

UNDERGROUND STORAGE TANK

INSTALLATION GUIDELINES (UST)



BAKERSFIELD FIRE DEPARTMENT
Prevention Services
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In order to expedite permit processing, before submitting your permit application for construction, check to see that all the following are addressed.

1. **OBTAIN A PERMIT:** There are two Tiers for an UST Modification Permit:
 - a) (Minor) Modification Permit for small jobs usually a swap out of components, such as spill buckets, dispensers, and robes.
 - b) (Major) Modification Permit these involve breaking out of concrete, adding piping, transition sumps, etc.
2. **Two sets of prints (plot plans) are required during submittal.**
 - a) Plot plan: You must clearly define your scope of work and distances to both property line and nearest building.
 - b) In addition, you must have a copy of contractor's license, ICC installer modifier's copy of general liability and workers compensation, and generic or site specific safety plan.
3. The Healy EVR Phase II Air Separator System is only 400 gallons and therefore is not regulated as an Aboveground Storage Tank (defined as 1320 gallons or more).
 - However, it is defined as Vapor Processing under Section 5202.13.3.1 and 5202.13.3.2 of the California Fire Code (2001 Edition).

"Vapor processing units shall be located not less than 10 feet from the nearest building or property line of a property which can be built upon."

"Vapor processing equipment shall be located a minimum of 20 feet from dispensing devices. Processing equipment shall be protected against physical damage by guardrails, curbs, protection enclosures or fencing.

Under Fire Code Provisions you have the following options:

OPTION #1:

Healy clean air separator cannot be located not less than 10" from the nearest building or property line of a property which can be built upon.

Guard posts shall be provided to protect storage tanks and connected piping, valves, and fittings; dispensing areas and use areas subject to vehicular damage. When guard posts are installed, the posts shall be:

- a) Constructed of steel not less than 4 inches in diameter filled with concrete.
- b) Spaced not more than 4 feet between posts on center.
- c) Set not less than 3 feet deep in a concrete footing of not less than a 15 inch diameter.
- d) Set with the top of the posts not less than 3 feet above the ground.
- e) Located not less than 5 feet from the tank.

OPTION #2:

Protective enclosure, which extends 18 inches above the equipment, constructed of fire-resistant or non-combustible materials

In addition tank must have 3 feet clearance around tank for service and/or repair.

For sites where distances cannot be obtained, a review will take place on a case by case basis.