

**GLENDALE FIRE DEPARTMENT**  
**SAMPLING REQUIREMENTS**  
**FOR**  
**UNDERGROUND STORAGE TANKS**

**Plan Review**

Fire Prevention Bureau  
633 E. Broadway Street, Rm 100  
Glendale, CA 91206  
Tel 818-548-3200  
Fax 818-548-3215

**Inspections**

Environmental Management Center  
780 Flower Street  
Glendale, CA 91201  
Tel 818-548-4030  
Fax 818-549-9777

**NUMBER OF SAMPLES / SAMPLE PLACEMENT:**

UST Size	
≤ 500 Gallons .....	1 Sample
501 to 999 Gallons.....	2 Samples
1,000 to 9,999 Gallons.....	3 Samples
10,000 to 15,000 Gallons.....	4 Samples
> 15,000 Gallons.....	Per Plan Review

One sample to be taken below the inverted fill; others (if necessary) to be equally distributed below tank.

**PLUS:**

- 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 sampled (Per Regional Water Board Requirements)
- One sample beneath each dispenser
- Additional samples may be required per plan review and/or field inspection

**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) use EPA Method 8015M or 8260
- BTEX use EPA Method 8260
- MTBE use EPA Method 8260
- Lead (Total) use EPA Method 7421

WASTE OIL

- TPH use EPA Method 418.1 or 8440
- Halogenated and Aromatic Volatile Organic Compounds use EPA Method 8021
- Lead (Total) use EPA Method 7421
- PCBs use EPA Method 8080 (Per Plan Review)

CHEMICALS

- Analysis methods dependant upon history of hazardous substances stored and used on property