

UNDERGROUND STORAGE TANK & HAZARDOUS UST FACILITY PERMITS



BAKERSFIELD FIRE DEPARTMENT
Prevention Services
2101 H Street
Bakersfield CA 93301
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GENERAL GUIDELINES (UST) SPECIFIC (HAZ UST) SUMMARY OF CONDITIONS/PROHIBITIONS FOR PERMIT TO CONSTRUCT-INSTALL UST (NEW FACILITY)/ CONSTRUCT-INSTALL UST (EXISTING FACILITY)/ MODIFICATION, AND/MINOR MODIFICATION OF AN UST

GENERAL GUIDELINES (UST)

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

1. Applications must be fully completed or they will be returned - no exceptions. The use of the answer "NA" (not applicable) is unacceptable.
2. State Underground Storage Tank Permit Application forms must be completely filled out. Form A for the facility and one Form B per tank.
3. Permit fees must be submitted with the application or it will be returned.
 - a. Permits are valid for one year.
4. Contractors must have current copies of the following information on file with this program:
 - a. Bakersfield City Business License.
 - b. Current pocket copy with expiration date clearly noted on one of the following contractors' licenses:
General A: C-10 Electrical, C-34 Pipeline, C-36 Plumbing, or C-61.
D-40 Limited Specialty Service Station Equipment.
General B: with restrictions.
 - c. Current copies of certificates of workers compensation and liability insurance.
 - d. Site safety plans.
5. 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.). Please include all equipment to be installed, any source of water infiltration, scales, north arrow, and a minimum 100-foot radius around all equipment. The minimum acceptable scale is 1" = 16".
6. Provide two sets of site-specific detailed drawings of proposed construction. These drawings must show side and top views of tanks, piping, secondary containment, leak detection and monitoring equipment, overflow protection and all other equipment required. All equipment must be clearly labeled. The minimum acceptable scale is 1" = 10'.
7. Certification by manufacturer of compatibility of tank, piping and secondary containment material with proposed stored hazardous substances.
8. Information on the chemical composition of stored product, if other than motor vehicle fuels.
9. Building permits (if required) must be obtained at the Bakersfield City Building Department. Construction cannot begin without their approved permit.
10. Complete an application for the Air Pollution Control District for any storage tanks which will contain gasoline or aviation-grade gasoline.

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11. Existing underground piping may not be removed without an inspector from the Office of Prevention Services being present.

Additional Tank Lining Regarding Inspection Procedures (if applicable)

12. Soil sampling shall be performed according to the Soil Sampling/Preliminary Site Assessment guidelines provided by this office. No samples may be obtained without an inspector from the Office of Prevention Services being present.
13. Office of Prevention Services will review contractor's certifications and special inspector qualifications, as well as operating procedures and safety plan prior to issuing the tank modification permit. "Special Inspector" qualifications shall be submitted with the application and shall attest to both the Professional Engineer's registration and competency to certify compliance with all interior tank lining and cathodic protection requirements specified in State laws and regulations.
14. Inspection hold points will be:
 - a. When tank is clean and before cutting any access holes or entering the tank.
 - b. After completion of the tank inspection by the (special inspector) to determine tank soundness and wall thickness, inspector must confer with special inspector regarding his/her observations prior to certification of the tank as suitable for lining.
 - c. After completion of the tank lining inspection, confer with the special inspector to verify thickness and hardness of lining meets all applicable standards.
 - d. Final inspection.
15. Soil samples may be required from under the tank system, at the discretions of this agency, prior to tank lining, for the purpose of determining an unauthorized release.

CONDITIONS/PROHIBITIONS

1. The facility owner and operator must be familiar with all conditions specified within this permit and must meet any additional requirements to monitor, upgrade, or close the tanks and associated piping imposed by the permitting authority.
2. If the operator of the underground storage tank is not the owner, then the owner shall enter into a written contract with the operator, requiring the operator to monitor the underground storage tank; maintain appropriate records; and implement reporting procedures as required by the Department.
3. The facility owner and operator shall ensure that the facility has adequate financial responsibility insurance coverage, as mandated for all underground storage tanks containing petroleum, and supply proof of such coverage when requested by the permitting authority.
4. The facility owner must ensure that the annual permit fee is paid within 30 days of the invoice date.
5. The facility will be considered in violation and operating without a permit if annual permit fees are not received within 60 days of the invoice date.
6. The facility owner and/or operator shall review the leak detection requirements provided within this permit. The monitoring alternative shall be implemented within 60 days of the permit issue date.

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7. The facility underground storage tanks must be monitored, utilizing the option approved by the permitting authority until the tank is closed under a valid, unexpired permit for closure.
8. Any inactive underground storage tank which is not being monitored as approved by the permitting authority is considered improperly closed. Proper closure is required and must be completed under a permit issued by the permitting authority.
9. The facility owner/operator must obtain a modification permit before:
 - a. Uncovering any underground storage tank after failure of a tank integrity test
 - b. Replacement of piping
 - c. Lining the interior of the underground storage tank
 - d. Any other work which alters the tank or piping.
10. The tank owner must advise the Bakersfield Fire Department within 10 days of transfer of ownership.
11. Any change in state law or local ordinance may necessitate a change in permit conditions. The owner/operator will be required to meet new conditions within 60 days of notification.
12. The owner and/or operator shall keep a copy of all monitoring records at the facility for a minimum of 3 years, or as specified by the permitting authority. They may be kept off-site if they can be obtained within 24 hours of a request made by the local authority.
13. The owner/operator must report any unauthorized release which escapes from the secondary containment, or from the primary containment if no secondary containment exists, which increases the hazard of fire or explosion or causes any deterioration of the secondary containment within 24 hours of discovery.

MONITORING REQUIREMENTS

1. All underground storage tanks must utilize interstitial monitoring or a State-approved automated tank gauging method.
2. All tanks shall be tested annually utilizing a tank integrity test which has been certified as being capable of detecting a leak of 0.1 gallon per hour with a probability of detection of 95 percent and a probability of false alarm of 5 percent. The first test shall be completed before December 31, 1992, and subsequent tests completed each calendar year thereafter. All tank integrity tests completed after September 16, 1991, shall be completed under a valid, unexpired permit to test issued by the Bakersfield Fire Department. Tank testing contractors must obtain permit with the City of Bakersfield no less than 10 days prior to commencement of precision tank and piping testing. Construction site must also be given 10 days notice prior to testing.
3. Cathodic Protection Monitoring Requirements: Cathodic protection systems must be tested by a qualified person within 6 months of installation and at least every 3 years thereafter. The purpose of these inspections is to ensure that the tank and piping maintain proper corrosion protection in accordance with voluntary consensus standards (i.e., NACE-02-85 or API 1632). In addition, impressed current cathodic protection systems must be checked every 60 days to ensure that they remain in proper working order.

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4. All suction piping shall be monitored for the presence of air in the pipeline by observing the suction pumping system for the following indicators:
 - a. The cost/quantity display wheels on the metered suction pump skip or jump during operation
 - b. The suction pump is operating but no motor vehicle fuel is being pumped
 - c. The suction pump seems to over-speed when first turned on and then slows down as it begins to pump liquid
 - d. A rattling sound in the suction pump and erratic flow, indicating as air and liquid mixture
5. All underground storage tanks containing motor vehicle fuel shall be retrofitted with under-dispenser containment by December 31, 2003, or shall be removed and replaced with a system that meets new construction standards specified by the State regulation. All tanks containing a hazardous substance other than motor vehicle fuel shall have secondary containment and meet all other State standards by December 1998.
6. All equipment installed for leak detection shall be operated and maintained in accordance with manufacturer's instructions, including routine maintenance and service checks (at least once per year) for operability or running condition.
7. An annual report shall be submitted to the Office of Prevention Services of the Bakersfield Fire Department each year after monitoring has been initiated.
8. Secondary containment systems installed on or after January 1, 2001 shall be tested upon installation, 6 months after installation, and every 36 months thereafter. Secondary containment systems installed prior to January 1, 2001 shall be tested by January 1, 2003 and every 36 months thereafter.

ANY QUESTIONS SHOULD BE SUBMITTED TO:

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