCR2)
- (c) City of Denver's Fire Sprinkler Systems Installer Examination

Examinations specified in these rules taken to comply with another jurisdiction's registration requirements shall will be accepted by the Division if the exam was taken within one (1) year of the application date.

5.2.8 New applicants shall must submit a copy of their current State's driver's license or Colorado Identification Card.

5.2.910 Applicants shall must pay all fees associated with the registration.

5.3 Duration of Registration

The registration period for new and renewal registrations shall will expire on June 30th each year regardless of when the registration was issued, unless earlier suspended or revoked. There shall will be no pro-rating of registration fees. A grace period for renewal may be extended for thirty days after expiration, after which a late application fee will be assessed.

5.4 Registration Renewal

Renewal of certification is the responsibility of the certified individual.

5.4.1 Registrants requesting a renewal of their sprinkler fitter registration must complete an application, provide documented continuing education, and pay a renewal fee.

5.4.2 Registrants shall must document at least 2.4 continuing education units (CEU's) relevant to the field of fire suppression as indicated in Table 5.4.2

Table 5.4.2

<u>1) Participation as a student in a seminar related to fire suppression systems conducted by a qualified organization. (See 4.4.4)</u>	<u>0.1 per clock hour of attendance</u>
<u>2) Fire code or building code overview classes</u>	<u>0.4 maximum Per course</u>
<u>3) Attendance at NFPA and/or ICC code development hearings related to fire suppression systems.</u>	<u>1.0 max</u>
<u>4) Active service on a committee or board with a fire sprinkler association or organization</u>	<u>0.5 per committee or board</u>
<u>5) Completion of a college level course related to fire suppression systems offered through a regionally accredited post-secondary institution</u>	<u>1.0 per credit hour earned. 3.0 max</u>
<u>6) Work experience as a registered sprinkler fitter during the registration period (shall must be documented through formal letter from employer, contractor, project owner, steward, project manager, or business manager for whom the project was performed).</u>	<u>01. CEU per 100 hours worked. 1.6 max.</u>

5.4.3 In years that the division adopts a new edition of the fire code or standards, a sprinkler fitter shall will be required to provide proof of passing one of the examinations specified in 5.2.7. An additional fee will be assessed for those taking an ~~DFPC offered~~ exam offered by the Division.

5.4.4 Registrants whose registration has lapsed may reapply within 30 days of registration expiration, provided that they pay the required late application fee as well as the renewal fee. Registrants Fitters who do not apply within 30 days of their registration expiration date will not be allowed to renew and must comply with the requirements of a new applicant.

5.5 Denial of Application

The Division may deny any application for registration for the following reasons:

1. False statements on the application form or in any of the attachments required for registration;

2. Failure to meet or complete all requirements specified within the application;
3. The applicant is currently barred from registration, certification, or licensure by another State agency, governing body, or local jurisdiction.
4. The applicant has been convicted of a crime which reflects upon the integrity of the applicant in operating within the capacity for which they are registered.
5. The applicant has been terminated from employment from a registered fire suppression contractor, fire authority, or other governing body for engaging in negligent or unsafe work or construction practices.

SECTION 6
PLANS REQUIRED – INSPECTIONS FIRE SUPPRESSION CONTRACTOR
RESPONSIBILITIES

This Section identifies the responsibilities of fire suppression system contractors.

6.1 Credentials

6.1.1 Registered contractors shall must provide their registration number on all plan review applications and correspondence.

6.1.2 To ensure that only qualified persons are conducting plan reviews or inspections, the contractor shall must request the certification number of any local inspector reviewing or inspecting their job.

6.1.2.1 If in doubt, a contractor may verify a local person’s credentials on the Division’s website or by mail or phone (See Section 13).

6.2 Requirements for plan submittal

Suppression systems shall must not be installed or modified unless plans have been approved by a certified Fire Suppression System Inspector-Plan Reviewer in accordance with this section.

Exemptions:

- A. Pre-engineered range hoods and duct extinguishing systems.
- B. Any work defined as “plumbing” by the Colorado Board of Plumbing or CRS 12-58-102
- C. Any work described in this Rule that is conducted at any facility owned and operated by a mining company.

6.2.1 Plans, product data sheets, and hydraulic calculations shall must be submitted to the AHJ prior to the installation, fabrication, modification, or alteration of any fire suppression system in the State of Colorado.

Exemption:

1. Hydraulic calculations are not required for small projects unless, in the opinion of the AHJ, the hydraulic design of the existing system may be affected by the scope of work.
2. Hydraulic calculations are not required for residential, prescriptive pipe-schedule systems if designed in accordance with adopted standards.

6.2.2 If a local AHJ employs a Fire Suppression System Inspector-Plan Reviewer, required documents shall must be submitted in accordance with local rules.

6.2.3 If a local AHJ does NOT employ a Fire Suppression System Inspector-Plan Reviewer the required documents shall must be submitted to the Division for review.

6.2.3.1 Submittal requirements are posted on the Division's website. It is the contractor's responsibility to ensure that all necessary documents are provided before a review can commence.

6.2.3.2 Once reviewed and acted upon by the Division, the contractor shall must send one set of approved plans to the local AHJ.

6.2.4 Plans and hydraulic calculations must bear the signature of a P.E. or NICET level III or above. This signature attests that the plans have been reviewed and meet the intent of the standard.

Exemption:

3. No signature is required for small projects unless, in the opinion of the AHJ, the hydraulic design or integrity of the existing fire protection system may be affected by the scope of work.
4. Residential, prescriptive pipe-schedule design do not require a signature if in accordance with adopted standards.

6.2.5 Hydraulic Calculations

6.2.5.1 Flow tests on water supply systems must be less than one year old, unless approved by the Fire Suppression System Inspector-Plan Reviewer.

6.2.5.2 When calculating water supply requirements for new installations, deduct ten (10) percent to a maximum of (10) psi from the static and residual

pressure. Show the actual flow and reduction on hydraulic calculation sheets.

Exemption. 13D Systems (One and two family dwellings) unless required by the local authority having jurisdiction.

6.2.6 Special rules for small project submittals

6.2.6.1 In lieu of full-sized drawings, an AHJ may allow the submittal of a scale drawing of the proposed project on 8½ x 11 inch paper, including product data sheets, calculations, and all information required by the applicable NFPA standard. The certified fire suppression system inspector has the right to require additional information as may be necessary to fully evaluate the project.

6.2.6.2 A signed letter on the registered contractor's letterhead shall must be submitted explaining the scope of work and a statement that tenant finish, remodel, or additions do not affect the hydraulic demand design or integrity of the existing fire protection system

6.3 General requirements for installation of suppression systems.

6.3.1 One set of plans and product data sheets, approved by the certified fire suppression plan reviewer, shall must remain on the job site for use by the inspector. No deviations from the approved plans are allowed unless approved by the Fire Suppression System Inspector-Plan Reviewer.

Exemption: Minor modifications required to adapt to unexpected on-site conditions which do not affect a system's integrity or hydraulic design.

6.3.2 All components, including aboveground and underground piping must be accessible for inspection by a Fire Suppression Systems Inspector. Whenever any installation subject to inspection is covered or concealed prior to being inspected, the inspector shall must have the authority to require that such work be exposed for inspection.

6.3.3 A "Contractor's Material and Test Certificate for Aboveground Piping" or "Contractor's Material and Test Certificate for Underground Piping", as appropriate, must be completed with all test results documented and copies provided by the contractor to the owner and Fire Suppression Systems Inspector.

6.3.4 Required hydrostatic, operational, and flush testing shall must be witnessed and signed by a certified fire suppression system inspector. At the discretion of the inspector, all or part of the test may be witnessed by the general contractor or another responsible, independent party.

6.3.5 Contractors shall may not allow persons to work on fire suppression systems who are not registered with the Division as Sprinkler Fitters.

Exemptions:

- A. Persons who are enrolled in a Sprinkler Fitter apprenticeship program and are under the direct supervision and immediate presence of a registered Sprinkler Fitter.
- B. Persons working under the auspices of Fire Suppression Contractors-Underground, Fire Suppression System Contractors-Backflow, or Fire Suppression Systems Contractors- Residential.
- C. Persons performing only maintenance and repair on fire suppression systems.
- D. Persons working on residential plumbing appliances, fixtures, appurtenances, or multipurpose residential fire sprinkler systems in one- or two-family dwellings or townhomes.

6.3.6 Installation of underground fire protection system supply lines

6.3.6.1 Underground supply lines installed between the public water main and the fire protection system riser must be installed in accordance with NFPA Standard 24 or NFPA Standard 13, chapter 10, Underground Piping.

6.3.6.2 Underground supply lines shall must be installed by registered Fire Suppression Contractors-Underground.

6.3.6.3 The Fire Suppression Systems Inspector may require flushing of the aboveground sprinkler piping if required tests for the underground piping cannot be documented.

6.3.7 Installation of backflow preventers

6.3.7.1 Backflow preventers shall must be installed by registered Fire Suppression Contractors-Backflow.

6.3.7.2 For new installations, the backflow preventer may not be installed until Contractor's Material and Test Certificate for Underground Piping has been completed

6.4 Requirements for inspection, testing, and maintenance

Registered Fire Suppression System Contractors must complete and maintain inspection reports, in accordance with the applicable NFPA standard, for each inspection, test, or maintenance performed on any fire suppression system in the State of Colorado.

6.4.1 Such inspection reports shall must be maintained for a period of no less than five years or as required by a local AHJ, whichever is greater.

6.4.2 Copies of inspection reports must be submitted to the AHJ unless the contractor is notified in writing that they do not wish to receive such reports.

6.4.3 Records of inspections and inspection reports shall must be made available for review at the request of the Division or the local AHJ.

6.4.4 Systems installed, altered, or inspected after JanuaryJuly 1st, 20156 must have a color coded tag or collar physically placed on the system which identifies the responsible contractor by name, registration number, and contact information (phone number and address). Tags may only be removed by the responsible AHJ or shall must not be removed unless replaced by a licensedregistered suppression contractor or certified inspector who has done a subsequent inspection. Such tag must be placed and remain in the main or primary system control or riser room and must comply with the following parameters:

(A) New Installations and Alterations – ShallMust be marked with a White Tag of heavy cardboard or water resistant (plasticized) paper with the word “INSTALL” printed in all caps and in a font no smaller than 24 points on it. Such tag shall must be marked to show the date of the final acceptance of the system or alteration and the registration or certification number of the sprinkler fitter or inspector conducting the final acceptance test. These tags shall must remain attached to the system for the life of the system.

(B) Systems with No Deficiencies or Impairments - ShallMust be marked with a Green Tag of heavy cardboard or water resistant (plasticized) paper with the word “OPERATIONAL” printed in all caps and in a font no smaller than 24 points on it. Such tag shall must be marked to show the date of the inspection of the system and the registration or certification number of the fitter or inspector conducting the inspection test. These tags shall must remain attached to the system until replaced after the next inspection is conducted.

(C) Systems with a Deficiency - ShallMust be marked with a Yellow Tag of heavy cardboard or water resistant (plasticized) paper with the word “DEFICIENCY” printed in all caps and in a font no smaller than 24 points on it. Such tag shall must be marked to show the date of the inspection of the system and the registration or certification number of the fitter or inspector conducting the inspection test. These tags shall must remain attached to the system until replaced after the deficiency is repaired or the next inspection is conducted.

(D) Systems with an Impairment - Shall Must be marked with a RED Tag of heavy cardboard or water resistant (plasticized) paper with the word "IMPAIRMENT" printed in all caps and in a font no smaller than 24 points on it. Such tag shall must be marked to show the date of the inspection of the system and the registration or certification number of the fitter or inspector conducting the inspection test. These tags shall must remain attached to the system until all impairments have been corrected and the system has been re-inspected and found to be free of any impairments.

6.4.5 Records and reports of inspections, testing and maintenance shall must be maintained by the system owner, on the premises of the system, for a period of no less than 5 years. Such records must be made available for review at the request of the Division or the local AHJ.

6.4.6 Records of inspections, testing, or maintenance conducted outside of a full Inspection, Testing, and Maintenance Service shall must contain a notice to the system owner or responsible party advising of the limitations of the work conducted in relation to the overall responsibilities of the system owner.

6.4.7 Any contractor, fitter, or inspector who finds a fire suppression system with impairments shall must (within 24 hours) provide a copy of the reports or records associated with that finding to the local responding fire department and the appropriate AHJ for the suppression system.

6.5 Complaint reporting

6.5.1 Registered contractors and their employees who identify significant or repeated design or installation deficiencies or other violations of these rules by coworkers, other contractors, or certified suppression system inspectors or plan reviewers shall must report them to the Division in accordance with the complaint procedures identified in Section 10.

6.5.2 Contractors reporting such complaints shall must provide to the Division copies of submittal documents, inspection reports, photographs, and other evidence supporting the complaint.

6.5.3 Failure to report identified significant or repeated design or installation deficiencies or other violations of these rules may lead to disciplinary action against contractors and/or their employees.

~~6.1 — Every registered fire suppression system contractor must register all plans, along with product data sheets and hydraulic calculations prior to all installation, fabrication, modification, or alteration project of any fire suppression system in the State of Colorado. The plans and hydraulic calculations must bear the signature of a P.E. or NICET level III or above. This signature attests to the fact that the plans have been reviewed and meet the intent of the standard. The contractor must file the required documents for registration with the local authority that employs a certified fire suppression system inspector.~~

~~5.2 — If the local jurisdiction does not have a certified fire suppression inspector, the required documents for registration shall be filed with the Colorado Division of Fire Safety for review. When submitting to the Division, a minimum of three sets of plans and hydraulic calculations shall be provided. Once reviewed and acted on by the Division, one full set of plans must be sent to the local jurisdiction by the contractor.~~

~~5.3 — To ensure that only qualified inspectors are conducting plan reviews and inspections and to prevent jeopardizing contractor registration, the contractor shall determine that the inspector is certified by: (a) verify on the Colorado Division of Fire Safety's web site that an inspector holds a current and valid certification; (b) requesting the inspector's certification number; or (c) contacting the Division of Fire Safety to confirm that the inspector holds current and valid certification.~~

~~5.4 — Every registered fire suppression system contractor must complete and maintain inspection reports, in accordance with the applicable NFPA standard, for each repair, maintenance, and inspection performed on any fire suppression system in the State of Colorado.~~

~~5.4.1 — Such inspection reports shall be maintained for a period of no less than three years. Copies of the inspection report must be submitted to the local authority having jurisdiction, unless the contractor is notified in writing by the local authority that they do not wish to receive such reports.~~

~~5.4.2 — Records of inspection and inspection reports shall be made available for review by the Administrator.~~

~~5.5 — Fire Suppression System Installations:~~

~~5.5.1 — The above ground sprinkler piping must be visible and accessible for inspection by a certified fire suppression systems inspector, and approved prior to occupancy.~~

~~5.5.2 — A "Contractor's Material and Test Certificate for Aboveground Piping" must be completed with all above test results documented and copies provided to the owner and certified fire suppression system inspector by the contractor.~~

~~5.5.3 Fire Suppression Contractors Multipurpose shall provide, or demonstrate to a Certified Suppression Inspector, flow verification tests, commonly referred to as a bucket test, to confirm that the system's performance meets or exceeds the flow requirements as indicated by approved hydraulic calculations, manufacturer's specifications, or pretested limitations~~

~~5.6 Small Projects~~

~~5.6.1 Small projects are defined as any work involving the addition or relocation of less than 20 sprinkler heads. Completed work cannot have an adverse affect on the integrity of the existing fire protection system, including the hydraulic design.~~

~~5.6.2 A scale drawing of the proposed project on an 8 1/2 x 11 inch paper, including product data sheets, calculations, and all information required by the applicable NFPA standard may, upon request, be permitted for submittal to the certified fire suppression inspector in lieu of a full set of blue prints. The certified fire suppression system inspector has the right to require additional information as may be necessary to fully evaluate the project.~~

~~5.6.3 A signed letter on the registered contractor's letterhead explaining the scope of work, start and completion dates, and a statement that tenant finish, remodel, or additions do not affect the hydraulic demand design or integrity of the existing fire protection system is also required for submittal to the administrator or the local certified fire suppression inspector. The authority having jurisdiction may require hydraulic calculations.~~

~~5.6.4 If it is likely that the hydraulic design or integrity of the existing fire protection system has been affected by the scope of work, or if the owner, contractor, or authority having jurisdiction has concerns about the system integrity, a NICET Level III or above or a professional engineer review shall be required.~~

~~5.7 Underground Piping used for Fire Protection Supply Lines~~

~~5.7.1 The underground supply line installed between the public water main and the fire protection system riser must be installed in accordance with NFPA Standard 24 or NFPA 13 chapter 10, Private Fire Service Mains and their appurtenanees.~~

~~5.7.2 All underground supply lines shall be installed by registered underground contractors and shall be inspected by qualified inspectors. The hydrostatic and flush tests shall be witnessed and test papers signed by the local Authority Having Jurisdiction or the general contractor if approved by the local authority.~~

~~5.7.3 A copy of the "Contractor's Material and Test Certificate for Underground Piping" must be completed and provided to the fire sprinkler contractor, certified fire suppression system inspector and the owner by the installing contractor prior to connection of the fire sprinkler riser.~~

~~5.7.4 The Authority Having Jurisdiction may require flushing of the aboveground sprinkler piping if approved documentation of the required tests for the underground piping cannot be provided.~~

~~5.8 Additional Conditions~~

~~5.8.1 Flow tests on water supply systems must be less than one year old, unless approved by the certified fire suppression system inspector having jurisdiction.~~

~~5.8.2 When calculating water supply requirements for new installations, deduct ten (10) percent to a maximum of (10) psi from the static and residual pressure. Show the actual flow and reduction on hydraulic calculation sheets.~~

~~Exemption. 13D (One and two family dwellings) are exempt from 5.8.2 unless required by the local authority.~~

~~5.8.3 Design of residential multipurpose sprinkler systems shall account for all pressure losses through installed water meters and water treatment equipment.~~

~~5.9 Exemptions. The following projects are exempted from plan submittal, inspection, and approval requirements:~~

~~5.9.1 Pre-engineered range hoods and duct extinguishing systems.~~

~~5.9.2 Any work described in this Section 5 that is conducted at any facility owned and operated by a mining company.~~

SECTION 76 FIRE SUPPRESSION SYSTEM INSPECTOR RESPONSIBILITIES

This Section identifies the responsibilities of Fire Suppression System Inspectors and Plan Reviewers and the jurisdictions which employ them.

7.1 Credentials

7.1.1 Certified Fire Suppression Inspectors and Plan Reviewers shall must provide their certification number on all suppression system plan reviews, permits, and inspection reports.

7.1.2 To ensure that only qualified contractors are performing work on sprinkler systems, Plan Reviewers shall must require the registration number of any contractor submitting plans for review.

7.1.3 To ensure that only qualified Sprinkler Fitters are installing or modifying sprinkler systems, inspectors shall must require the registration number of the journeyman overseeing a project, prior to beginning an inspection.

7.1.4 Credentials may be verified on the Division's website or by mail or phone (See Section 13).

7.2 Requirements for plan review

Plan Reviewers shall must verify that submitted documents include all information necessary to ensure that plans are designed in accordance with the appropriate standards.

7.2.1 Plan Reviewers may ask for any additional information beyond that required by adopted standards when necessary to verify the effectiveness and appropriateness of a proposed sprinkler design.

7.3 Requirements for performing inspections

Inspectors shall must verify that work is performed in a workmanlike manner and in accordance with the approved plans.

7.4 Record keeping

Municipalities, counties, fire protection districts, and other state or local authorities employing certified Fire Suppression Systems Inspectors must maintain records of all plan reviews and inspections conducted by each inspector and plan reviewer during their three year certification periods and for at least three years after a project is completed, or in accordance with other applicable regulations or statutes, whichever is longer. Said records shall must be made available for review by the Division, upon request.

7.5 Complaint reporting

7.5.1 Certified Fire Suppression Systems Inspectors or Plan Reviewers who identify significant or repeated design or installation deficiencies or other violations of these rules by contractors, Sprinkler Fitters, coworkers, or other certified Fire Suppression Systems Inspectors or Plan Reviewers shall must report them to the Division in accordance with the complaint procedures identified in Section 10.

7.5.2 Certified Fire Suppression Systems Inspectors or Plan Reviewers reporting such complaints shall must provide to the Division copies of submittal documents, inspection reports, photographs, or other evidence supporting the complaint.

7.5.3 Failure to report significant or repeated design or installation deficiencies or other violations of these rules may lead to disciplinary action against the certified Fire Suppression Systems Inspectors or Plan Reviewer.

7.5.4 Fire Suppression Systems Inspectors or Plan Reviewers who are subject to complaints shall not retaliate in any way against a complainant. A finding of retaliation may lead to loss of certification.

SECTION 8 SPRINKLER FITTER RESPONSIBILITIES

This Section identifies the responsibilities of sprinkler fitters

8.1 Credentials

8.1.1 Registered Sprinkler Fitters shall must keep a copy of their State issued registration with them when performing work on a suppression system and shall must present it to a certified inspector or AHJ at their request.

8.1.2 Apprentices shall must keep a copy of their State issued registration with them when performing work on a suppression system and shall must present it to a certified inspector or AHJ at their request.

8.1.3 To ensure that only qualified Fire Suppression Systems Inspectors are performing plan reviews or inspections of fire suppression systems, sprinkler fitters may ask for their certification number.

8.1.4 Credentials may be verified on the Division's website or by mail or phone (See Section 13).

8.2 Requirements for installation, modification, and repair

8.2.1 A registered Sprinkler Fitter shall will be responsible to perform his or her duties in a workmanlike manner.

8.2.2 A registered Sprinkler Fitter shall must not leave a fire suppression system out of service in an occupied building without consulting with and meeting the fire watch requirements of the authority having jurisdiction.

8.2.3 Sprinkler Fitters shall will be responsible for the work of any apprentices under their authority. A Sprinkler Fitter may supervise no more than three apprentices at any one time. A Sprinkler Fitter shall must not leave apprentices unsupervised and shall must be immediately available on site.

8.3 Complaint reporting

8.3.1 Registered Sprinkler Fitters who identify significant or repeated design or installation deficiencies or other violations of these rules by contractors, other sprinkler fitters, coworkers, or certified Fire Suppression Systems Inspectors or

Plan Reviewers shall must report them to the Division in accordance with the complaint procedures identified in Section 10.

8.5.2 Registered Sprinkler Fitters reporting such complaints shall must provide to the Division copies of submittal documents, inspection reports, photographs, or other evidence supporting the complaint.

8.5.3 Failure to report significant or repeated design or installation deficiencies or other violations of these rules may lead to disciplinary action against the registered sprinkler fitter.

SECTION 9

CODES AND STANDARDS ADOPTED

~~6.1 All publications, standards or rules adopted and incorporated by reference in these rules are on file and available for public inspection during normal business hours by contacting the Colorado Division of Fire Safety, 9195 East Mineral Avenue, Centennial, CO 80112. All publications, standards or rules adopted and incorporated by reference in these rules may also be examined at any state publications depository library. This rule does not include later amendments to or editions of any materials incorporated by reference.~~

~~6.2 Questions, clarification, or interpretation of these rules should be addressed in writing to: Fire Suppression Program Administrator, Colorado Division of Fire Safety, 9195 East Mineral Avenue, Suite 234, Centennial, CO 80112.~~

~~96.13 The following codes and standards, including applicable addenda and appendices, are adopted by the Administrator Division for the design, installation, and maintenance of fire suppression systems within the State of Colorado.~~

~~Fire Suppression Program:~~

~~6.39.1.1 International Building Code, 2006-e2015 Edition, First Printing: May 2014 (Copyright 2014 by International Code Council, Inc. Washington, D.C.).~~

~~This code is published by the International Code Council (ICC), 5203 Leesburg Pike, Suite 600, Falls Church, VA 22041-3405. Copies of the incorporated material can be purchased from the ICC at the address shown above.~~

~~6.3.49.1.2 International Fire Code, 2006-e2015 Edition, First Printing: May 2014 (Copyright 2014 by the International Code Council, Inc. Washington, D.C.).~~

~~This code is published by the International Code Council (ICC), 5203 Leesburg Pike Suite 600, Falls Church, VA 22041-3405 Copies of the incorporated material can be purchased from the ICC at the address shown above.~~

~~6.3.59.1.3 International Residential Code, 2006-e2015 Edition, First Printing: May 2014 (Copyright 2014 by the International Code Council, Inc Washington, D.C.)~~

This code is published by the International Code Council (ICC), 5203 Leesburg Pike Suite 600, Falls Church, VA 22041-3405. Copies of the incorporated material can be purchased from the ICC at the address shown above.

9.1.4 International Wildland-Urban Interface Code, 2015 Edition, First Printing: May 2014 (Copyright 2014 by International Code Council, Inc.).

9.1.5 NFPA 101, Life Safety Code, 2012 Edition, First Printing: September 2011 (Copyright 2011 by National Fire Protection Association).

6.3.69.2- National Fire Protection S~~The following standards are adopted by the Division for the design, installation, and maintenance of fire suppression systems within the State of Colorado.~~

~~NFPA 1 — Uniform Fire Code, 2006 edition~~

NFPA 4 Standard for Integrated Fire Protection and Life Safety System Testing 2015 Edition (Copyright 2015 by National Fire Protection Association Inc.).

NFPA 11 Standard for Low, Medium, and High Expansion Foam ~~and Combined Agent Systems, 2005-2010 e~~Edition (Copyright 2009 by National Fire Protection Association Inc.).

NFPA 12 Standard for the Installation of Carbon Dioxide Extinguishing Systems ~~2005-2011 E~~dition (Copyright 2010 by National Fire Protection Association Inc.).

NFPA 12A Standard for the Installation of Halon 1301 Fire Extinguishing Systems, ~~2004-2009 edition~~Edition (Copyright 2008 by National Fire Protection Association Inc.).

NFPA 13 Standard for the Installation of Sprinkler Systems, ~~including all standards referenced in Chapter 10 and considered part of the requirements of this adoption, 2002 edition.~~ 2013 Edition, (Copyright 2012 by National Fire Protection Association Inc.).

NFPA 13D Installation of Sprinkler Systems in One and Two Family Dwellings and ~~Mobile—Manufactured Homes, 2002—2013 edition~~Edition (Copyright 2012 by National Fire Protection Association Inc.).

NFPA 13R Standard for the Installation of Sprinkler Systems

- in Low-Rise Residential Occupancies up to four stories in height, 2002–2013 edition Edition (Copyright 2012 by National Fire Protection Association Inc.).
- NFPA 14 Standard for the Installation of Standpipe and Hose Systems, 2003–2013 Edition (Copyright 2013 by National Fire Protection Association Inc.).
- NFPA 15 Standard for Water Spray Fixed Systems for Fire Protection, 2001–2012 Edition (Copyright 2011 by National Fire Protection Association Inc.).
- NFPA 16 Standard for the Installation of Deluge Foam-Water Sprinkler and Foam-Water Spray Systems, 2003–2011 Edition (Copyright 2010 by National Fire Protection Association Inc.).
- NFPA 17 Standard for Dry Chemical Extinguishing Systems, 2002–2013 Edition (Copyright 2013 by National Fire Protection Association Inc.).
- NFPA 17A Standard for Wet Chemical Extinguishing Systems Wetting Agents, 2002–2011 Edition (Copyright 2010 by National Fire Protection Association Inc.).
- NFPA 20 Centrifugal Fire Standard for the Installation of Stationary Pumps for Fire Protection, 2003–2013 Edition (Copyright 2012 by National Fire Protection Association Inc.).
- NFPA 22 Standard for Water Tanks for Private Fire Protection, 2003–2013 Edition (Copyright 2012 by National Fire Protection Association Inc.).
- NFPA 24 Standard for the Installation of Private Fire Service Mains and Their Appurtenances, 2002–2013 Edition (Copyright 2012 by National Fire Protection Association Inc.).
- NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2002–2014 Edition (Copyright 2013 by National Fire Protection Association Inc.).
- ~~NFPA 69 — Standard on Explosion Prevention Systems 2014 Edition~~ (Copyright 2014 by National Fire Protection Association Inc.).
- NFPA 72 National Fire Alarm and Signaling Code, 2002–2013 Edition (Copyright 2012 by National Fire Protection Association Inc.).

- NFPA 409 Standard on Aircraft Hangars, 2004–e2011 Edition (Copyright 2010 by National Fire Protection Association Inc.).
- NFPA 418 Standard for Heliports, 2011 Edition (Copyright 2010 by National Fire Protection Association Inc.).
- NFPA 423 Standard for Construction and Protection of Aircraft Engine Test Facilities, 2004–e2010 Edition (Copyright 2009 by National Fire Protection Association Inc.).
- NFPA 750 Standard on Water Mist Fire Protection Systems, 2003–e2015 Edition (Copyright 2014 by National Fire Protection Association Inc.).
- NFPA 1142 Standard on Water Supplies for Suburban and Rural Firefighting, 2012 Edition (Copyright 2011 by National Fire Protection Association Inc.).
- NFPA 2001 Standard on Clean Air Agent Fire Extinguishing Systems, 2004 e2012 Edition (Copyright 2011 by National Fire Protection Association Inc.)
- NFPA 2010 Standard for Fixed Aerosol Fire-Extinguishing Systems, 2015 Edition (Copyright 2014 by National Fire Protection Association Inc.)
- ~~NFPA 5000—Building Construction and Safety Code, 2006 edition.~~

~~These standards are published by the National Fire Protection Association, Batterymarch Park, Quincy, MA 02269, Telephone: (800) 344-3555. Copies of the incorporated material can be purchased from the National Fire Protection Association at the address shown above.~~

9.3 The Division shall will maintain copies of the complete texts of the adopted codes and standards, which are available for public inspection during regular business hours. Interested parties may inspect the referenced incorporated materials and/or obtain copies of the adopted codes for a reasonable fee by contacting the Fire and Life Safety Section Chief at the Division, 690 Kipling St, Lakewood, CO, and/or The State Depository Libraries. Copies of the adopted codes and standards are available from the organization originally issuing the codes and standards: the International Code Council, Inc., through the International Code Council Regional Office Bookstores, reached by calling 888-ICC-SAFE or on the web at www.iccsafe.org, and the National Fire Protection Association, reached by calling 800-344-3555 or on the web at www.nfpa.org.

9.4 In the event that a new edition of a code or standard is adopted, the code or standard

current at the time of permit application shall will remain in effect through the work authorized by the permit.

9.5 This rule does not include later amendments or editions of the incorporated material

Exemption: The Director shall have the authority to adopt by policy Tentative Interim Amendments (TIAs) issued by the promulgating body of the national code or standard that are determined to be necessary to ensure public health, safety, and welfare.

6.49.6 In the case of any conflicting requirements between any code and or standard adopted by the Administrator Division, the Administrator Division, in his-its sole discretion, shall will determine which provisions shall will apply.

9.7 Municipalities, counties, fire protection districts and other units of local government having the authority to do so, may adopt codes, standards, ordinances and/or resolutions governing the design and installation of fire protection-suppression systems that may be different than those adopted by the Administrator Division.

6.59.7.1 Municipalities, counties, fire protection districts and other local authorities employing certified fire suppression inspectors may enforce locally adopted codes, standards ordinances and/or resolutions governing the design and installation of fire protection-suppression systems, to the extent permitted by the adopting ordinance or resolution.

6.59.7.2 Conflicts between the codes and standards adopted by the Administrator and those adopted by a local government shall will be resolved in the following manner:

A. A. In cases where the local authority having jurisdiction employs certified fire suppression systems inspectors and plan reviewers, the local government requirements shall will prevail apply.

A.B. In cases where the local authority having jurisdiction employs certified fire suppression inspectors but the Division conducts plan reviews, the Division's adopted codes and standards shall will apply.

B.C. In cases where the local authority having jurisdiction does not employ certified fire suppression systems inspectors or plan reviewers and the Division's of Fire Safety conducts plan reviews and inspections, the more restrictive requirements shall prevail adopted codes and standards shall will apply.

SECTION 710 COMPLAINTS

This Section concerns the reporting, investigation, and resolution of complaints alleging violation of any provision of 24-33.5-1206 through 1206.7 C.R.S or the rules of this program.

~~This section concerns the receiving, investigating and acting upon complaints against any person who violates the provisions of Colorado Revised Statutes (C.R.S.) 24-33.5-1206.5 through 1206.6 or any rule adopted by the Administrator.~~

10.1 Complaints alleging violation of any provision of C.R.S. 24-33.5-1206.15 through 1206.76, or any rule adopted by the ~~Administrator~~ Division shall must be filed with the ~~Colorado Division's of Fire Safety, Fire Suppression Program Administrator & Life Safety Section Chief.~~ A complaint form may be accessed on the Division of Fire Safety's website or the complaint may be submitted to the Colorado Division of Fire Safety at 9195 East Mineral Avenue, Suite 234, Centennial, CO 80112.

10.1.1 The Division may act on anonymous complaints or those made by complainants who desire to remain anonymous. However, individuals submitting complaints should be aware that such complaints are public records and may be available to the public for inspection in accordance with the Colorado Public Records Act 24-72-201 C.R.S. et seq.

10.1.2 Individuals or companies certified or registered through the Division in accordance with Sections 3, 4, and 5 of these rules are required to report significant or repeated design or installation deficiencies, other violations of any provision of 24-33.5-1206.1 through 1206.7 C.R.S., or the rules of this program

10.1.7.2 The ~~Administrator~~ Fire & Life Safety Section (F&LSS) Chief will investigate or cause to be investigated the information contained in the complaint. If ~~proper~~ evidence can be found to substantiate that a violation of ~~C.R.S. 24-33.5-1206.5 through 1206.6 or current rules have~~has occurred, the ~~Administrator~~ F&LSS Chief will proceed pursuant to ~~C.R.S. 24-33.5-1204.5(1)(e)-10.2 through 10.8.~~

10.1.3 If the investigation identifies evidence of fraud or other criminal activity, a case will be referred to the law enforcement agency(ies) having jurisdiction. Referral does not prevent the Division from pursuing action under these rules.

10.1.4 Should ~~the Division~~Director ~~staff or the Administrator~~ determine that it is necessary to conduct a hearing, the Division ~~of Fire Safety~~ will utilize the services of the Colorado Division of Administrative Hearings to conduct a hearing in accordance with the Colorado Administrative Procedures Act (~~C.R.S. 24-1-101 et seq.~~ C.R.S.).

10.2 Penalties

~~Penalties and fines for violating any provision of C.R.S. 24-33.5-1206.5 through 1206.6 or these rules.~~

~~7.4.1 In addition to any other civil or criminal penalties that may be prescribed by a court of competent jurisdiction, Division staff or the Administrator The F&LSS Chief may assess a penalty and/or fine for any conduct determined, after investigation, to constitute a violation of these rules, that in the opinion of Division staff or the Administrator does not constitute an imminent threat to public health, safety, or welfare.~~

~~10.2.1 Such penalties and fines shall will be in addition to any other civil or criminal penalties that may be prescribed by a court of competent jurisdiction.~~

~~10.2.2 Nothing in these rules should be construed to understand that penalties must follow progressive discipline.~~

10.3 Warnings

A Warning may be issued to individuals and/or companies for a single, substantiated, violation of these rules which, in the opinion of the F&LSS Chief, does not rise to the level of a significant violation.

10.3.1 Examples of violations which may lead to a warning (list is not exclusive):

- 1) Failure to provide registration or certification number on documents as required in Sections 6 through 8;
- 2) Failure of a Sprinkler Fitter to maintain a copy of his or her registration on the job site;
- 3) Operating with an expired certification or registration (within the grace period).

10.3.2 Warnings will be delivered by e-mail to the address provided on the certification or registration application.

10.3.3 Warnings issued to Sprinkler Fitters or Fire Suppression Systems Inspectors will be copied to the registered contractor or local AHJ for which they work.

10.3.4 E-mailed warnings will be sent with a delivery receipt requested.

10.4 Letters of Admonition

A Letter of Admonition will be issued for a single, substantiated violation which, in the opinion of the F&LSS Chief, constitutes a significant violation but which does not constitute a threat to public health, safety, or welfare. Letters of Admonition may also be issued to individuals and/or companies receiving multiple warnings during any twelve month period.

10.4.1 Examples of violations which may lead to a letter of admonishment (list is not exclusive):

- 1) Receiving more than one warning during any twelve month period;
- 2) Failure to report significant or repeated design or installation deficiencies as required by 6.5, 7.5, or 8.3;
- 3) Operating with an expired certification or registration (outside of the grace period).

10.4.2 Nothing shall be construed to require subsequent violations be related to the nature of the previous violation.

10.4.3 Letters of Admonition will be delivered by certified mail to the address provided on the certification or registration application.

10.4.4 Letters of Admonition issued to sprinkler fitters or certified inspectors will be copied to the registered contractor or local AHJ for which they work.

10.5 Suspensions

A registration or certification may be suspended for a single, substantiated violation of these rules which, in the opinion of the F&LSS Chief, constitutes a serious violation but which does not constitute a serious threat to public health, safety, and welfare. Suspensions will also be issued to individuals and/or companies for repeated violations as indicated in 10.3 and 10.4.

10.5.1 Examples of violations which might lead to suspension (list is not exclusive):

- 1) Receiving a warning subsequent to receiving of a Letter of Admonition during the prior twelve month period;
- 2) Failure or refusal to stop work or leave a job site upon request of the certified inspector;
- 3) Failure to notify the Division of any changes that may affect the person's current registration or certification status;
- 4) Employment of non-registered sprinkler fitters by a registered contractor;
- 5) Expiration of a required, qualifying document or examination during the registration or certification period.

10.5.2 Nothing shall be construed to require subsequent violations to be related to the nature of previous violations.

10.5.3 Notices of suspension will be issued as Letters of Admonition in accordance with 10.4.

10.5.4 Suspensions shall be for a period of no more than 1 month or the remainder of the current registration or certification period, whichever is less.

10.5.5 Any violation which, in the opinion of the F&LSS Chief, constitutes a serious threat to public health, safety, or welfare shall will result in immediate suspension of a registration or certification pending a revocation hearing pursuant to 10.6 and 10.8.

10.6 Revocations

A registration or certification may be revoked for a single, substantiated violation of these rules which, in the opinion of the Director, constitutes a serious threat to public health, safety, and welfare. Registrations or certifications may also be revoked for repeated violations of 10.3 through 10.5.

10.6.1 Examples of violations which might lead to revocation (list is not exclusive):

- 1) Receiving a Letter of Admonition subsequent to a suspension within the prior twelve month period.
- 2) Fraud or material deception in obtaining or renewing a registration or certification;
- 3) Professional incompetence as manifested by poor, faulty, or dangerous workmanship;
- 4) Engaging in conduct that is likely to deceive, defraud, or harm the public in the course of professional services or activities;
- 5) Negligently performing any services regulated by the Division;
- 6) Retaliation by a certified inspector against a complainant;
- 7) Using another individual's or company's credentials to obtain or perform work regulated by these rules.

10.6.2 Nothing shall will be construed to require subsequent violations to be related to the nature of previous violations.

10.6.3 Notices of revocation will be issued as Letters of Admonition in accordance with 10.4.

10.6.4 Revocations shall will be for a period of no less than the remainder of the current registration or certification period or one (1) year, whichever is greater.

10.6.5 All revocations will be subject to immediate suspension of a registration or certification pending a revocation hearing pursuant to 10.8.

10.7 Fines

In addition to the penalties identified 10.4 through 10.6, the F&LSS Chief may assess a fine for any conduct determined to constitute a violation of these rules. The fines shall will be as follows:

- 1) A letter of admonition or suspension may be subject to a fine of not less than \$100 and not more than \$1,000.

- 2) A revocation shall be subject to a fine of not less than \$1,000 and not more than \$10,000.
- 3) Any subsequent violation of similar magnitude shall be assessed a fine of not less than \$1,000 and not more than \$10,000 and shall be subject to immediate suspension pursuant to a revocation hearing.

10.7.1 All fines collected pursuant to this rule shall be deposited in the fire suppression cash fund.

10.8 Hearings

-10.8.1 Authority to call hearings

10.8.1.1 The Director, at his or her discretion, may conduct a hearing to determine the facts of a complaint and to determine the appropriate penalty for a violation.

10.8.1.2 A hearing shall be conducted whenever a registration or certification is subject to revocation.

10.8.1.3 Any contractor, sprinkler fitter, or inspector who feels aggrieved by the decision, order, or actions of the Division in accordance with this Section may request a hearing.

10.8.2 All hearings shall be in accordance with the Colorado Administrative Procedures Act (C.R.S. 24-1-101 et seq.).

10.8.3 The decision, order, or actions of the Director following the hearing will be considered the final agency action.

10.8.4 Any contractor, sprinkler fitter, or inspector who feels aggrieved by the decision, order or actions of the Director following final agency action may seek judicial relief pursuant to the provisions of 24-4-106 C.R.S.

~~7.4.8 Any contractor who feels aggrieved by the decision, order or actions of Division staff or the Administrator may request a hearing in accordance with the Colorado Administrative Procedures Act (C.R.S. 24-1-101 et seq.).~~

~~7.4.9 Any contractor who feels aggrieved by the decision, order or actions of the Administrator following final agency action may seek judicial relief pursuant to the provisions of C.R.S. 24-4-106.~~

**SECTION 811
FEES AND CHARGES ESTABLISHED**

118.1 ~~The Colorado Division of Fire Safety will charge the following fees for s~~Services other than fire suppression system plan review and inspection fees:

11.1.1 Annual Registration of Fire Suppression

~~System Contractors \$100m~~
Contractors.....\$55

11.1.2 Sprinkler fitter – new application \$75

11.1.3 Sprinkler fitter – renewal application \$50

119.1.42 Replacement of lost or damaged registration or certification \$
~~registration & Certification.....\$510~~

~~8.1.3~~ Plan Registration Form Submittal (per submittal).....\$10

~~9.1.4~~ Plans and Hydraulic Calculations Review....\$25.00/hour (One hour minimum)

119.1.55 Plan reviews. Minimum fee, paid on submittal. \$300
~~(covers first 3 hours work)~~

11.1.56 Plan reviews, job site inspections, testing, or ~~t~~Technical assistance to other agencies including travel to and from job site
\$100/hr

Advanced Technical Support services:

~~Inspection or plan review (One hour minimum).....\$35/hour~~

119.1.677 Certification or Renewal of Fire Suppression

System Inspectors:

~~Document review.....~~
\$1530

Reciprocity of equivalent ICC or NFPA certifications \$10

11.1.788 Late renewal fee \$25

11.1.89 Examination (or review of reciprocal exam) \$30

119.1.9 ~~10~~Compliance inspection fee per ~~7~~ Compliance Inspection Fee per hotel or motel fire alarm and fire suppression system ~~Hotel or Motel Fire Alarm and Fire Suppression System.....~~
\$1050

11.2 Fire Suppression System plan review and inspection fees:

11.2.1 The pPlan review, construction permit, and inspection fees are calculated based on the Total Project Valuation.

A) The building inspection component of this fee in 11.2.4(A) includes one inspection per required signature line on the issued permit and inspection card. In the event that additional inspections by the Division are necessary or requested, additional fees may be assessed as outlined in 11.2.4.

B) The Fire and Life Safety inspection component of this fee in 11.2.4(C) includes one inspection per required signature line on the issued permit and inspection card. In the event that additional inspections by the Division are necessary or requested, additional fees may be assessed as outlined in 11.2.4.

C) Division inspection fees do not include costs associated with inspections conducted by local Authorities Having Jurisdiction or Third-Party Inspectors.

D) If the submitted Total Project Valuation appears to be below market value for the project, the Division reserves the right to request documentation from the permittee to verify the Total Project Valuation. The permittee has the right to mark documents submitted to verify the Total Project Valuation as proprietary information.

11.2.2 The Division will review the fund balance periodically and may reduce or increase the amount of the fee, if necessary, pursuant to section 24-75-402 (3) and 24-75-402 (4), C.R.S. Code of Colorado Regulations 20

11.2.3 A fee calculator posted on the Division website enables determination of total fees (plan review and permit fees) prior to submittal of a project. Additional inspections, beyond the included inspections, will be assessed a fee of \$400.00 per four-hour block of inspector time including travel. All applications received on or after July 1st, 2015 are subject to the fee structure in these rules. All prior fee structures are restructured pursuant to these rules.

A) Fees for Fire Suppression plan reviews by the Division:

a. Fees for projects with a Total Project Valuation of \$5,000.00 or less will be subject to a flat fee of \$800.00.

b. Fees for projects with a Total Project Valuation of greater than \$5,000.00 will be subject to a base fee of \$800.00 plus a fee equal to .0006 times the Total Project Valuation.

11.2.4 Half of the fees must be submitted prior to commencement of plan review and the remaining half must be submitted prior to permit issuance. Inspections will not be performed until the required fee has been paid. Additional inspection fees must be submitted prior to issuance of any associated Certificate of Compliance or completion of the permit.

11.2.5 The Division may assess a \$400 fee per four-hour block of inspector time including travel for each inspection or re-inspection when such portion of work for which the inspection is called is not completed or when corrections previously called for are not made. Upon request of the permittee, one re-inspection fee per project may be waived at the discretion of the Division. This re-inspection fee is intended to control the practice of calling for inspections before the work is ready for such inspection or re-inspection.

11.2.6 The Division may assess an additional off-hours inspection fee of \$200 for inspections requested outside of normal business hours.

A) Normal inspection hours are Monday through Friday between 8:00 am and 5:00 pm.

B) Off-hours inspections are scheduled on an "as-available" basis. The Division is not obligated to provide inspections outside of normal operating hours if an inspector is not available. ~~11.~~

118.72 The above fees and charges apply only for ~~Colorado Division of Fire Safety~~ services. Local jurisdictions having certified Fire Suppression Systems Inspectors ~~fire suppression system inspectors~~ may establish their own permit ~~fees~~, plan review and inspection fees, and other charges.

~~* Note: Job site inspections and testing will be based on actual time on site, with one hour minimum charge. Travel to and from job site will be based on the mileage formula of 40 miles of travel equals one hour.~~

SECTION 912 SEVERABILITY

912.1 If any provision of these rules and regulations or the application thereof to any person or circumstance is held invalid for any reason, the invalidity shall not affect the other provisions of these rules and regulations which can be given effect without the invalid provisions. To this end, all provisions of these rules and regulations are declared to be severable.

SECTION 1013 INQUIRIES

~~1013.1~~ Questions, clarification, or interpretation of these rules should be addressed in writing to: Fire ~~Suppression Program Administrator~~ & Life Safety Section Chief, Colorado Division of Fire ~~Safety Prevention and Control~~, ~~9195 East Mineral Avenue Suite 234, Centennial, CO 80112~~ ~~700 Kipling St, Suite 4100, Denver, CO 80215~~. Telephone number: (~~720~~303) ~~852-6735~~239-4100.