ORDINANCE 542

(Continued from Preceding Page)

rets by tank truck, tank car or pipeline shall be constructed and operated in accordance with the requirements of the following rules in distribution of flammable liquids other than petroleum products but using bulk handling methods and equipment similar to that employed in petroleum distribution shall comply with all applicable provisions

hereof.

304.48 Pump House.

304.54 Motors and pumps used in connection with handling of a south and pumps used in connection with handling of form the pump of th

All doors of pump fouses shall open outward, and ade-lation shall be provided at the floor level. Spartle Pumps: Pumps used for Class I or II liquids Warehouse. 500.48-4 Separall not be used f
Wareho
Warel

500.49 Merchouse.
500.49-1. Warehouse shall be so constructed that refuse cannot accumulate under the building.
1 liquids shall not be permitted inside of the warehouse.
100.40 Merchouse Storage of Class II liquids shall not be permitted except in original sealed containers in compliance with Section 500.10-3 and no transfer of liquids from such containers to other containers shall be made inside of the warehouse.
100.00 gallous in original sealed containers.

and no transfer of liquids from such containers to other containers shall be made inside of the warebuse.

500,9.3: Storage of Class III liquids shall not exceed a total of 10,000 gallons in original scaled containers.

500,9.4: Storage of flammable liquids other than Class I, II and III with a flash point of not less than three hundred (300) degrees Fahrenheit in approved scaled containers shall not exceed a total of the containers which is the containers of the containers o

combustible construction and shall have no pits, holes, pockets, or noor drams direct to sewer unless with approved type interceptors. The wearing surface shall be of non-combustible material.

600.07 Roof & hoursays.
600. from accumulations of grease, oil spillage and combustibles at all times:

590.50 Garage.—Floor of garage shall be of concrete or other moneombustible material land directly on the ground or on a well manufactured of the ground or on a well control of the ground or on a well carry of flammable vapors which may accumulate. No flammable is good to the ground of the

500,52 Tank FIECK LINDSLING and between the control of boding docks: Tank truck loading docks and platforms shall not be less than (5) five feet from storage tanks, plant buildings or property lines. (See section 500,18 Table 1, 100,0522 Electrical Equipment: Mail electrical lights at tank truck, buildings, and the seeds of the control to the property of the Switches and the control of the con

loading docks shall be of the approved vapor-proot type. Swinces awiring shall be explosion-proof.

509.573 Pumps and Fipe lines: Class I or II flammable liquide shall never be loaded or unloaded through the same pump and pipe shall never be loaded or unloaded through the same pump and pipe 509.524. Loading and unloading devices shall have a definite color scheme or other plan of identification.

509.524 Loading and unloading devices shall be grounded in an effective manner to most carth. Before tank truck loading or unloading devices. Such bond shall be made by No. 14 or heavier stranded copper, or its equivalent with a claim attachment.

of and before any superior the tank car some the content of the cars at an and the piping system of storage plant.

5.3.2 The whithrawal of Class I liquids from railroad tank cars up bottom outlet shall be unloaded through dome transher only though the cars stand and the piping system of storage plant.

6.3.2 The whithrawal of Class I liquids from the cars stand and the piping system of storage plant.

6.3.2 The whithrawal of Class I liquids from a cars shall be unloaded through dome transher only though the cars stand and the piping system of cars shall be unloaded through dome transher only the cars of any tank car or tank is prohibited.

8.3.3 After unloading pipe is inserted into dome of tank car are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping is dome, dome shall be tightly evered arith we are any pumping in dome dome of the were any pumping in dome dome of the were any pumping to the province of the provinc

sing stop signs which shall be displayed while tank cars are.

S. The use of flame lanterns, or other exposed flame lights prohibited during the process of loading or unloading. Storage of Barrels and Drum-Class I liquids whether full shall be stored in the open or on open platform in plant forms may have roofs. No open lights shall be permitted in the property laded to the process of the property laded to the property laded to be pudded only or drump pained RED and properly laded be hapidled only or drump pained RED and properly laded be hapidled only or drump since RED and properly laded to the property laded to the property laded by the property laded to the property laded by the property laded by the property laded by the property laded and the property laded and the property laded and the property laded by the property

immediately after container is emplaced, Gassoline Shall be handled only immediately after container is emplaced. Gassoline Shall be pasted as a sin these rules defined.

500.55 Warming Nigna. Bulk plant premises shall be posted warming Signa. Bulk plant premises shall be posted warming states. Bulk plant premises shall be posted warming states. The Protection—Bulk Planta.—Suitable first-aid fire-control devices, such as small hose or portable extinguishers, shall be available to locations where fires are likely to occur. Fire extinguishing first-aid devices shall be located notive Additional first-centrol equipment shall be required where a tank of more than 50,900 gallons individual cancety contains Class I or Class II flammable liquids and where an unusual exposure hazard exists from surrounding property, a fire in the largest tank. The design and amount of such equipment shall be as approved by the Bureau of Fire Prevention. 500.57 Venitation—Rooms in whire Class I and all I liquids are heated or otherwise treated in such a manner as to produce a flammable vapor, shall be well ventilated. Where natural ventilation is not sufficient the Chief of the Bureau of Fire Prevention square inches in the wall at the floor level near each such open receptacle containing such liquids, or each heating device from which vapors may escape, and opposite to any door or other ar inlet. Such yapors may escape, and opposite to any door or other art inlet. Such yapors may escape, and opposite to any door or other art inlet. Such yapors may escape, and opposite to any door or other art inlet. Such yapors may escape, and opposite to any door or other art inlet. Such yapors may escape, and opposite to any door or other art inlet. Such yapors may escape, and opposite to any door or other art inlet. Such yapors may escape, and opposite to any door or other art inlet. Such yapors may escape, and opposite to any door or other art inlet. Such yapors may escape, and opposite to any door or other art in the yapors and shall be kept clear

CHAPTER VI

DRY CLEANING AND DRY DYEING

Licenses and Permits.

Licenses and Permits.

No commercial dry cleaning or dry dyeing shall be perthe City of Birmingham without a license having been obmite City Clerk.

No license shall be issued for the operation of a dry or dry dyeing plant unless such plant conforms to the reta of this ordinance.

No dry cleaning or dry dyeing equipment shall be included in the conformation of the city of Birthout the conformation of the city of Birthout of the city of Birthout or the city of

ingham 600.01-4 eaning or g complie ode of the 600.01-5

thout a permit having been obtained from the City of Bir-for such installation.

No permit shall be issued for installation of any dry rdry deging equipment in any building unless such building rdry deging equipment of the company.

No permit shall be issued for installation of any dry or dry dyeing equipment unless such lequipment has been approved by the Uniterwirer's Laberstories, or has approv-able to the Uniterwirer's Laberstories, or has approv-lenged to the City of the City of the City of the City and the City of the City of the City of the City of the All applications for permits or licenses for the opening of aning or dry dyeing establishment, or for the alteration of into any existing business shall be acompanied by a complete ans and aperfications covering such building, alterations are also predicted to the control of the City of the type of the City of the City of the City of the City of the type of the City of the City of the City of the City of the control, flash point of solvent to be used, pumps, washers, molers, extractors, filter traps, atills, condensers, piping, etc.

60.02 Classes of Installation.
600.02-1 As a means of determining the class of installation into who declaring system may fall, the following schedule shall be employed:
600.02-2 Systems utilizing flammable solvents having a flashpoint of 100 degrees F or higher, shall be a Class I system:
600.02-3 Class II. Systems employing equipment with automatic fire and explosion safeguards and which are no constalled as to control automatically the flow of air and temperature therein and by such control to operate under all conditions without formation of explosive or flammable vapor air atmosphere within the machines, and with provisions to flood automatically the interior thereof with saternative flammable and the state of the stat

600.02 Classes of Installation.
600.02-1 As a means of determining the class of installation into which a dry cleaning system may fall, the following schedule shall

se revocable forthwith, at any time the conditions of this ordinance reviolated, 600.01 Dry Cleaning in Buildings with other Occupancies.—Dry Jeaning operations in ocean tabil be carried on it the same build-leading the state of the state

600.17 Solvent Storage Tanks.—All solvent storage tanks shall be underground and installed and equipped in a manner as required by the flammable liquid requirements of this ordinance.
600.18 Treatment Tanks or Purifiers.—Above ground treatment tanks and purifiers shall be safeguarded as follows:
500.18-1 Such containers shall not have an individual capacity in excess of 1,000 gallons.
600.18-2 Containers shall be securely mounted on rigid incomfounds.

excessive pressure.
600.19-6 There shall be provided at suitable points in the pipe lines of all continuous systems, a quick-acting valve for completely emptying all pipes and traps in the system to the underground tanks when the tanks are present.
600.19-7 All clarifiers shall be periodically inspected and repairs

pury.

600.20-8 Individual button and lint traps shall be provided for eac

asher.

600.21 Washing Machines.—Washing machines, in additions with the preceding general requirements, shall be in plying with the preceding general requirements, snan be in accordance with the following: 600.21-1 The cylinders and shells of all washing machines shall be permanently and effectively grounded. The grounding of the

The control of the co

through the end of the shaft, unbler shall be provided with a steam jet, of size, for steaming during the drying process, unblers shall be ventilated to the outside air y constructed pipes and ducts connected to an end of the steaming during the drying process.

a of sufficient varieties of the discharge production of not less than 6 feet above the root, and shall be produced by the feet above the root, and shall be produced by the feet above the root, and shall be feet above the root shall be feet above the feet above

receding general requirements, small or in dislowing:
600,21-1 Extractors shall be of substantial design and construction and accuracy attached to rapid incombustible supports.
600,21-2 The baskets shall have a rim of non-ferrous metal and 600,21-3 Extractors shall be provided with a cover of non-ferrous metal or braces screen held in a substantial frame.

closing fire doors, and masonry sill of sufficient height to retain fluis the minimum of three (3) inches shall preferably be conducted in 600.09 Drying Room.—Drying and the preferably be conducted in 600.09 Drying Room.—Drying are tumblers which may be located in the dry cleaning room, but where tumblers or cabinets are located in separate rooms in the cleaning plant, such rooms shall be constructed with walls, partitions and echings of material capable of furnishing one (1) hour's resistance to fire, and having self-closing of cabinets or tumblers, the dry room shall be built of construction equivalent to that of the dry cleaning plant. If the drying or dry come is in a separate building, the building shall conform in all resistances of the drying and the drying areas when the drying areas were the drying areas when the drying areas says be that furnished with the equipment if found to be adequate. Otherwise, independent mechanical ventitation shall be furnished which will afford a minimum of 12 air changes per hour. The drying areas in the drying areas in the drying areas in the drying areas and the drying areas are drying areas and the drying areas and the drying areas are drying areas and the drying areas are drying areas. 600.21-5 The outside shell of extractors shall be permanently and effectively grounded.
600.21-6 Brakes, if used, shall be so designed as to prevent the striking of sparks or developing of excessive heat.
600.23 Scrubbing Tube & Brushing Tables.—Articles of which prevents their weak-new the first way to be supported by the prevention of the prevent of the strike of the prevent o

400.11. Ventilation Electrical Equipment.—Exhaust and ventilating fan motors in ventilation systems small be of a type approved for hazardous locations.
600.12 Exhaust Fans.—Spiders, blades or all running rings of exhaust fans shall be of non-ferrous and non-combustible metal.
600.13 Eighting.—Lighting shall be in accordance with the approved requirements. All electrical wring in dry cleaning rooms other sections subject to flammable vapors shall be installed in accordance with control of the c

perform.
othes, when received at the plant, shall be of

ap covers shall be kept securely in place.

og System.

very of fire the ventilating system shall be

t all other times are trap covers assume the constitution of the constitution of the constitution of the constitution of the ventilating system shall be ut down immediately.

One of the reliable operation of the steam or other that reliable operation of the steam or other thinguishing systems may be ensured, periodic inspections of all views and piping shall be made. Steam lines shall also be subjected

t. 36 Sludge Removal.—So far as feasible sludge deposits formed

to discharge the entire common within a period of five (5) minutes where there are such underground isterage tanks. The state of the continuous systems are continuous as the continuous and the continuous and the continuous and the continuous are continuous as the continuous and the continuous are continuous as the continuous and the continuous are continuous as the continuous and the continuous and the continuous and the continuous are continuous and the continuous and the continuous and the continuous are continuous and the continuous and the continuous are continuous and the continuous and the continuous and the continuous are continuous and the con

flammable liquids are stored or used. In aduttor, more some approved fire extinguisher of a type suitable for combustible material at the entrance to each room where clothing is hung or stored. 600.38 Fire Extinguishing System for extinguishing equipment, arranged to operate automatically or by remote control, consisting of a carbon dioxide system in accordance with the standards for carbon dioxide fire extinguishing systems as approved, or a steam jet not less than 8 and less than 16 fifteen pounds per square facility of the standard for the s

Systems equipped with and which, in any conatmosphere within the machines, and with provisions to flood automatically the interior thereof with saturated steam in the event of failure of the other automatic safeçuards: Provided, that systems in this class shall utilize flammable solvents having a flashpoint of not less than 1882 degrees F.

Is a specification of flammable solvent which shall be used in class II operations:

Flash point (closed cup) Not lower than 59 Degrees C. (138.2° F) Initial boiling point Not lower than 181°C. (357.8°F)

Ignition temperature Not lower than 181°C. (357.8°F)

Ignition temperature Not lower than 181°C. (450.2°F) outme in Not lower than 181°C. (450.2°F) outme in air at an initial temperature of 150°C.

specifications of naminance sources to con-rations:

Not lower than 181°C. (138.2° F)
Not lower than 181°C. (157.8° F)
Not lower than 184°C. (158.2° F)
Not the specification of Spontaneous heating

Note 1.

Note 1.

Disping cleaning systems of this class are suitable for use on the property of the cleaning liquids specified above. Safety of operation may endangered if cleaning liquids other than those specified are used if equipment not tested and listed for use with the specified liquids

resultance to tested and issess on the same physical polyced.

ite. 2.

Systems employing solvents conforming with the above specifications to not provided with approved equipment as defined above, shall be supposed to the configuration of this ordinaries.

604.0 Building Location & Construction.

604.0-1 The requirements of this section are based upon locations.

604.0-2 In cases where dry cleaning plants of this class are located the same buildings with other occupancies, such plants shall be cut therefrom vertically and horizontally by construction providing. One flour's revisioner to the construction where the construction is constituted in the constitution inclined as the constitution with the dry cleaning business.

cylinder in each case shall be through the end of the shaft and across the surface of the cylinder.

600.21-2. Each washing machine shall be provided with an overflow pipe one size larger than the size of the solvent supply line to the pipe one size larger than the size of the solvent supply line to the washer so that the top of the overflow is held of the washer so that the top of the overflow is held of the washer so that the top of the overflow is held of the washer so that the top of the overflow is held of the washer so that the top of the overflow is held of the same than the search of the s

600.45-5 Gauge glasses and look boxes or windows shall be of a

iquid-tignt.

600.15-5 Gauge glasses and look boxes or winnows yee not readily damaged by heat and shall be reliably protected from yeaking and mechanical injuries, and extractor drain tanks shall shall be a superior of the shall be shall be shall be shall be greatered by the shall be permanently and effectively grounded. The grounding of the cylinder in each case shall be through the end of the shall shall be greatered by the shall be through the end of the shall shall be surface of the cylinder. The walls of drying cabinets and the outside shell of extractors 600.15.8 All pumps handling solvent shall be devices approved for use with hazardous liquids, and when of the piston, retary, or gear type, shall be fatted with a relief value and by-pass set so as to pre-size pressures.

shall be fitted with a relief vaive and oxygoes so accessive pressures.

14.5.9 When understanding and settling tanks are used, 14.5.9 When understanding and settling tanks are used. 14.5.1 between the state of th

anks, in addition to complying with the preceding general require-nest, shall be in accordance with the following solvent tank, dirty sol-600.45-1 Solvent containers such as clean solvent tank, dirty sol-apacity not in Everse of 15th follows. Ever Aball have an individual apacity not in Everse of 15th follows. Ever Aball have an individual of 800.46-2 Each above ground storage tank, extractor, drain tank of still shall be provided with a liquid level gauge, preferably of

509.46.2 Each above ground storage tank, extractor, drain tank datill shall be provided with a liquid level gauge, preferably of a approved magnetically operated float type, if it is impgactical use a float type gauge, sight classes may be used, but they shall of a type not readily damaged by heat and shall be reliably protect from breakage and mechanical injury. y. e as possible to the wash

receding general requirements, shall be in accordance with the fol-wing: 600,19-1 The baskets shall have a rim of non-ferrous metal and

00.19-1 The backets shall have a rim of non-terrous measure.

It is well balanced.

10.09-2 Extractors shall be provided preferably with liquid-tight

ers or they shall be designed so that none of the liquid solvent is

sown out of the extractor while it is in operation. Covers shall be

ipped with automatic mechanical or electrical interlocks which will

hibit operating the extractors while the covers are open and which

prohibit opening the covers until the power driving the backets

ctors shall be provided with a drain pipe not less cond. 9.4. Extractors shall be provided with a drain pipe not less an 1½ inches in diameter connected direct to underground storage anks, to a suitable above ground container, or to the washer through napproved extractor pump with connections fitted with proper valves, 600.19.1 Brakes, if used, shall be so designed as to prevent striking 600.19.1 Brakes, if used, shall be so designed as to prevent striking 600.50 Braing Tumblers—propring tumblers and drying cabinets, addition to complying with the preceding general requirement. 600.50-1 Drying tumblers and drying cabinets shall be constituted for the following: the strike of the strike of the following cabinets shall be constituted for the following cabinets with the machine of the following the following cabinets with the machine of the following cabinets with the formation of flammable mixtures of vapor and air. It is a strike the following cabinets and the machine is being ionated or unbaseled. It is not the machine is being ionated or unbaseled, and the necessary automatic countrels and intercheck shall be integral arts of the machine. Fan blades shall be of non-ferrous and non-ombatible materials.

reies.

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hot water only shall be used to secure the
in the drying tumblers and cabinets.

necessary temperature in the drying (amblers and cabinets, 600.50.6 The fan incorporated in a drying tumbler or drying cabi-net shall be properly housed and so interlocked as to insure operation while the machine is in use. The fan spiders, blades, or rounting rings 600.50.7 Drying tumblers and cabinets shall be ventilated to the utiliste air by means of urnewly constructed nines and dates.

600.50-7. Drying tumblers and cabinets shall be ventilated to the tustide air by means of properly constructed pipes and ducts consected to the exhauts side of the fan incorporated in the machine. Such ischarge pipes shall be carried to a height of not less than 6 feet bowe the roof and shall be provided with cleanout facilities. 600.50-8. Discharge pipes shall not terminate within 10 feet measured horizontally from any door, window, or frame wall of any adding building. 600.50-9 Drying tumblers shall be provided with interlocks so that he cylinder cannot be power-driven while the access door is open. 600.51 Stills & Condensers,—Stills and condensers, in addition to omplying with the preceding general requirements, shall be in accordance with the following:

complying with the neceding general requirements, shall be in accordance with the following:

600.51-1 Steam or hot water only shall be used as a source of the steam supely line to the still, generally gave shall be installed in the steam supply line to the still.

600.51-2 They shall be liquid and gas tight.

600.51-3 Stills shall be designed for operation on the vacuum principle, Pressure-operated stills shall be prohibited.

600.51-4 The vent line from the vacuum release valve shall extend to the outside of the building.

ond to the outside of the outside.

600.51-5. A check valve shall be in the steam line between the oiler and the still.

600.51-6. Each still shall be provided with a combination vacuum

office and the still-office and the still-office and the still shall be provided with a commination of depressure gauge.
600.51.7 Each still shall be equipped with a constant level valve (Continued on Next Page)