



CHINO VALLEY FIRE DISTRICT FIRE PROTECTION STANDARD

MISCELLANEOUS COMBUSTIBLE STORAGE

STANDARD # 105 REVISED 08-02-17 PAGES 2

1. ADMINISTRATIVE

- 1.1 **AUTHORITY:** The standard is enforceable under authority of the current adopted edition of the California Fire Code.
- 1.2 **SCOPE:** This standard provides specific requirements for miscellaneous combustible storage that poses a fire hazard in its natural or processed state when stored in bulk piles as defined herein. This standard applies to new and/or existing storage sites.
- 1.3 **PURPOSE:** The purpose of this standard is to establish a policy for standardization of the miscellaneous combustible storage sites and to set forth inspection and policy requirements within the Fire District.
- 1.4 **PERMITS:** An operational fire code permit is required when miscellaneous combustible storage is in excess of 2,500 cubic feet. A storage plan shall be submitted and approved by the Chino Valley Fire District.
- 1.5 **PLANS SUBMITTAL:** A minimum of two (2) sets of plans shall be submitted for approval by Chino Valley Fire District. Plans shall define the scope of the storage. The plans shall also include the following:
 - 1.5.1 A site plan indicating: property lines, buildings, access roads, fire hydrants, and location of piles.
 - 1.5.2 Monitoring policy and procedures; Document shall include a sample log report and emergency plan.
 - 1.5.3 Fire suppression methods

2. GENERAL

- 2.1 The approval of miscellaneous combustible storage in accordance with said standard does not negate the applicant from other governing requirements and compliance outside of this standard, such as Federal, State, County, or City requirements.
- 2.2 No deviations from the requirements outlined in this standard will be made without prior approval from the Fire District. In the event a deviation is desired, said deviation shall be submitted through an Alternative Means & Methods process. The deviation shall be designed so that the level of safety is not lowered.

3. STORAGE REQUIREMENTS

- 3.1 An address shall be posted at the entrance to the storage site, in addition to main building on site. Address numbers shall comply with provisions of the California Fire Code.
- 3.2 Each pile shall be separated by an access road. Access roads shall be a minimum of twenty-six (26) feet wide and constructed of asphalt or concrete, except when alternate surfaces are approved by the Fire District. Dead end access roads exceeding 150 feet in length shall be provided with an approved turn around.
- 3.3 A means of communication to notify the fire department shall be provided on the site.
- 3.4 Contact information for the facility shall be provided to the Fire District. A minimum of three (3) emergency contacts shall be provided. Updates/changes shall be provided to the Fire District immediately.
- 3.5 Smoking, hot-works, open flames, spark-producing equipment etc., are prohibited in the storage or processing area. Signs prohibiting such activities shall be posted in a conspicuous location.
- 3.6 Flammable and combustible fuels for use in vehicles shall be stored in approved underground or approved aboveground tanks. These tanks shall be permitted, inspected and approved for said use. Other requirements may be required based on the California Fire Code.
- 3.7 Individual piles shall not exceed 40,000 cubic feet in volume. The height shall not exceed 20 feet. (Example: 20*20*100)
- 3.8 Push-out areas are required for each pile exceeding 2500 cubic feet of green waste type material. Push-out areas shall be maintained clear at all times to allow for the largest pile to be spread out to a depth of two (2) feet.
- 3.9 Approved material-handling equipment shall be available for moving materials during emergency or firefighting operations. Each piece of equipment shall have an approved portable fire extinguisher on it.
- 3.10 A water supply shall be provided and maintained in accordance with the Community Risk Reduction Division requirements.
- 3.11 Portable fire extinguishers with a minimum rating of 4A:60B:C shall be provided on site. The amount and locations will be based on the plan submitted and is subject to field verification.
- 3.12 Static piles shall be monitored to measure internal temperatures. Internal temperature measurements shall be monitored and recorded weekly in a log; except during periods of high heat, low humidity and high winds, monitoring shall occur daily.
- 3.13 Internal temperatures of all piles shall range between 140 degrees to 160 degrees Fahrenheit. Should temperatures exceed this, immediate action shall be taken to reduce the internal temperature.