



Benicia Fire Department – Fire Prevention Policies

Subject: STORAGE, RECYCLING, SHREDDING AND DISPOSAL OF RUBBER TIRES

Section: G

Effective Date: April 2, 2009

Standard G-703

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Revised Date: July 1, 2015

Authority: Benicia Municipal Code, Chapter 8.28, National Fire Codes, Standards 231, 231C and 231D.

DEFINITIONS:

TIRE, JUNK is any tire that is not a new automobile, truck or any other type of motorized vehicle tire that is not directly attached to an operational vehicle and does not meet the Federal or State of California requirements for used tires or recappable casings.

TIRE, JUNK HANDLING is the receiving of junk tires with or without a fee for the purpose of storing, shredding, cutting or splitting them for any purpose.

TIRE, NEW is an unused, newly manufactured or remanufactured automobile, truck or any other type of motorized vehicle tire that is not directly attached to an operational vehicle and meets the Federal and State of California requirements for newly manufactured tires.

TIRE, USED is a not new automobile, truck or any other type of motorized vehicle tire that is not directly attached to an operational vehicle and meets the Federal or State of California requirements for used tires or recappable casings.

Indoor Storage:

For storage of new rubber tires indoors, refer to NFPA 231-D (latest edition).

Outdoor Storage:

1. No tire storage, recycling, shredding or disposal shall be allowed without first obtaining written approval (permit) from the Division.
2. “No activity concerning the use of tires”, including collection, receipt or storage of tires shall begin until all processing equipment and hauling equipment is on site and operating as approved by the Division.



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3. Prior to issuance of any permit provided for hereunder, the following information shall be provided to the Division for approval:
 - a. A detailed site plan showing tire storage areas, access roadways, shredder location, building location, proposed water layout, and shredded material storage location. Detailed description of process, procedures and quantity expectations shall be provided.

4. Prior to issuance of any permit provided for hereunder and during the time property is used for the storage, recycling, collection, shredding, disposal, receipt, cutting or splitting of tires, the following requirements shall be met and approved by the Fire Department.
 - a. Fire Department access roadways shall be provided to within one hundred-fifty (150) feet of all portions of the property on which tires tire shredding, processing equipment or buildings occupy.
 - b. Roadways shall be an all-weather driving surface capable of supporting a thirty (30) ton load. Roadway shall have a minimum twenty (20) foot unobstructed width and a minimum of thirteen (13) feet six (6) inches of vertical clearance.
 - c. Roadway turning radius shall be a minimum of forty (40) feet of curb centerline radius.
 - d. All-weather access roadways shall be provided on at least two major access points (into the property or into where the tires are stored).
 - e. Tires, tire shredding, processing equipment, or buildings located in excess of one hundred fifty (150) feet from a public way shall provide approved on site water capable of producing twenty-five hundred (2,500) gallons per minute fire flow.
 - f. No person shall pile, cause to be piled, or maintain any pile or storage of rubber tires of a height greater than ten (10) feet, measured in all cases from ground level. Tires shall be neatly piled and in no case shall any one pile occupy more than two hundred fifty (250) square feet of lot area. An aisle of at least ten (10) feet shall a manner as to allow free access.



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- g. Tires shall not be stored within ten (10) feet of a property line.
- h. No tire storage shall occur within one hundred (100) feet of an area which has activities relating to burning materials located thereon, including, but not limited to, farming activities, vehicle dismantling yards, welding shops, tire storage or any activity utilizing flame or fire.
- i. Smoking shall be prohibited except in areas approved by the Fire Department. **NO SMOKING SIGNS** shall be conspicuously posed in all non-smoking areas.
- j. The entire site shall be maintained free of all combustible vegetation and combustible storage.