



**CITY OF CHICAGO
DEPARTMENT OF ENVIRONMENT
UNDERGROUND STORAGE TANK UNIT
30 N. LASALLE STREET, 25th FLOOR
CHICAGO, ILLINOIS 60602**

REQUIRED CHECKLIST FOR UNDERGROUND STORAGE TANK REMOVALS

UST removals shall follow 41 Ill. Adm Code Part 170 and any referenced material. The following checklist shall be followed as prescribed by the City of Chicago, Department of Environment's regulations. These requirements do not exempt anyone from any other State or Federal requirements or regulations. Underground Storage Tank or UST includes underground pipes and cathodic protection.

- A. Secure permitting and required notices of removal to the DOE. 170.670 (a)(1)(A)
- B. All monitoring equipment shall be maintained according to manufacturing specifications. API 1604 4.3.1
- C. Establish an exclusion zone (no smoking within). The use of spark producing/non-explosion proof equipment is prohibited in the vapor hazard area. API 4.1.1-1.3.2.1
- D. Excavate to the top of the tank, drain and remove all piping except the vent lines. Pipe trenches shall remain open for inspection by the DOE Tank Specialist. API 1604 4.1.5
- E. Remove all liquids from the tank using explosion-proof pumps or hand pumps. API 1604 4.1.3
- F. The tank atmosphere and the excavation area shall be regularly monitored with a Combustible Gas Indicator (CGI), for flammable or combustible vapor concentrations until tank is removed from both the excavation and the site. Monitoring the UST shall be done at 3 levels in the tank (bottom, middle and top). API 1604 4.2
- G. Purging/vapor freeing shall be done in accordance with API 1604 Section 4.2. When purging the tank with compressed air or using inert gas under pressure, all devices must be bonded to the tank and the tank must be grounded to a separate ground. API 1604 4.2.
- H. Monitor tank to insure explosive conditions do not exist. Lower Explosive Limits (LEL)/5% or less or oxygen (O₂) 5% or less. API 1604 4.3.2 and 4.3.3
- I. Plug and cap all accessible tank holes. One plug should have a 1/8" vent hole. API 1604 4.4.1
- J. Excavate around tank to prepare for removal. 41 Ill Adm. Code Part 170.670(2)(c)

S T O P !!!

DOE Tank Specialist must be on site before cutting and cleaning operations or tank removal can proceed. 425ILCS 25/9

- K. Equipment with sufficient lifting capacity shall be used to lift the tank from the excavation. API 1604 4.1.1 - 1.3.2
- L. A sufficient number of holes or openings shall be made in the tank for disposal or entry. Minimum opening of 9 square feet each opposite side or end. 170.670(a)3) and API 1604 7.2.1
- M. Any UST removed from the excavation zone shall be cleaned on site the day of the removal. API 1604 4.4.6
- N. Tank owner must file the amended Notification of Underground Storage Tank form to the OSFM within 30 days after the tank removal (form is enclosed in approved permit package). 170.71(b)
- O. Owners/operators shall measure for the presence of a release where contamination is most likely to be present at the UST site. 41 Ill Adm. Code 170.640(a).