


CITY AND COUNTY OF DENVER		POLICY	DENVER FIRE DEPARTMENT
Subject:	AUTOMOTIVE SALVAGE YARD		
Reference:	2015 IFC, 2016 Denver Amendments; 2015 NFPA 22		
Approved:	Manuel Almaguer Division Chief, Fire Prevention Division		
Number:	2015 IFC NFPA 22	Effective Date: October 24, 2018	Page 1 of 6

This policy is meant to provide basic information for the most common conditions. In any given occupancy, all other Fire Code requirements shall be enforced. The Fire Inspector will address these during a premises inspection. Questions can be addressed by contacting the Fire Prevention Flammables Section, between 7:00 a.m. and 4:00 p.m. at 720-913-3474 or via email at (Flammables@denvergov.org). Walk-in hours are Monday-Friday, 7:00 a.m. to 9:30 a.m. ONLY at 745 W. Colfax Ave., 1st Floor.

I. SCOPE

This policy covers the permitting requirements as they pertain to a Salvage Yard within the City and County of Denver.

II. DEFINITIONS

- A. Motor Vehicle Fluid.** A fluid that is a flammable, combustible, or hazardous material, such as crankcase fluids, fuel, brake fluids, transmission fluids, radiator fluids, and gear oil.
- B. Flammable Liquid.** Is a liquid having a closed cup flash point below 100 degrees F. The category of flammable or combustible liquids does not include compressed gas or cryogenic fluids. Flammable liquids are further categorized into a group known as Class I liquids, subdivided as follows.
1. **Class I-A** liquids include those having a flash point below 73 degrees F. and having a boiling point below 100 degrees F.
 2. **Class I-B** liquids include those having a flash point below 73 degrees F and having a boiling point at or above 100 degrees F.
 3. **Class I-C** liquids include those having a flash point at or above 73 degrees F. and below 100 degrees F.
- C. Combustible Liquid.** Is a liquid having a flash point at or above 100 degrees F., subdivided as follows:
1. **Class II liquids** are those having a closed cup flash point at or above 100 degrees F. and below 140 degrees F.
 2. **Class III-A liquids** are those having closed cup flash points at or above 140 degrees F. and below 200 degrees F.

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3. **Class III-B liquids** are those having a closed cup flash point at or above 200 degrees F.
- D. Hot Work Operation.** Includes cutting, welding, thermal welding, brazing, soldering, grinding, thermal spraying, thawing pipe, installation of torch-applied roof systems or any other similar activity.
- E. Hot Work Area.** Is the area that is exposed to sparks, hot slag, or radiant, or convective heat as a result of hot work being performed.
- F. Hot Work Equipment.** Is electric or gas welding or cutting equipment used for hot work.
- G. Permit.** A document issued by the Denver Fire Department for the purpose of authorizing performance of a specified activity.
- H. Salvage Vehicle.** A vehicle that is dismantled for parts or awaiting destruction
- I. Miscellaneous Tire Storage.** The storage of rubber tires that is incidental to the main use of the building. Storage areas shall not exceed 2000 ft². On-tread storage piles regardless of storage method, shall not exceed 25 ft in the direction of the wheel holes. Acceptable storage arrangements include (a) on-floor, on-side storage up to 12ft high; (b) on-floor, on-tread storage up to 5 ft high; (c) double-row or multi-row fixed or portable rack storage on-side or on-tread up to 5 ft high; (d) single row fixed or portable rack storage on-side or on-tread up to 12 feet high; and (e) laced tires in racks up to 5 feet in height.
- J. On-Side Tire Storage.** Tires stored horizontally or flat.
- K. On-Tread Tire Storage.** Tires stored vertically or on their treads.

III ANNUAL PERMITS AND FEES

- A.** The following annual permits where applicable must be obtained from the Denver Fire Department, Fire Prevention Division, Flammables Section:
1. **Automotive Salvage Yard. Fee \$75.00**
 2. **Flammable Combustible Liquid Storage See Table For Fees.**
 3. **Hot Work. Fee \$75.00**

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4. **The owner or responsible party must complete the Automotive Salvage Yard** application form (attached) and remit with the required fee. Check shall be payable to **Denver Manager of Finance**. Submit to the Denver Fire Department Fire Prevention Division-Flammables Section. All required permits shall be current and posted on site.

Mail-in to: Denver Fire Prevention/Permits
745 W. Colfax Avenue
Denver, CO 80204

Walk-in permits: 07:00 a.m. to 09:30 a.m. **ONLY**, Monday-Friday, 745 West Colfax Avenue 1st floor. Applications received after 09:30 a.m. will be processed the next business day.

E-mail: flammables@denvergov.org

Any questions regarding this application can be directed to the Flammables Division phone line at: 720-913-3440

- B. The following annual permit must be obtained from the Denver Fire Department, Fire Prevention Division, High Piled Storage Section if applicable.

1. **Tire Storage more than 500 tires. Fee \$250.00**

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

IV. TO OBTAIN PERMITS

- A. A permit shall be obtained from the Denver Fire Department, Fire Prevention Division, Flammables Section. To obtain a permit the following information must be provided these permits are to be applied for annually:

1. Business Name, address, phone number and E-mail address
2. Contact Name, phone number and E-mail address
3. Site Address
4. Diagram of site location indicating Flammable/Combustible storage location and Tire storage location if applicable.

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- a. **NFPA Section 22.5 Housekeeping.** The yard shall be kept free of vegetation debris, and any other material that is not necessary to the proper operation of the facility
- b. **NFPA Section 22.9.2.1 Motor Vehicle Fluids.** Motor vehicle fluids shall be drained from salvage vehicles when such fluids are leaking.
- c. **NFPA Section 22.9.2.2** Storage and handling of motor vehicle fluids shall be done in an approved manner.
- d. **NFPA 22.9.3.1** Supplies or equipment capable of mitigating leaks from fuel tanks, crankcases, brake systems, and transmissions shall be kept available on site.
- e. **NFPA 22.9.3.2** Single-use plugging, diking, and absorbent material shall be disposed of as hazardous waste and removed from the site in a manner approved by federal, state, and local requirements.
- f. **NFPA 22.9.4 Airbag Systems.** Removed air bag systems shall be handled and stored in accordance with NFPA Chapter 60. (Hazardous Materials)
- g. **NFPA 22.9.5.1 Lead-Acid Batteries** shall be removed from salvage vehicles when such batteries are leaking.
- h. **NFPA 22.9.5.2** Lead-acid batteries that have been removed from vehicles shall be stored in an approved manner.
- i. **IFC 3305.4 Precautions against fire.** Sources of ignition and smoking shall be prohibited in flammable and combustible liquid storage areas. Signs shall be posted in accordance with section 310.
- j. **IFC 3305.5 Handling at point of final use.** Class I and II liquids shall be kept in approved safety containers.
- k. **IFC 310.2 Prohibited areas.** Smoking shall be prohibited where conditions are such as to make smoking a hazard, and in spaces where flammable or combustible materials are stored or handled.
- l. **IFC 5703.5.1 Labeling and Signage.** NO SMOKING” Signs shall be posted conspicuously, and warnings strictly enforced. Signs shall read **DANGER-FLAMMABLE LIQUIDS”** Warning signs shall be of a durable material with white lettering on a red background. Letters shall not be less than 3 inches in height and ½ inch in stroke.
- m. **IFC 5704.2.3.2 Label or placard.** Tanks more than 100 gallons in capacity, which are permanently installed or mounted and used for the storage of Class I, II, or III liquids, shall bear a label and placard identifying the material therein. Placards shall be in accordance with NFPA 704.
- n. **IFC 5704.3.7.5.2 Portable fire extinguisher.** Not less than one approved portable fire extinguisher complying with Section 906 and

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having a rating of not less than 20-B shall be located not less than 10 feet or more than 50 feet from any Class I or II liquid storage area located outside of a liquid storage room.

- o. **NFPA 32.3.1.1 Tire Storage Manual Firefighting Equipment.**
At a minimum the following items shall be maintained on site and in working order; 2A:10BC fire extinguisher, one 2.5 Gallon water extinguisher, on 10-foot long pike pole, one rigid rake, on round point shovel, and one square point shovel.
- p. **IFC 5704.3.3.3 Clear Means of Egress.** Storage of any liquids, including stock for sale, shall not be stored near or be allowed to obstruct physically the route for egress.
- q. **IFC 5704.4.6 Clearance from Combustibles.** The storage area shall be kept free from weeds, debris and combustible materials not necessary to storage. The area surrounding an exterior storage area shall be kept clear of such materials for a minimum distance of 15 feet.
- r. **IFC 5704.4.8 Empty Containers and tank storage.** The storage of empty tanks and containers previously used for the storage of flammable or combustible liquids, unless free from explosive vapors, shall be stored as required for filled containers and tanks. Tanks and containers when emptied shall have the covers or plugs immediately replaced in openings.
- s. **NFPA 32.1.1.7** Piles of tires or altered tire material shall not be located beneath power lines or structures.
- t. **NFPA 32.1.1.8** Provisions for surface water drainage and measures to provide protection of pyrolytic oil run-off shall be directed around and away from the outdoor tire storage site to an approved location.
- u. **NFPA 32.4.5.1** Signs containing the following information shall be posted at site entrances.
 - 1) The name of the operator
 - 2) The operating hours
 - 3) Emergency telephone numbers
 - 4) Site rules
- v. **NFPA 32.4.6** The facility shall have noncombustible fencing at least 10 ft high with intruder controls on top (in accordance with local laws)
- w. **NFPA 32.5.1.2** Potential ignition sources such as welding, smoking, or other open flame uses shall not be allowed within 20 feet of tire storage.

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V SITE INSPECTION

Upon approval of Flammable and Combustible Liquid Use and Storage Permit Form, a Denver Fire Department Fire Prevention Inspector will conduct a field inspection of the site. Compliance with all Fire Code requirements shall be maintained at all times. Permits shall be kept on site and posted. Permits are valid for the business/property owner, time frame, and site address indicated on the permit.

A permit may be revoked when:

- A.** Any of the conditions or limitations set forth in the permit have been violated.
- B.** Compliance with written orders has not been achieved
- C.** False statements or misrepresentations of information provided in the permit application are discovered.
- D.** The permit is issued in error or in violation of a City Ordinance, or a Fire Code violation exists.

Automotive Auto Salvage Yard Permit Application

This form shall be filled-out and signed by a representative of the site applying for the permit(s). it shall be returned to the fire prevention division, 745 W. Colfax Ave., 1st floor, Denver, CO, 80204. make check payable to Denver Manager of Finance. Walk-in permit processing 7:00 a.m. to 9:30 a.m. only, Monday - Friday. a permit will not be issued if the form is not complete and accompanied with a plot diagram, and fee.

NAME OF BUSINESS:

BUSINESS ADDRESS: _____ CITY, STATE _____
ZIP _____

PERMIT SITE ADDRESS _____ DENVER, CO.
ZIP _____

CONTACT'S NAME:

CONTACT'S PHONE NUMBER: _____

EMAIL: _____

HOURS OF OPERATION: _____ TO _____

IS THERE ANY WELDING OR CUTTING AT THIS SITE? YES ____ NO ____

IS THERE MORE THAN 500 TIRES OR 2500 FT² OF TIRE STORAGE? YES ____ NO ____

- PROVIDE A PLOT DIAGRAM (SKETCH OF SITE) SHOWING THE LAYOUT OF THE PROPERTY AND BUILDING. INCLUDING PROPERTY LINES, BUILDING FLOOR LAYOUT, ROADS, VEHICLE ACCESS POINTS, FIRE EXTINGUISHER LOCATION, VEHICLE PROTECTION, PROPER SIGNAGE FLAMMABLE STORAGE, TIRE STORAGE AND BATTERY STORAGE IF APPLICABLE. DIAGRAM MUST SHOW NORTH AND STREET OF ADDRESS.
- PHOTO COPY OF COLORADO DRIVER'S LICENSE OR OTHER STATE CERTIFIED IDENTIFICATION.

I UNDERSTAND THAT THE DENVER FIRE PREVENTION DIVISION PERSONNEL WILL CONDUCT A SITE INSPECTION AND IF I DO NOT COMPLY WITH DENVER'S FIRE CODE, MY PERMIT MAY BE REVOKED WITHOUT A REFUND.