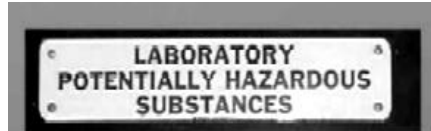


HAZARDOUS CHEMICAL INSPECTIONS

The FDNY performs inspections throughout the City of New York for the proper storage of hazardous chemicals. Inspections are performed to enforce regulations that protect the public and property exposed to fire caused by improperly stored chemicals.

The LABORATORY UNIT routinely inspects facilities that use or store hazardous chemicals. The storage and use of most hazardous chemicals requires a permit from the Fire Department.



What types of occupancies are typically inspected by the LAB UNIT?

- Hospitals & Nursing Homes
- Universities, Colleges, Schools (public & private)
- Laboratories (research & diagnostic)
- Manufacturing Facilities/Factories



What types of hazardous chemicals require a permit issued by the LAB UNIT?

➤ HAZARDOUS CHEMICALS

- **Flammable Liquids (flashpoint under 100 degF)** - Permit required for more than **5 gallons** at any one location. **Examples:** Ethanol, Methanol, Turpentine, Acetonitrile, Xylene, Ether, Naphta, Toluene, Isopropanol, Dioxane, Heptane, Tetrahydrofuran, Acetone, Propylene Oxide.
- **Combustible Liquids (flashpoint between 100 & 300 degF)** - Permit required for more than **10 gallons** in any one location. **Examples:** Formaldehyde, Propylene Glycol, Mineral Spirits.
- **Corrosive Acids** - Permit required for **15 gallons** or more at any one location. **Examples:** Nitric Acid, Sulfuric Acid, Hydrochloric Acid, Muriatic Acid, Perchloric Acid, Chromic Acid, Phosphoric Acid, Hydrofluoric Acid.
- **Flammable Solids** - Permit required for more than **one pound** at any one location. **Examples:** Sodium, Magnesium, Picric Acid, Naphtalene, Sulfur, Nitrocellulose, Calcium, Sodium Hydrosulfite, White Phosphorous, Lithium Aluminum Hydride, Potassium, Lithium.
- **Oxygen with Flammable Gas (torch use)** - Permit is required at all times. **Examples:** Oxygen with piped (utility) Natural Gas.

- **Oxidizers** - Permit required for more than **one pound** at any one location. **Examples:** Nitrates, Nitrites, Hypochlorites, Dichromates, Chlorates, Chromic Acid (solid), Permanganates, Hydrogen Peroxide, Sodium Peroxide.
- **Laboratory** - Permit required for **32 ounces** or more of flammable liquids, **0.15 ft³** or more of flammable gases, or **0.5 lbs.** or more of oxidizing material at any one location. **Examples:** Medical Laboratories, Research Laboratories, High School Laboratories, College Laboratories or University Laboratories.

➤ COMPRESSED GASES



- **Flammable Non-Liquefied Gases** - individual cylinder exceeding **2.5 ft³** or total storage exceeding **10 ft³**. **Examples:** Carbon Monoxide, Ethylene Oxide (over 12%), Hydrogen, Methane.
- **Non-Flammable Gases** - individual cylinder exceeding **2.5 ft³** or total storage exceeding **20 ft³**. **Examples:** Argon, Oxygen, Nitrous Oxide, Chlorine, Carbon Dioxide, Helium, Anhydrous Ammonia, Nitrogen, Ethylene Oxide (12% or less).
- **Non-Flammable Liquefied Gas** - individual cylinder exceeding **1.5 ft³** (~12 gallons) or total storage exceeding **12 ft³** (~90 gallons). **Examples:** Liquid Oxygen, Liquid Nitrous Oxide, Liquid Argon, Liquid Helium, Liquid Nitrogen, Liquid Carbon Dioxide.

Note: Cubic foot (ft³) capacities are in water capacity of container, not gas capacity.

I need a permit; who should I contact with questions about permit requirements? How do I get an inspection from the LAB UNIT?

- Call the LAB UNIT at (718) 999-2502. They can answer your questions, or refer you to another Unit if necessary.

I received a Violation for not having a Certificate of Fitness. What is a Certificate of Fitness? How can I correct the Violation?

- Supervision of the use or storage of most hazardous chemicals requires that an individual obtain a Certificate of Fitness from the Fire Department.
- There is much information on this website. By clicking [Certificate of Fitness](#), you will find study material and procedures to obtain a Certificate.



Many other chemicals have high risk potential and are regulated by the FDNY. The use, storage, *or storage for sale*, of any of the following items may require a permit, depending on quantities and/or use of the product. This is only a partial list used to provide examples of products commonly used or stored:

- lube oil
- fuel oil
- LPG (propane) & Mapp Gas
- acetylene/oxygen
- carbon dioxide for soda carbonation (example: restaurants)
- industrial gas suppliers (storing gas cylinders for sale/exchange)
- paints
- dental labs/jewelry repair shops using a flammable gas cylinder for torch use
- flammable/combustible liquid in retail shops

These chemicals are inspected by the **DISTRICT OFFICE (D/O)**. The D/O is divided into **District Office coverage areas**. By locating your local District Office, you can call to arrange an inspection.

Below are the D/O telephone numbers to arrange inspections:

<u>D. O. Telephone</u>	<u>Management</u>	<u>Address</u>	<u>Coverage</u>
HQ 718-999-2457 718-999-2458 718-999-2465 718-999-1023 718-999-1627	Laura Squassoni, Dir. Samuel Asamoah, Dep.Dir. Richard Shaw, Deputy Chief Inspector (D.C.I.)	9 MetroTech Ctr. 3rd Floor, 3S-14 Brooklyn, NY, 11201	FDNY Headquarters
01 718-999-0634 718-999-2929 718-999-2428 718-999-2073	John Tuah, D.C.I. William Dease, D.C.I.	Temporarily relocated to : 9 Metrotech Ctr., 3rd fl, Bklyn, NY,11201 from 104 Duane Street, NYC, 10007	Lower Manhattan
03 718-999-1052 718-999-2919 718-999-2842 718-999-1434 718-999-2667	Daniel McBeth, D.C.I.	Temporarily relocated to : 9 Metrotech Ctr., 3rd fl, Bklyn, NY,11201 from 104 Duane Street, NYC, 10007	Manhattan- Mid-Town Upper East Side Upper West Side
05 718-430-0231` 718-430-0291	Nyron Grant, D.C.I.	1129 East 180th St. Bronx, 10460	Washington Heights West Bronx Upper Harlem Riverdale
06 718-430-0231` 718-430-0291	Nyron Grant, D.C.I.	1129 East 180th St. Bronx, 10460	South Bronx
07 718-430-0257 718-430-0267	Edward Connelly, D.C.I.	1220 Castlehill Ave. Bronx, 10456	East Bronx
08W 718-494-4292	Raymond Lopez, D.C.I.	3730 Victory Blvd. Staten Island, 10314	Staten Island
08E 718-331-9400 718-331-9337 718-331-9323	Telford Heath, D.C.I.	2312 65th St. Brooklyn, NY, 11204	Brooklyn- Bay Ridge Coney Island Bensonhurst
11 718-999-2451 718-999-2452	Masood Ahmed, D.C.I.	9 MetroTech Ctr. 3rd Floor, 3S-81-K Brooklyn, NY, 11201	Brooklyn- Downtown Park Slope Boro Park Williamsburg Brooklyn Heights
13 718-476-6271 718-476-6281 718-441-3717	Compton Ross, D.C.I.	91-45 121 St. Richmond Hill Queens, 11418	Southern Queens
14 718-352-8092 718-352-8160 718-352-8279 718-352-8308 718-352-8829	Pierre PierreCharles, D.C.I.	Fort Totten Building 400A Bayside, Queens, 11359	Northern Queens
15 718-999-2454 718-999-2455	Phahatama Darsanial, D.C.I.	9 MetroTech Ctr. 3rd Floor, 3S-77-K Brooklyn, NY, 11201	Brooklyn- Bedford Stuyvesant East New York, Bushwick Canarsie & Flatbush.



INSTRUCTION FOR PROCESSING

FORM NAME: HAZARDOUS CHEMICAL REGULATIONS & INSPECTIONS

FORM NUMBER: INTDOC - 1/2002

PURPOSE OF FORM:
PROVIDE BUSINESSES & INDUSTRIES WITH FDNY REGULATIONS & INSPECTIONS REGARDING HAZARDOUS CHEMICALS

WHO SHOULD USE THIS DOCUMENT?
HOSPITALS & NURSING HOMES, UNIVERSITIES, LABORATORIES, MANUFACTURING FACILITIES, & GENERAL INDUSTRIES

SPECIAL INSTRUCTIONS
THIS DOCUMENT IS A SUMMARY & NOT MEANT AS A FULL OR COMPREHENSIVE LISTING FOR ALL PERTINENT REGULATIONS.

PAYMENT INFORMATION
IS PAYMENT REQUIRED? YES IF SO, WHEN? AFTER INSPECTIONS ARE PERFORMED NEW YORK CITY FIRE DEPARTMENT DO NOT SEND CASH!!!!

SPECIAL INSTRUCTIONS
NONE

FOR FURTHER QUESTIONS, CONTACT:
New York City Fire Department Bureau of Fire Prevention Attention: 1 LABORATORY UNIT, 718-999-2502 2 IF DISTRICT OFFICE, FIND LOCAL DO OFFICE FOR INFORMATION.