

# ABOVEGROUND STORAGE TANK



## BAKERSFIELD FIRE DEPARTMENT Prevention Services

2101 H Street  
Bakersfield, CA 93301  
Phone: 661-326-3979 • Fax: 661-852-2171

INSTALL  REMOVE

PERMIT #

FACILITY NAME		
ADDRESS		
OPERATOR NAME	PERMIT TO OPERATE #	
OWNER NAME		
# OF TANKS TO BE INSTALLED _____ / REMOVED _____		
TANK #	CONTENTS	VOLUME
NAME OF COMPANY INSTALLING AND/OR REMOVING TANK		
MAILING ADDRESS		
NAME & PHONE # OF CONTACT PERSON		
DATE & TIME TANK IS TO BE INSTALLED/REMOVED		
SIGNATURE OF APPLICANT	DATE	
APPROVED BY	DATE	

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**GUIDELINES FOR PERMIT TO INSTALL/REMOVE AST FOR DISPENSING OF FLAMMABLE OR COMBUSTIBLE LIQUIDS AND CONDITIONS FOR CLOSURE, EXCAVATION, REMOVAL & DISPOSAL, SOIL SAMPLING, PRELIMINARY SITE ASSESSMENTS**

## **GUIDELINES FOR PERMIT TO INSTALL AN AST FOR DISPENSING OF FLAMMABLE OR COMBUSTIBLE LIQUIDS**

1. Any aboveground storage tank installed within the City of Bakersfield for the purpose of Dispensing motor vehicle fuels must meet the requirements of Section 2206.2.3 (1) of the California Fire Code, 2007 Edition and Bakersfield Municipal Code.
2. The tank sizes shall not exceed a capacity of 12,000 gallons individual or 48,000 gallons aggregate.
3. Any aboveground storage of petroleum with a cumulative capacity of more than 1,320 gallon must complete a Spill Prevention, Control and Countermeasure (SPCC) Plan, per California Health & Safety Code Division 20 Chapter 6.67. A copy of this plan *must be submitted* to the Bakersfield Fire Department Office of Prevention Services located at 2101 H Street, Bakersfield, CA 93301 and can be reached at 661-326-3979.

## **APPLICATION PROCESS**

1. Provide two sets of a plot plan for the facility. This plan must include location of property lines, all buildings and openings to each building (i.e., windows, doors, vents, etc.), nearest road or intersection, all tanks piping, any fixed source of ignition (i.e., water heaters, forced air, AC units, etc.), all foundations, and equipment to be installed.
2. Construction details of tank pad seismic straps or fixtures, and crash posts.
3. Certification by the manufacturer that the tank meets the applicable codes.
4. Identification of the material to be stored in the aboveground storage tank.
5. Building permits for all reinforced concrete and electrical work must be obtained at the Bakersfield City Building Department located at 1715 Truxtun Avenue, Bakersfield, CA 661-326-3720. Construction cannot begin without their approved permit.
6. Complete any necessary application for the Air Pollution Control District for any storage or dispensing of gasoline or aviation fuel.
7. Applications must be fully completed or they will be returned - no exceptions.
8. Permit fee must be submitted with the application or the application will not be processed.
9. A final inspection must be completed before AST system is operational. This is to ensure compliance with the UFC regarding placement of placards, and where applicable, the testing of emergency shut-off device, and overfill/overspill.

## **GUIDELINES FOR PERMIT TO REMOVE AN AST**

1. Tanks may not be removed without an inspector present.
2. Tanks shall be either decontaminated or transported as hazardous waste.
3. A Hazardous Waste manifest will accompany either the rinseate or the tank and shall be present on site and presented upon request.
4. The interior of tanks being transported not as hazardous waste (decontaminated) shall have a lower explosive limit (LEL) of no greater than 5 percent immediately following cleaning and prior to the introduction of carbon dioxide (CO<sup>2</sup>).
5. The contractor shall certify on the inspection form that the cleaning process was properly conducted and the LEL results did not exceed 5 percent.
6. The decontaminated tank shall be inerted with the introduction of CO<sup>2</sup>, in the form of dry ice or from canisters.
7. A rate of 20 pounds of dry ice to 1,000 gallons of tank capacity, or the corresponding weight of CO<sup>2</sup>.
8. If canisters are used, they shall be bonded to the tanks.
9. A receipt for the CO<sup>2</sup> shall remain on site and presented upon request.
10. Prior to the removal of a decontaminated tank the LEL level will be no greater than 5 percent and the oxygen level will be no grater than 9 percent.

## **SOIL SAMPLING/PRELIMINARY SITE ASSESSMENT**

1. Soil samples shall be obtained under the direction of a professional engineer, geologist, or authorized representative of a State-approved laboratory.
2. Samples shall be collected, at a minimum, from depths of 2 and 6 feet below the tank bottom, dispensers, and product lines and from the following locations (unless waived by the local agency inspector on site):
  - A. From the center of the tank.
  - B. Below all dispensers.
  - C. Piping - every 20 feet and/or at connections, joints, bends, etc.
3. Any area of obvious contamination of likely areas of contamination may be required to be sampled.
4. All samples shall be analyzed by a State-certified laboratory.
5. Soil samples shall be analyzed for all known and suspected substances to have been stored in the tank. Additionally, methyl tertiary butyl ether (MTBE) shall be analyzed in all soil samples taken from beneath tank systems which contained any motor vehicle fuel.
6. All samples will be accompanied by a Chain-of-Custody sheet.
7. A soil sample report/preliminary assessment shall be submitted to the Office of Prevention Services within 5 days after results have been received and shall contain at a minimum the following information.
  - A. Name and location of where tanks were disposed.
  - B. Name and location of where rinseate was disposed.
  - C. A signed copy of the Hazardous Waste Manifest.
  - D. A tank disposal receipt from the scraping facility.
  - E. Copies of all lab data sheets and Chain-of-Custody documentation.
  - F. A plot plan showing the location of buildings, tanks, piping runs, dispensers, and ALL SAMPLE LOCATIONS WITH CORRESPONDING I.D. NUMBERS AND DEPTHS.