


CITY AND COUNTY OF DENVER		POLICY	DENVER FIRE DEPARTMENT
Subject:	TANK INSTALLATION, UPGRADE, CHANGE OF CONTENTS		
Reference:	2015 IFC; 2016 Denver Amendments; 2015 NFPA		
Approved:			Manuel Almaguer Division Chief, Fire Prevention Division
Number:	IFC- 50, 57, 5701 NFPA 30	Effective Date: March 1, 2019	Page 1 of 4

This policy is meant to provide basic information for the most common conditions and situations. In any given occupancy, many other Fire Code requirements may be enforced. The Fire Inspector will address these during a premise inspection. Questions can be addressed by contacting the Fire Prevention Division between 7:00 a.m. and 4:00 p.m. at 720-913-3474. Walk-in hours are 7:00 a.m. to 9:30 a.m. ONLY, Monday-Friday at 745 W. Colfax Avenue.

I. SCOPE

This policy outlines the requirements for all petroleum and chemical tanks; including Aboveground Tanks, Underground Tanks, back-up, standby and emergency generator tank installations located in the City and Count of Denver.

II. GENERAL TANK INSTALLATION APPLICATION

Tank installations and related appurtenances shall comply with federal, state and local regulations. The following information and permit application (see Page 4 for permit application) must be supplied to the Denver Fire Prevention Division to obtain a permit to install a storage tank for petroleum or chemical products:

A. Installation location information

1. Name of business
2. Address and zip code of business
3. Telephone number of business
4. Contact person for business

B. Installer information

1. Installer name
2. Installer address, city and zip code
3. Installer phone number/fax number
4. Contact person/telephone number

C. Name of tank manufacturer

D. Name and telephone number of tank distributor

E. Tank installation plans. Tank plans shall be drawn to a legible scale and shall conform to the International Fire Code and NFPA 30 and shall include:

1. Tank location on property shown on a site/plot plan
2. Tank size
3. Tank slab and tie downs, if applicable
4. Tank piping, including fill, vent and vapor recovery
5. Corrosion protection, if applicable
6. Flex connectors or swing joints
7. Overfill protection

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8. Pumps
9. Leak detectors, if applicable
10. Emergency shutoff valve, if applicable
11. Secondary containment, if applicable
12. Vapor monitoring, if applicable
13. UL listing for tank

III. UNDERGROUND STORAGE TANK INSTALLATION

A permit application form and plans are to be submitted to the Fire Prevention Division prior to installation. Plans shall include the information in **Section II, Sub-section E, items 1 through 13** and the following:

- A. Date job is to begin and end
- B. Plot Plan showing as a minimum:
 1. Setback from buildings and property lines
 2. All dimensions of tanks and dispensing islands
 3. Fuel and vent lines
 4. Fill and vapor recovery connections
 5. Title block indicating owner, use, preparer, scale and date

IV. ADDITIONAL PERMITTING REQUIREMENTS

In addition, the following agencies shall also approve tank installations:

- A. State Oil shall approve all tanks with an approved plot plan.
- B. The Zoning Department shall approve all above ground tanks with a permit and plot/site plan.
- C. Fire Prevention Division's Fire Protection Engineers shall approve all storage tanks with a #1C construction permit and a complete plan/technical submittal. The plans and technical information shall be submitted for review at the Building Department login counter. The submittal shall include the following:
 1. Site/plot plan as required above in **Sections II and III**
 2. Foundation plans and structural calculations signed and sealed by a Colorado Professional Engineer
 3. Technical Information (e.g. cut sheets on tank and generator if applicable)
 4. UL Listing
 5. Show compliance with chapter 34 in the IFC for tanks
 6. Vehicle impact protection
 7. Placards – NFPA 704 and other required signage

V. ISSUANCE OF PERMIT

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- A. Fee paid; checks payable to “Manager of Finance.”
- B. A permit will be issued only after the Fire Prevention Division’s Fire Protection Engineers have reviewed the plans and compliance is established with all applicable codes and prohibitions and have issued the #1C permit.
- C. Applicants will be notified by telephone when their permit is ready.
- D. **The Fire Prevention Division must inspect all lines and tanks before they are buried.**
- E. The Fire Prevention Division will also make a final inspection after completion of tank installation for total code compliance.
- F. For inspection or additional information, call 720-913-3474.
- G. **Walk-in** permit hours Monday – Friday, 7:00 a.m. – 9:30 a.m. **ONLY**, at 745 W. Colfax Ave.

Mail- in permit application with all required paperwork to:

Denver Fire Department/Flammables
745 W. Colfax Avenue
Denver, CO 80204

Visit DenverGov.org/DFD and select “Fire Safety Permits” for the current Fire Permit Fee Calculation Table.

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**APPLICATION FOR PERMIT
TANK INSTALLATION- PETROLEUM AND CHEMICAL**

The following must be attached: Tank Installation Plan, Plot Plan, Engineering Plans, and Denver Zoning Approval

Name (Firm, corporation, individual)		Application Date	
Street Address (where tanks are installed)		Phone	Email
Installer/ Contact name		Phone	Email
Installer Address City, State, Zip		Phone	Email
INSTALLATION INFORMATION			
TANK MANUFACTURER		DISTRIBUTOR	
TANK TYPE <input type="checkbox"/> Above ground <input type="checkbox"/> Buried <input type="checkbox"/> Vaulted	PROPERTY TYPE <input type="checkbox"/> Private Property <input type="checkbox"/> Public Property	PRODUCT TYPE <input type="checkbox"/> Petroleum <input type="checkbox"/> Chemical <input type="checkbox"/> LPG	OTHER PERMITS <input type="checkbox"/> CPD Permit <input type="checkbox"/> Zoning Permit <input type="checkbox"/> FPB Engineering Permit
TANK INFORMATION			
<input type="checkbox"/> Double walled Tank <input type="checkbox"/> Secondary Containment <input type="checkbox"/> Overfill Protection	<input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Suction Pump <input type="checkbox"/> Pressure Pump	<input type="checkbox"/> Leak Detector <input type="checkbox"/> Emergency Shutoff Valve <input type="checkbox"/> Emergency Power Shutoff	NUMBER OF EXISTING TANKS
Product	Capacity	U.L. Number	Tank Construction

I have received and understand the document Denver Fire Department Guideline for Tank Installation.

Print Name: _____

Signature: _____

Date: _____