





Labour Code Part II and Regulations for Construction Projects.

- .2 Disconnect or remove source of ignition from vicinity of tank.
- .3 Provide temporary protection for safe movement of personnel and vehicle traffic.
- .4 Cut, braze or weld metal only in monitored areas established to be free of ignitable vapour concentrations.
- .5 Ground and bond metal equipment, including tanks and transfer pipes, before operating equipment or transferring flammable materials.
- .6 Use non-sparking tools and intrinsically safe electrical equipment.
- .7 Smoking is not permitted.

### 3.2 DRAINING

- .1 Drain and flush piping into tank.
- .2 Remove sludge from tank bottom.
  - .1 Dispose of product and sludge in accordance with local, Provincial and Territorial regulations using waste disposal carrier licensed by Provincial/Territorial Environmental Agency having jurisdiction.
  - .2 Gas free the tanks as per Section 3.5 prior to any removal activities.
  - .3 Monitor and maintain appropriate vapour levels in the tanks until delivery of the tanks to the decommissioning site.

### 3.3 TANK REMOVAL

- .1 Remove tanks and place in a secure location prior to removal from site.

### 3.5 VAPOUR REMOVAL

- .1 Purging:
  - .1 Purge vapours to less than 10% of lower explosive limit (LEL).

- .2    Verify with combustible gas metre.
- .3    Provide Departmental Representative with test results.
- .2    Dry Ice Method:
  - .1    Add 1.85 gm of solid carbon dioxide (dry ice) for each 100 litre capacity.
  - .2    Crush and distribute ice evenly over greatest area to secure rapid evaporation. Avoid skin contact.
  - .3    Verify dry ice has vapourized.
- .3    Air Method:
  - .1    Ventilate tank with air using small gas exhauster operated with compressed air or other suitable means.
  - .2    Air to enter opening at one end and to exit opening at other end to quickly remove vapour.
  - .3    Test interior of tank to determine when tank is free of vapour.
- .4    Provide Departmental Representative with copy of test results (SOR 2008-197, Section 44).

### 3.6    CAPPING

- .1    Plug holes after each tank has been freed of vapours and before tanks are moved from site.
- .2    Leave 3 mm vent hole in one plug to prevent tank from being subjected to excessive pressure differential caused by extreme temperature change.

### 3.7    SECURING AND REMOVAL FROM SITE

- .1    Check vapour levels prior to transport:
  - .1    Remove vapour if required.
- .2    Dispose of tank in accordance with local, Provincial, Federal or Territorial regulations.
- .3    Truck removal:
  - .1    Secure tank on truck for transport to

disposal site.

- .2 Cut suitable openings in tank sides to render tank unusable.
- .3 Ensure 3 mm vent hole located at uppermost point on tank.
- .4 Label tank stating "Not for reuse" and "To be disposed".

3.8 WORKMANSHIP  
AND DISPOSAL

- .1 Tanks destined for disposal:
  - .1 Dismantle, cut sufficient openings or otherwise render unusable.
  - .2 Forward affidavit of destruction to Departmental Representative as per Section 01 77 00.

**END OF SECTION**