

**PLACER COUNTY  
OFFICE OF EMERGENCY SERVICES**

**MEMORANDUM**

**TO:** Honorable Board of Supervisors

**FROM:** Thomas Miller, County Executive Officer  
By Rui Cunha, Emergency Services Program Manager

**DATE:** October 10, 2006

**SUBJECT:** Ratification of Ordinance 8-2006, Proposed Amendments to the Fire Prevention Code of the Alpine Springs County Water District & Alpine Meadows Fire Department

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**ACTION REQUESTED**

That your Board ratifies Ordinance 8-2006 "Proposed Amendments to the Fire Prevention Code of the Alpine Springs County Water District & Alpine Meadows Fire Department" (attached), and directs staff to transmit your determination within 15 days.

**BACKGROUND**

The *Uniform Fire Code* (UFC) establishes minimum standards for protection of life and property from fire, explosion and hazardous materials release. By law, fire districts are authorized to enact stricter standards than those in the UFC, as well as those in state and local codes. As a result, the Alpine Meadows Fire Department (AMFD) has historically chosen to localize and supplement the UFC through enactment of its own Fire Prevention Code. This year's updated version (attached) of the Code has been reviewed and approved by the Placer County Building Department.

Your Board last approved amendments to the AMFD Fire Prevention Code in 2002. This AMFD ordinance, passed by the Board of Directors of the Alpine Springs County Water District on September 11, 2006 is an update, which, among other things recognizes the transfer of "Building and Development" from Chapter 4 to Chapter 15 of the Placer County Code. It also includes standardization of fire hydrant outlet threads, and an updated fee structure, for responses to fire or hazardous materials incidents the cause of which is determined to be due to a code violation.

The Fire Prevention Code is enforced by AMFD, and appeals are resolved and subsequently enforced by the Alpine Springs County Water District Board of Directors.

**FISCAL IMPACT**

There is no impact to the general fund as a result of this action.

**Attachment:**

Alpine Springs County Water District Board of Directors Ordinance 8-2006

# Ordinance 8-2006

## Proposed Amendments to the Fire Prevention Code of the Alpine Springs County Water District & Alpine Meadows Fire Department

Adopted September 11, 2006  
Prepared by Dave Ruben  
Prevention Battalion Chief, NTFPD

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**ALPINE MEADOWS FIRE DEPARTMENT  
ORDINANCE NO. 8-2006**

AN ORDINANCE ADOPTING THE FIRE PREVENTION CODE OF THE ALPINE MEADOWS FIRE DEPARTMENT, AS ADOPTED BY ORDINANCE 2-1999 AND 9-2002 INCLUDING AMENDMENTS TO THE PLACER COUNTY CODE, CHAPTER 15, AND PRESCRIBING REGULATIONS GOVERNING CONDITIONS HAZARDOUS TO LIFE AND PROPERTY FROM FIRE OR EXPLOSION, AND ESTABLISHING CERTAIN FEES.

BE IT ORDAINED BY THE ALPINE SPRINGS COUNTY WATER DISTRICT, AS THE GOVERNING BOARD OF THE ALPINE MEADOWS FIRE DEPARTMENT AS FOLLOWS:

1. This ordinance is hereby adopted as the Fire Prevention Code of this District in word and figures as follows.

**FIRE PREVENTION CODE**

**CHAPTER 1  
GENERAL PROVISIONS**

**1.1 FIRE PREVENTION CODE**

This constitutes the Fire Prevention Code (referred to as FPC) of the Alpine Meadows Fire Department, of which not less than three (3) copies have been and are now filed in the Office of the Clerk of the Alpine Springs County Water District.

**1.2 AMENDMENTS TO THE UNIFORM CODES**

There is hereby adopted by the Alpine Meadows Fire Department for the purpose of prescribing regulations governing conditions hazardous to life and property from fire, explosion, or hazardous materials release, amendments to that certain Code known as the Uniform Fire Code as amended by the State (referred to as the California Fire Code (CFC)), being particularly the 2001 edition thereof, and to that certain code known as the Uniform Building Code as amended by the State (referred to as the California Building Code (CBC)), published by the International Conference of Building Officials, being particularly the 2001 edition thereof, with modifications as adopted by the Board of Supervisors of Placer County on September 24, 2002, in Chapter 15 of the Placer County Code (referred to as PCC), and from the date on which this Ordinance shall take effect, the provisions thereof shall be controlling within the limits of the Alpine Springs County Water District.

1.3 Deleted (Ord. 2-99)

1.4 **DEFINITIONS:**

The following definitions apply to this code:

- a. **ALPINE MEADOWS FIRE DEPARTMENT** is a division of, and governed by, the Alpine Springs County Water District.
- b. **APPROVED** shall mean as accepted by the Fire Chief of said District or their authorized representative, or as approved pursuant to the standards now existing or hereafter adopted by the District.
- c. **CORPORATION** or **DISTRICT COUNSEL** - shall mean the attorney for the Alpine Springs County Water District.
- d. **DEPARTMENT** shall mean the Alpine Meadows Fire Department.
- e. **DISTRICT** shall mean the Alpine County Water District and all areas within the exterior boundaries thereof as now or hereafter established.
- f. **EXECUTIVE BODY** - shall mean the Board of Directors of the Alpine Springs County Water District.
- g. **FIRE CHIEF** shall mean the General Manager of the Alpine Springs County Water District or his/her duly authorized representative.
- h. **JURISDICTION** shall mean all areas within the Alpine Springs County Water District.
- i. **PERSON(S)** shall mean and include all persons, firms, associates, organizations, corporations, individuals or other agency.
- j. **SHALL** is mandatory and **MAY** is permissive.
- k. **SUBDIVISION** shall mean all legally constituted and adopted subdivisions hereinafter created or established within said District.

1.5 **ESTABLISHMENT OF LIMITS IN WHICH STORAGE OF EXPLOSIVES AND BLASTING AGENTS IS TO BE PROHIBITED.**

The limits referred to in the CFC, Section 7701.7.2, in which storage of explosives and blasting agents is prohibited, are hereby established to include all land areas within the Alpine Springs County Water District as follows: heavily populated

areas, principal business district, or congested commercial areas.

#### **1.6 FEES FOR PERMITS OR SERVICES**

The Fire Chief shall charge and receive such fees and charges for services and permits as set forth in the Schedule of Fees for Permits and Services, attached hereto as Appendix "B" and incorporated herein by reference.

#### **1.7 APPEALS**

The appeal process adopted in Article 15.04.040.c PCC shall be used and is reprinted in its entirety as follows for reference:

*In order to determine the suitability of alternate material and type of construction and to provide for reasonable interpretation of the provisions of this code, there is hereby appointed a Board of Appeals, consisting of the Board of Directors of each fire protection district for matters within their jurisdiction and the Placer County Building Board of Appeals in the remaining areas of the County. The Chief shall be an ex-officio member of the Board and shall act as secretary to the Board. The Board shall adopt reasonable rules and regulations for conducting its investigations and shall render all decisions and findings in writing to the Chief with a duplicate copy to the appellant and may recommend to the Executive Body such new legislation as is consistent therewith.*

#### **1.8 ABATEMENT OF UNLAWFUL CONDITIONS**

Any violation of the Fire Prevention Code or the fire code for Placer County shall be deemed a public nuisance. In the event that a public nuisance is not abated in accordance with the Fire Chief's order, or the order of the Board of Appeals, if any, the Fire Chief may, upon securing approval of the Board of Directors of the Alpine Springs County Water District, proceed to abate the nuisance by force account, contract, or any other method deemed most expedient by the Board. Cost of said abatement may be charged to the property in a manner provided in the Placer County Code or such other laws as may be applicable.

#### **1.9 PENALTIES**

No person shall violate any provision or fail to comply with any of the requirements of this Code. Any person violating any of the provisions or failing to comply with any of the requirements of this Code is guilty of an infraction unless otherwise noted and subject to bail as outlined in the bail schedule.

**1.10 REPEAL OF CONFLICTING ORDINANCE**

All former ordinances or parts thereof conflicting or inconsistent with this Ordinance are hereby repealed.

**1.11 SEVERABILITY**

If any section, subsection, paragraph, chapter, sub-chapter, sentence, clause, or phrase of this ordinance or any part thereof is for any reason held to be invalid by a Court or competent jurisdiction, such decision or determination shall not effect the validity of the remaining portions or provisions of this Ordinance or any part thereof.

**1.12 EFFECTIVE DATE**

Subject to notice and hearing as provide by Health and Safety Codes, Section 13869.7, this Ordinance and the Fire Protection Code Provisions adopted hereunder, shall become effective 30 days after its ratification by the Board of Supervisors of Placer County.

**1.13 CHANGE IN USE**

No change shall be made in the character of occupancies or use of any building which would place the building in a different division of the same group of occupancy or in a different group of occupancies unless such building is made to comply with the requirements of this Code.

**1.14 Deleted (Ord 2-99)**

**1.15 ELECTRIC GATES**

Any structure which has access controlled by an electric gate shall have a key operated override switch installed for fire department access. The switch shall be a Knox System type key switch with "Fire Department" decal.

**CHAPTER 2  
AUTOMATIC SPRINKLER SYSTEMS**

**2.1 PURPOSE**

The purpose of this Chapter is to supplement California Fire Code Section 1003.2.2 as adopted and amended by Placer County Code Section 15.04.04.F.

**2.2 LOCAL CONDITIONS**

The provisions of this Chapter are justified by local conditions, as more particularly set forth in the Resolution adopted by the Board of Directors prior to the enactment of the Fire Prevention Code of the Alpine Springs County Water District.

**2.3 PERFORMANCE CRITERIA**

This standard for an automatic sprinkler system is designed using the following performance criteria:

- A. To prevent flashover.
- B. To save lives immediately adjacent to the fire and limit internal structural damage to exposures.
- C. To confine the fire to the area of origin.
- D. To limit the number of fire personnel needed to combat a fire.
- E. All automatic fire extinguishing systems, standpipe systems, alarms, smoke and heat ventilators, smoke removal systems, hood and duct systems, or other fire and life safety systems or appliances shall be installed, inspected, tested and maintained to National Fire Protection Association (NFPA) standards, as published in the latest edition of the National Fire Codes. Copies of all inspection reports shall be provided to the District.

**2.4 BASIC REQUIREMENT**

- a. Placer County Code Article 15, section 15.04.040.F is amended for purposes of the Fire Prevention Code of the ALPINE SPRINGS COUNTY WATER DISTRICT, to read as follows:

"An approved automatic fire sprinkler system shall be installed, and maintained in operable condition throughout the entire structure, except as

specifically exempted by the California Fire Code, the National Fire Codes or, subject to the variance procedure of the California Fire Code, at the discretion of the Fire Chief, as follows:

1. Group A, Div's. 1, 2, 2.1, 3, 4: where the total floor area exceeds 0 square feet;
2. Group B: where the total floor area exceeds 0 square feet;
3. Group E: where the total floor area exceeds 0 feet;
4. Group F: Div's. 1 & 2: where the total floor area exceeds 0 square feet;
5. Group H: Div. 4 & 5;
6. Group I, Div's. 1.1, 1.1.1, 1.2, 2, 2.1, 3: where the total floor area exceeds 0 square feet;
7. Group M: where the total floor area exceeds 0 square feet;
8. Group R: Div's. 1, 2: where the total floor area exceeds 0 square feet; and
9. Group R, Div. 3: where the total floor area exceeds 0 square feet, provided that if there is an attached garage, it shall be fully sprinkled.
10. Group S Division 1, 2, 3, 4, 5 where total floor area exceeds 0 square feet.
11. Group U Division 1 where the total floor area exceeds 0 square feet.

All automatic fire sprinkler systems shall be of the anti-freeze type or other approved non-freezing (including air filled) type of system.”

Special consideration must be taken to ensure design criteria takes into account the harsh Alpine environment.

All other provisions of Placer County Code, Article 15, Section 15.04.040.F relating to required fire sprinkler systems remain unchanged.

b. Any building or complex of buildings, in which an automatic sprinkler system is installed, shall be provided with a Knox Box, mounted in an approved location, containing appropriate keys for fire department access. This section applies to all new installations and existing installations, as required by the Fire Chief.

## 2.5 APPLICATION TO NEW AND EXISTING STRUCTURES

a. The provisions of this Chapter, and or those requirements in the California Fire Code or Placer County Code Article 15 relating to automatic sprinkler systems shall apply to a structure, and the entire structure shall be made to comply with these provisions, under any of the following circumstances:

1. When; a building permit is issued for a new structure, or a new structure where no permit is required unless plans were previously approved by the District prior to the effective date of this chapter, or any structure found to have been constructed after the effective date of this chapter, without a permit when a permit would have been required; or

2. When; there is a change in use in all, or a portion, of an existing structure which would cause occupancy classification to change to a Group A, B, E-1, E-2, H, I, R-1, R-2.1, R-2.1A, R-2.2, R-2.2A; or

3. When; a building permit is issued to allow additions to be made to an existing structure so as to increase the Total Floor Area of the structure greater than fifty percent (50%) and the new Total Floor area is 3,600 square feet or greater for Group R, Div. 3 and 1,500 square feet for non Group R, Div. 3.

b. When, a building permit is issued to allow additions to be made to an existing structure so as to add 600 or more square feet, increasing the Total Floor Area of the structure less than fifty percent (50%), the entire structure shall be made to comply with these provisions:

1. An approved, supervised and monitored smoke/heat detection system shall be installed, and maintained in operable condition throughout the entire structure, except as specifically exempted by the California Fire Code, the National Fire Codes or, subject to the variance procedure of the California Fire Code, at the discretion of the Fire Chief.

2. Responsibility for installation, maintenance and monitoring of the system in operable condition shall be solely that of the owner of the structure. There is reserved to the District the right to request evidence of installation, supervision, or monitoring which may be certification by the owner or proof of existence of a monitoring and supervision contract with an alarm company on a current and ongoing basis.

The District assumes no responsibility for installation, maintenance, operation or monitoring of the system the same being solely that of the owner of the structure.

## 2.6 DEFINITIONS

The following definitions apply to this Chapter:

a. SINGLE FLOOR AREA is the area of any one floor, including internal circulation (halls, lobbies, stairways, elevator shafts, enclosed porches, balconies, attached garages, etc.), storage and equipment space, as measured to the outside

face of exterior walls; provided that if a room in a building has a sloping ceiling due to some structural component of the building, no portion of the room which measures less than five (5) feet from the finished floor to the finished ceiling shall be included in the computation of gross floor area in the building. Area separation walls (whether or not fire-resistive rated) shall not be considered to create separate buildings for purposes of this Chapter 2 of the Fire Protection Code of the Alpine Springs County Water District.”

b. TOTAL FLOOR AREA is the sum of all the single floor areas.

## CHAPTER 3 FIRE ALARM SYSTEMS

### 3.1 PURPOSE

The purpose of this chapter is to supplement the provision of CFC Article 10, Sec. 1006 and PCC Article 15.04.040.

### 3.2 DEFINITIONS

For the purpose of this article, unless otherwise apparent from the context, certain words and phrases used in this article are defined as follows:

- a. **VENDOR** shall mean any business operated by a person, firm, or corporation who engages in the activity of alerting, installing, leasing, maintaining, repairing, replacing, selling or servicing fire alarm systems.
- b. **APPROVED** shall mean accepted by the Fire Chief and in accordance with the requirements of the Underwriters Laboratories, Inc., the Factory Mutual Engineering Corporation, The National Bureau of Standards, the National Fire Protection Association, or the state Fire Marshal.
- c. **AUDIBLE ALARM** shall mean an alarm system, which when activated generates an audible sound on the premises.
- d. **FALSE ALARM** shall mean an alarm signal, either silent or audible, prompting a response to be made by the Fire Department when an emergency situation for which the alarm system was intended does not exist.
- e. **FIRE ALARM SYSTEM** shall mean any manual or automatic means of detecting fire, and transmitting alarms of fire from private premises and shall include all types of interior fire alarms systems and auxiliary fire alarm systems approved by the Department.
- f. **LOCAL FIRE ALARM SYSTEM** shall mean any fire alarm system designed solely to provide an alarm of fire within the protected premises.
- g. **SUBSCRIBER** shall mean a person who owns or leases property or premises on which an alarm system has been installed or is proposed to be installed or who contracts or proposes to contract with an alarm business for the leasing, servicing, or maintaining of an alarm system, and who has or will have the authority to cause the alarm system to be serviced, repaired, or removed after the system is installed.

### 3.3 FIRE ALARMS REQUIRED

For purposes of the Alpine Meadows Fire Department Fire Prevention Code, Placer County Code Article 15, section 15.04.040 (g) is amended to read as follows:

All valves controlling the water supply for automatic sprinkler systems and water-flow switches on all sprinkler systems shall be electrically supervised. Valve supervision and water-flow alarm and trouble signals shall be distinctly different and shall be automatically transmitted to an approved central station, including Group R Division 3 when a sprinkler system of more than 100 heads is installed.

### 3.4 FIRE ALARMS REGULATED

All fire alarm systems installed or maintained in the Alpine Meadows Fire Department shall be installed and maintained in accordance with the requirements of this article.

- a. All devices and equipment shall be constructed, installed and maintained in conformity with National Fire Protection Association Standard 72 for central station signaling systems. All smoke detectors as required in the California Building Code for residential structures shall be interconnected so as to sound an alarm throughout the entire structure should a single detector be activated.
- b. Complete plans for any fire alarm installation, including, but not limited to, specifications, wiring diagrams, and floor plans, may be required by the Fire Chief, and when required, shall be submitted for review prior to the installation of such systems.
- c. All fire alarm systems shall be supervised in a manner acceptable to the Fire Chief.
- d. Upon recommendation of the Fire Chief, the Board of Directors may adopt by resolution such additional rules and regulations relating to the installation, maintenance, and use of fire alarm systems as are consistent with good practices.
- e. Every required fire alarm system shall be maintained in good working order and shall be repaired and/or restored to such within twenty-four (24) hours after activation or failure.
- f. Any building or complex of buildings with an automatic fire alarm system shall be provided with a Knox Box, mounted in an approved location, containing appropriate keys for fire department access. This section applies to all new installations and existing installations as required by the Fire Chief.

### **3.5 FIRE ALARM VENDOR REGULATIONS**

- a. Upon demand, each vendor shall provide the Fire Chief with the address of each building, place, or premises within the District for which the permittee sells or installs a fire alarm system.
- b. Each vendor who installs or services a fire alarm system shall clearly instruct the subscriber in person, and in writing, in the proper use and operation of the fire alarm system, especially those factors which could cause false alarms.
- c. A vendor at all times shall maintain its equipment in good state of repair at no cost to the Department.
- d. Any person, firm or corporation providing service under the authority of this article shall provide repair service to its subscribers within twenty four (24) hours after notification that there is trouble with the fire alarm system, or the system has malfunctioned.
- e. Each vendor shall display to the Fire Chief, upon request, the permittee's records of inspection and repair of any fire alarm system.
- f. Each vendor shall notify the monitoring center whenever a subscriber's fire alarm system is under service or repair.

### **3.6 PUBLIC NUISANCES**

Any fire alarm system installed, operated, or maintained in violation of any of the provisions of this articles hereby declared to be a public nuisance and may be abated in accordance with the provisions of this Code or of State laws authorizing the abatement of public nuisances.

### **3.7 VIOLATIONS**

It shall be unlawful for any person to install, operate, or maintain any fire alarm system in violation of any of the provisions in this chapter, national standards or other regulations provided for such system.

**CHAPTER 4**  
**STORAGE OF FLAMMABLE LIQUIDS IN ABOVE GROUND TANKS/VAULTS**

**4.1 PURPOSE**

The purpose of this chapter is to supplement PCC section 15.04.040 and CFC Article 79, relating to the storage of combustible and flammable liquids in above ground storage tanks/vaults.

**4.2 STORAGE**

When permitted by the Fire Chief, all aboveground tank or vault installations for the storage of Class I, II or III flammable and combustible liquids shall comply with those requirements as set forth by Appendix II-F of the CFC. This appendix shall also apply to installations other than motor vehicle fuel-dispensing stations, where above ground storage is required.

Storage shall be prohibited in those areas listed in Placer County Code, Article 15.04.040(K)

**CHAPTER 5**  
**LIQUIFIED PETROLEUM & NATURAL GAS INSTALLATIONS**

**5.1 PURPOSE**

To supplement CFC Article 82, N.F.P.A. 54, & CPC

**5.2 ESTABLISHMENT OF LIMITS IN WHICH STORAGE OF LIQUIFIED PETROLEUM GAS IS RESTRICTED**

The limits referred to in Section 8204.2 of the CFC, in which storage of liquefied petroleum gas is restricted, are hereby established to include all land areas within the Alpine Springs County Water District as follows: Heavily populated areas, principal business district, or congested commercial areas.

**5.3 DEFINITIONS**

The following definitions apply to this chapter:

a. **INSTALLATION** shall mean a storage tank designed for the containment of liquefied petroleum gas, or meter assembly regulating natural gas, for use by a customer for residential, commercial, or industrial purposes, together with appurtenant pipes, risers, gauges, and related equipment.

b. **LPG** - Liquefied petroleum gas.

c. **SUPPLIER** shall mean any person or business, which sells, at retail, LPG, or any company, which supplies natural gas, for residential, commercial or industrial use.

d. **INTERRUPTION OF SERVICE** (shall only apply to LPG installations) shall mean the service shall be considered to be interrupted whenever service is discontinued because of hazardous condition, change in size or type of service, whenever the tank, meter, regulator(s), valve or other exterior service supply components are removed, replaced, or repaired, whenever the service is relocated, whenever the building, tank piping or components are damaged to the extent that the servicing utility, fire or building department considers the service to be potentially hazardous.

Normal refilling of an empty or partially empty tank, and routine maintenance of interior appliances, shall not be considered as an interruption of service.

## 5.4 REQUIREMENTS FOR NEW INSTALLATIONS

The requirements of this chapter shall apply to all new installations.

### 1. Requirements for LPG installations.

a. A permit may be required under CFC Section 105.8.1.1.

b. Two stage regulator systems shall be installed on all LPG installations in accordance with manufacturer's instructions. All first stage regulators and connecting pigtails shall be installed under a protective valve cover on tank. All regulators installed under this cover shall be listed and approved for this use and position of mounting. A connector providing flexibility shall be used to connect the first stage regulator to the main service valve on the tank. All copper pigtails shall be internally tinned and use only forged flare nuts.

c. The riser from the yard piping shall be a minimum of schedule 40 and shall be located not more than 3 inches horizontally from the walls of the tank, and swing joints will be used above and below tank level to provide for tank movement (street elbows shall not be used). An approved flexible alternative is preferred in lieu of ridged steel pipe for the tank riser. This shall include but not be limited to plastic (PE), copper tubing, stainless steel. ALL FLEXIBLE MATERIAL USED FOR THE TANK RISER SHALL BE SHEATHED IN AN APPROVED STEEL COVER FOR PROTECTION. As swing joints are eliminated in an approved flexible alternative, sufficient slack must be maintained to allow for tank movement and/or expansion and contraction of the alternative material. All plastic pipe shall be buried at least 18" below finished grade. An electrically continuous corrosion resistant tracer wire (min AWG 14) or tape shall be buried with the plastic pipe to facilitate locating. One end shall be brought above ground at the building wall or riser and the other end shall be brought above ground at the tank.

d. The second stage regulator and riser pipe shall be installed on the gable end of the building, as close as practical to the building wall, unless this is not feasible due to structural or topographical constraints. An approved gas shutoff valve rated for a minimum of 125 PSI shall be installed immediately prior to the second stage regulator. An approved gas shut off sign or other identifier shall be installed directly above the gas shut off valve, on the building in a visible location within three (3) feet of the eaves of the roof or roof line if no eaves are present. If the second stage regulator or a combination first/second stage regulator is used at the tank, then an approved gas shut off valve shall be located at the building.

e. A protective cover shall be installed over the second stage regulator and meter (if installed) at the building. The minimum design for the protective cover shall be equal to, or greater than, the Building Design Load (determined by the building department), and shall be securely supported to the ground or diagonally to the building wall. When supported to the ground, the footing for the supports shall be founded 6 inches below finished grade. Pre-cast concrete piers may be used in lieu of poured footings, provided they are placed on stable soil. If second stage regulator/meter assemblies could be subject to vehicle damage, then minimum of 3" steel crash post filled with concrete shall be installed for protection. Crash posts shall have a minimum depth in the ground of 24", embedded in concrete.

Observation and inspection, if any, by the Department shall not constitute an approval of the work of installation of the aforementioned protective cover, nor shall it be deemed to create any liability or responsibility on the part of the District for the design or construction of the protective cover, nor to any third party or entity whatsoever.

f. The riser pipes for the yard piping shall not be embedded in concrete, asphalt or other rigid substance. Such substance placed around a riser shall be held back at least 1 inch from all sides of the pipe. All exposed exterior gas piping used for runs along walls or roofs shall be minimum schedule 40 steel pipe supported and secured by approved straps at intervals not to exceed four (4) feet.

g. At the time of application by any person for a permit to install an L.P.G. system as required by CFC Article 1, section 105.8.1.1, the applicant shall submit a L.P.G. plot plan to the Department for approval and shall contain the following:

1. Stamp of approval of the prospective L.P.G. supplier.
2. Tank location showing distances to structure and edge to edge of pavement or other identifying mark.
3. Tank capacity in US gallons.
4. Location of riser pipe at building.
5. Property boundaries.
6. An outline of all existing/proposed buildings on the lot and a depiction of the roof ridge line of any building to be supplied with LPG

h. LPG tanks shall be permanently marked by a square or other approved equal stake of wood or other material with a minimum dimension of 2" X 2" or a cross sectional width of 2", nominal lumber.

Such stakes shall be of sufficient height to rise above the anticipated snow depth, with the minimum height being 10 feet. The snow stakes shall be yellow in color and will be placed on the opposite side of the tank from the riser, and directly opposite the tank valves. The top six inches of the stake shall be painted in the supplier's color. The side of the stake adjacent to the tank shall continue the supplier's color a minimum of 18 inches from the top of the stake.

Installation and maintenance of all tank stakes shall be the responsibility of the LPG supplier. No tank shall be filled or serviced unless staked as provided in this chapter.

The designated supplier stake colors shall be those listed in Appendix A.

i. Any supplier supplying propane to a tank must affix a label or other means of identification to the inside of the tank valve protective cover. The label or other device must be waterproof and contain the supplier's name and emergency telephone number.

j. All LPG tanks shall be placed on approved concrete supports. Acceptable tank supports shall include, but not be limited to: Pre-cast reinforced concrete pads, reinforced concrete slab, or pre-cast reinforced concrete saddles. Use of un-reinforced cinder building blocks is specifically prohibited.

If saddles are used they shall contact a minimum of 110 degrees of the tank circumference. Asphalt impregnated felt of not less than 3/8" thickness shall be installed between the container and the concrete saddle.

Supports may be poured in place in lieu of prefabricated supports. If poured in place it shall be a minimum of 4 inches thick and reinforced with not less than WWF 6X12, W16 by W26 or 4 #3 rebar in each direction.

**In areas where tank may be subject to shifting snow, unstable ground or other hazardous condition, the Fire Chief may require additional tank supporting, securing or protection.**

## **2. Requirements for natural gas installations.**

a. The meter assembly shall be installed on the gable end of the building, as close as practical to the building wall, unless this is not feasible due to structural or topographical constraints.

b. A protective cover, designed to be equal to or greater than the Building Design Load (determined by the building department), approved by the supplier, shall be installed over the meter assembly, securely supported to the ground or diagonally to the building wall.

When supported to the ground, the footing for the supports shall be founded 6 inches below finished grade. Pre-cast concrete piers may be used in lieu poured footings, provided they are placed on stable soil.

## 5.5 REQUIREMENTS FOR EXISTING INSTALLATIONS

The provisions of this subsection shall apply to any existing installations when such installation is subject to retrofit or the interruption of service.

### 1.1 Installations in non-compliance with this ordinance.

No supplier shall provide LPG service to any non-conforming installation or any installation that has been marked or "Red Tagged" by the department.

### 1.2. Requirements for existing LPG installations.

a. Installations shall be brought into conformance with section 5.4 with the exception of sections 5.4 (a).

Should a problem arise which requires multiple site inspections by this Department, a fee may be charged to the supplier for those inspections.

b. If it is impractical to install swing joints below grade due to existing concrete or other constraints, swing joints shall be installed above ground.

### 2.1 Requirements for existing natural gas installations.

a. Installations shall be brought into in conformance with sections 5.4.2 (b).

## 5.6 VIOLATIONS

a. It shall be unlawful for a LPG supplier to provide service to a LPG installation, which does not comply with the provisions in section 5.4 or 5.5.

b. Failure by the customer to provide a cover as required for a natural gas meter assembly is a violation of this code and may subject the customer to a fine.

**CHAPTER 6  
ON-SITE FIRE PROTECTION FACILITIES**

**6.1 PURPOSE**

The purpose of this Chapter is to supplement CFC Article 9 & 10, and PCC Article 15.04.040 by providing additional regulations concerning on-site water mains, fire hydrants, and related facilities.

**6.2 DEFINITIONS**

The following definitions apply to this Chapter:

a. **APPROVED** shall mean as accepted by the Fire Chief of said Department or his authorized representative, or as approved pursuant to standards now existing or hereafter adopted by the Insurance Services Offices as the same as may be applicable to said Department and areas therein.

**6.3 FIRE HYDRANTS AND LOCATION THEREOF**

a. Prior to the installation of any fire hydrant, the location thereof shall first be approved by the Fire Chief.

b. All fire hydrants so installed, and to be maintained hereunder, must be of frost-proof type; approved by Alpine Meadows Fire Department.

**OUTLETS:** Two 2-1/2", one 4-1/2" NST (**National Standard Thread**). *Effective January 1, 2007, the steamer (pumper) nozzle shall be compatible with 5" Storz hose coupling. The steamer nozzle shall be an integral part of the hydrant and furnished by the manufacturer or authorized distributor.*

c. Each fire hydrant shall be installed in a public street or road unless otherwise approved, and shall have a gate valve distance between fire hydrants as required in PCC Article 15.04.040 (m). Street valves shall be located no closer than five (5) feet from the hydrant unless otherwise approved. Minimum size of main or branch for hydrant shall be six (6) inches including street valve.

d. Whenever possible, fire hydrants shall be installed on the downhill side, or fill side, of the road or street. At four-way intersections of any road or street, where there are no drainage ditches or similar obstructions, a hydrant shall be installed on the corner and the steamer or 4-1/2" outlet shall be directed toward the center line of the intersection. Guard posts or ballards shall be installed when necessary as required by the Fire Chief and shall include a receptacle for a snow stake as required by the Department.

- e. All dead end mains shall be avoided and looped.
- f. The developer shall submit to the Fire Department a set of water improvement plans showing that the development will be provided with a water system for firefighting, and proper fire flows prior to the submission of a final map to the County of Placer. The Fire Department shall have fifteen (15) days in which to act upon such water improvement plans. Plans shall show the location of hydrants, size of mains, location and storage capacity.
- g. All fire hydrants installed must meet the height specifications heretofore: the lowest outlet must be a minimum of thirty (30) inches and a maximum of forty-two (42) inches from finished grade level at the base of the fire hydrant.
- h. Any new hydrant or any hydrant which is repainted shall be painted *Federal Safety Yellow or approved equivalent* color. The Department may at its option additionally require that each hydrant then be color coded as to flow per National Fire Protection Association standards. When installed any guard post or ballard shall be painted the same base color as the hydrant, which it protects.

#### 6.4 DETERMINATION OF FIRE FLOW

Determination of required fire flow shall be as set forth in Appendix III-A and Appendix III-AA of the CFC.

#### 6.5 OBSTRUCTION OF FIRE PROTECTION EQUIPMENT

In addition to those requirements set forth in CFC Section 1001.7, No person shall place, push or dump snow on or around any fire hydrant or fire department connection, and a minimum of fifteen (15) foot clear space shall be maintained to the front and sides of any hydrant or fire department connection.

**CHAPTER 7  
HAZARDOUS MATERIALS**

**7.1 PURPOSE**

The purpose of this Chapter is to supplement CFC Article 80.

**7.2 LIABILITY FOR DAMAGE**

Any damages or cost resulting from the careless handling, spill or discharge of any hazardous materials shall constitute a debt against any such person, firm or corporation causing said spill or discharge. This debt is collectible by the Fire Chief in the same manner as in the case of an obligation under contract, expressed or implied.

**CHAPTER 8  
LIABILITY FOR DAMAGE**

**8.1 PURPOSE**

To provide a means of cost recovery incurred by the Department.

**8.2 EXPENSES FOR FIREFIGHTING, RESCUE, HAZARDOUS MATERIAL, OR OTHER ACTIONS**

The expenses incurred as the result of any Fire, Rescue, or Hazardous Materials Incident, or other actions, which is the result of a violation of this Code, Placer County Code, Federal or State law, is a charge against the person whose violation of this Code, Placer County Code, Federal or State Law caused the fire, rescue, or hazardous material incident. Damages caused by such fire, rescue, hazardous material incident shall constitute a debt of such person and are collectible by the Chief, in the same manner as in the case of an obligation under a contract, expressed or implied. Such monies as may be recovered under this section shall revert to the Department General Revenue Fund.

The following table reflects the current emergency charges for the Department personnel and apparatus:

<b>PERSONNEL</b>	<b>HOURLY RATE</b>
Fire Chief	\$75.00
Other Chief Officer	65.00
Captain	55.00
Firefighter	40.00
Paramedic	45.00
Mechanic	55.00
Fire Prevention Tech I/II	40.00

<b>EQUIPMENT</b>	<b>HOURLY RATE</b>
Aerial Apparatus	\$175.00
Type 1, 2, or 3 Engine	150.00
Water Tender	125.00
Ambulance	100.00
Loader	75.00
Utility Vehicle	50.00
Staff Vehicle	50.00

**CHAPTER 9  
RESERVING OF RIGHTS**

**9.1 GENERAL**

There is reserved, to the Board of Directors of the Alpine Springs County Water District, the right to amend, modify, supplement, revoke in whole, or in part, any of the provisions contained or incorporated herein, at any time and from time to time.

**9.2 LIMITATION OF RIGHTS**

Nothing herein contained shall be deemed to limit or restrict the rights, duties or obligations given, granted or opposed upon this District by the laws of the State of California now in effect or hereinafter adopted.

## BAIL SCHEDULE

<b>F.P.C. Chapter</b>		<b>FINE</b>
3.7	Fire Alarm Violations	\$100.00
5.6	Violation of LPG regulations	100.00
6.5	Obstruction of Fire Protection Equipment	100.00
<b>C.F.C.</b>		
103.4.3.1	Noncompliance with Orders or Notices	500.00
103.4.3.2	Noncompliance with Condemnation Tag	500.00
103.4.3.3	Removal or Destruction of Tags and Signs	500.00
103.4.4	Unlawful Continuance of Hazards	500.00
<b>Health &amp; Safety</b>		
12691	Violation of State Fire Marshal regulations	500.00
<b>P.R.C. Section 4291</b>		
	Bail schedule as defined in the Code.	
<b>All Other Violations</b>		100.00

All bail amounts are exclusive of additional court costs. Fines are forfeitable on first offense and mandatory appearance is required on second offense unless otherwise stipulated.

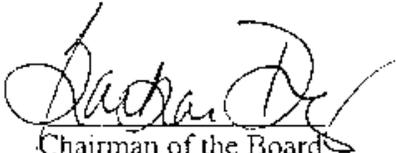
This Ordinance shall take effect and be in force from and after its approval as required by law.

Adopted by the following vote by the Board of Directors of the Alpine Meadows Fire Department this 11 day of Sept. 2006.

AYES: GRANT, DANZ, QUINAN, NUNGESTER, NORTHROP

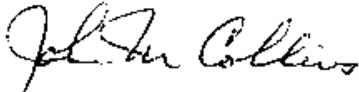
NOES:

ABSENT:

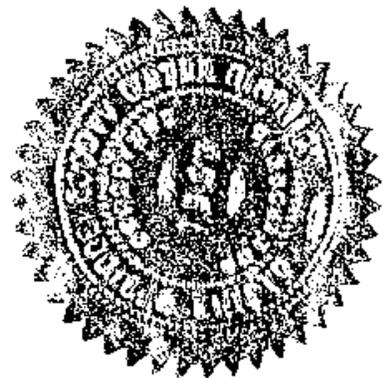


Chairman of the Board  
Alpine Springs County Water District

ATTEST:



John Collins, General Manager  
Secretary to the Board of Directors



Appendix A

**DESIGNATED LPG VENDOR STAKE COLORS**

Amerigas	Red
Suburban Propane	Orange
BiState Propane, Pro-Gas	Blue
Truckee Tahoe Propane (TTP)	Black
Ferrellgas	Brown
Pro Flame	Green

Appendix B

**SCHEDULE OF FEES FOR PERMITS AND SERVICES**

**PLAN CHECK** A fee of \$100.00 per hour may be charged for extensive plan review, and subsequent inspection and testing for any fire protection system or fire alarm system, or any occupancy to be approved and inspected by this agency as required by the California State Fire Marshal in Title 24, CCR.

