



## Benicia Fire Department – Fire Prevention Policies

**Subject: ABOVEGROUND STORAGE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS IN CONTAINERS AND PORTABLE TANKS OUTSIDE BUILDINGS**

**Section: C**

**Effective Date:** April 2, 2009

**Standard C-301**

**Page:** 1 of 4

**Revised Date:** July 1, 2015

**Authority:** B.M.C. Section 3, Chapter 8.28 Uniform Fire Code, Article 79, and Uniform Building Code, Chapter 9.

**Permit Required:** To store flammable or combustible liquids in closed containers or portable tanks aboveground – outside of buildings (Sec. 79.104).

**Fee:** Based on Resolutions – Chapter 1.70.000, B.M.C. - Contact Fire and Life Safety Division.

### DEFINITIONS:

**APPROVED** means acceptable to the authority having jurisdiction.

**APPROVED PORTABLE TANK** is a tank of over 60 U.S. gallons to a maximum of 660 gallons.

**AUTHORITY HAVING JURISDICTION** is the City of Benicia, Fire and Life Safety Division.

**COMBUSTIBLE LIQUID** is a liquid having a flash point at or above 100° F.

**CONTAINERS** is any vessel of 60 U.S. gallons or less capacity used for transporting or storing flammable or combustible liquids.

**FLAMMABLE LIQUID** is any liquid having a flash point below 100° F and having a vapor pressure not exceeding 40 pounds per square inch at 100° F.

**LISTED** means equipment or materials included in a list published by an organization acceptable to the authority having jurisdiction and concerned with product evaluation, that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

**PORTABLE TANK** is any closed vessel having a liquid capacity over 60 U.S. gallons and not intended for fixed installation.



## Benicia Fire Department – Fire Prevention Policies

**Subject: ABOVEGROUND STORAGE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS IN CONTAINERS AND PORTABLE TANKS OUTSIDE BUILDINGS**

**Section: C**

**Effective Date:** April 2, 2009

**Standard C-301**

**Page:** 2 of 4

**Revised Date:** July 1, 2015

**SHALL** indicates a mandatory requirement.

**SHOULD** indicates a recommendation, which is advised but not required.

UFC is the Uniform Fire Code.

UBC is the Uniform Building Code.

### 1. PLANS

A. Plans shall be submitted with the permit application and shall indicate:

- a. Methods of storage
- b. Quantities to be stored
- c. Distances from all buildings and property lines
- d. Fire Department access ways
- e. Fire protection facilities
- f. Provision for diking, drainage and runoff

### 2. Location of Storage

- A. All outdoor storage shall comply with Table #79.403.
- B. If there is two or more classes of materials in a single pile, the maximum amount permitted in the pile shall be the smallest of the two or more separate maximum quantities.
- C. Storage shall be more than 150' from a 20' wide unobstructed access way.
- D. The storage area shall be protected against tampering or trespassers. This can include a fence or other means of protection as deemed needed by the Division.
- E. Storage of closed containers/tanks may be stored adjacent to a building on the same property if it is under the same management and:



## Benicia Fire Department – Fire Prevention Policies

**Subject: ABOVEGROUND STORAGE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS IN CONTAINERS AND PORTABLE TANKS OUTSIDE BUILDINGS**

**Section: C**

**Effective Date:** April 2, 2009

**Standard C-301**

**Page:** 3 of 4

**Revised Date:** July 1, 2015

- a. The building does not exceed one (1) story in height and is of fire resistive construction with non-combustible exterior surfaces or construction. The building must be devoted principally to the storage of the liquids.
- b. The exterior building wall adjacent to the storage area shall have a two (2) hour fire resistive rating having no openings to above grade areas within 10' horizontally of the storage.

### 3. Diking / Drainage

The storage area shall be surrounded by a curb at least 6" high and constructed of non-permeable materials. Provisions shall be made for draining of water. Drains shall terminate at a safe location as approved by the Division.

### 4. Empty Containers and Tank Storage

- a. Any empty container or tank that was previously used for the storage of flammable/combustible liquids shall be stored as if filled.

Exception: Unless free from explosive vapors.

- b. The covers or plugs shall be replaced in openings.

### 5. Fire Protection

A minimum of one 40 BC rated portable fire extinguisher shall be placed within a 50' walking distance from the area.

### 6. Signs

Signs shall be posted in the storage area prohibiting open flames and smoking.

### 7. Dispensing

Refer to Article 79, Division VIII and Benicia Fire Department Standard C-302.



## Benicia Fire Department – Fire Prevention Policies

**Subject: ABOVEGROUND STORAGE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS IN CONTAINERS AND PORTABLE TANKS OUTSIDE BUILDINGS**

**Section: C**

**Effective Date:** April 2, 2009

**Standard C-301**

**Page:** 4 of 4

**Revised Date:** July 1, 2015

**NOTE:** This Standard is only a summary and does not include all of the requirement of Article 79 U.F.C.