

# FIRE PREVENTION STANDARD

**Title: Model Rocket Guidelines** 

Number: E-02 Effective Date: 1/15/10 Revised Date: 9/20/11

Code References: NFPA 1122 / CCR Title 19

**Note**: This standard is a summary of Fire Department clarifications of City and State Codes. Information contained herein applies to typical circumstances and may not address all situations.

#### **PURPOSE:**

The following information is intended to provide information to those residents wishing to launch model rockets within the city limits of Roseville. It is not intended to account for all variables and the model rocket user shall consult manufacturer data, NFPA Standard 1122 and California Code of Regulations Title 19 for further requirements and safety regulations.

A permit from the Roseville Fire Department is not required; however, the following safety guidelines shall be followed.

#### **SAFETY GUIDELINES:**

### **Launch Sites:**

- Launching of model rockets IS NOT permitted on any public lands within the City of Roseville.
- Launching of model rockets is permitted on private property with the written and signed permission of the property owner.
- The sponsoring organization or person responsible for the rocket launch shall designate a Launch Safety Officer who will be responsible for ensuring that all participants and observers are compliant with current codes and this standard.
- A launch site consists of the firing area and the recovery area.
- The firing area is the 10' radius surrounding the launch devices.
- The entire launch site (firing and recovery area) is determined by the motor impulse and the
  estimated height achieved. The site shall be a minimum of a 50' diameter. (See NFPA 1122 for
  launch site dimensions).
- Launch sites shall not:
  - Be located in grainy fields, dry grass, brush or forest covered lands, and
  - Include any buildings or structures unless approved by the fire department, and
  - Be located in an area that creates a hazard to persons or property, and
  - Contain or be located near any high voltage lines, major highways, or other hazardous obstacles.

## Launching Requirements:

- Model rockets shall only be launched during the hours of daylight.
- Model rockets shall be launched only from platforms that meet code requirements.
- The horizontal launching angle shall not be less than 60 degrees.
- Surface winds at the launch site shall not exceed 15 mph with clear vertical visibility to 2000 feet.
- The required recovery device material (parachute) shall be flame resistant material.
- All personnel conducting firing shall maintain a clear distance of 10 feet from the launch platform during the countdown and firing. All observers and assistants shall maintain a 50 foot clearance from the platform during the countdown and firing of the rocket.
- Adult supervision is required at all times.
- Children less than 12 years old who are taking part in a model rocket education program may receive and fire approved model rocket motors when under the direct supervision and control of an adult.