



GLENDALE FIRE DEPARTMENT

SAMPLING REQUIREMENTS FOR UNDERGROUND STORAGE TANKS & Clarifiers



Plan Review

Fire Prevention Bureau
633 E. Broadway, Suite 101
Glendale, CA 91206
Tel 818-548-3207
Fax 818-548-3215

<http://glendalefire.com>

Inspections

Environmental Management Center
780 Flower Street
Glendale, CA 91201
Tel 818-548-4810
Fax 818-549-9777

NUMBER OF SAMPLES / SAMPLE PLACEMENT: UST Regulations, Title 23, Division 3, Chapter 16, Section 2672(d) italics

- *All UST(s) require a minimum of two soil samples taken at each end, two feet into native material*
- *A separate sample be taken for each 20 linear-feet of trench for piping*
- *Groundwater samples needed if groundwater is found in excavation pit*
- *If UST or any portion therefore is not removed, at least one boring shall be taken as close as possible to the midpoint beneath the tank*

Sample guidelines below:

Less than or equal to 999 Gallons.....2 Samples
1,000 to 9,999 Gallons.....3 Samples
10,000 and Greater Gallons.....4 Samples

- One sample beneath every twenty (20) feet of each product or vent line
- One sample at each fitting in product or vent line
- Each spoils pile (One sample for every 100 cubic yards, two to four feet into the stockpile)
- One sample beneath each dispenser
- Clarifiers to be sampled at inlet, outlet and each floor drain.

SAMPLING PROCEDURES:

- Apply EPA Method 5035 as specified in USEPA SW-846 for soil sample preparation and preservation
- All samples to be taken undisturbed and three (3) to five (5) feet below piping or tank
- Absolutely no compositing of samples
- Additional sampling and analysis may be required based on site/field inspections, past and present chemical usage, etc.

SAMPLE ANALYSIS:

GASOLINE/DIESEL

- TPH (gasoline or diesel) by EPA Method 8015B
- BTEX/MTBE by EPA Method 8260
- Lead (Total) by EPA Method 6010B or 7420

WASTE OIL/CLARIFIER

- TPH by EPA Method 8015B
- Volatile Organic Compounds by EPA Method 8260B
- Semi-Volatile Organic Compounds by EPA Method 8270C
- Lead (Total) by EPA Method 6010B or 7420

CHEMICALS

- Analysis methods dependant upon history of hazardous substances stored and used on property. To be determined by Glendale Fire Department.