

Fire Prevention Bureau

Personnel

EIGHT FIRE PREVENTION PERSONNEL

1 - DIRECTOR OF FIRE PREVENTION / INVESTIGATOR (FULL-TIME)

1 - DEPUTY DIRECTOR OF FIRE PREVENTION (PART-TIME)

1 - INSPECTOR / PLAN REVIEW SPECIALIST (PART-TIME)

3 – INSPECTOR / INVESTIGATOR (PART-TIME)

1 – INSPECTOR (PART-TIME)

1 - ADMINISTRATIVE ASSISTANT (FULL-TIME)



Fire Prevention Bureau Reviews

PLANS TO CONSTRUCT OR MODIFY BUILDINGS, FIRE ALARM SYSTEMS,
FIRE SPRINKLER SYSTEMS OR PRE-INSTALLED SYSTEMS ARE REVIEWED
FOR ACCEPTANCE PRIOR TO WORK BEING STARTED.



Fire Prevention Bureau

Inspections

1. NEW STRUCTURES PRIOR TO OCCUPANCY
2. NEW SPACES OR REMODELS PRIOR TO OCCUPANCY
3. CHANGES IN OCCUPANCY
4. SPRINKLER SYSTEM ACCEPTANCE TESTS
5. FIRE ALARM SYSTEM ACCEPTANCE TESTS
6. ANNUAL LIFE SAFETY INSPECTIONS
7. RE-INSPECTIONS



Fire Prevention Bureau

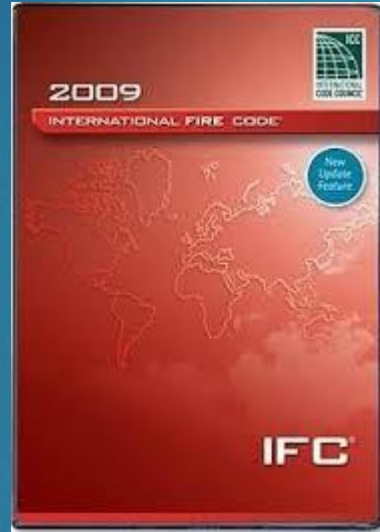
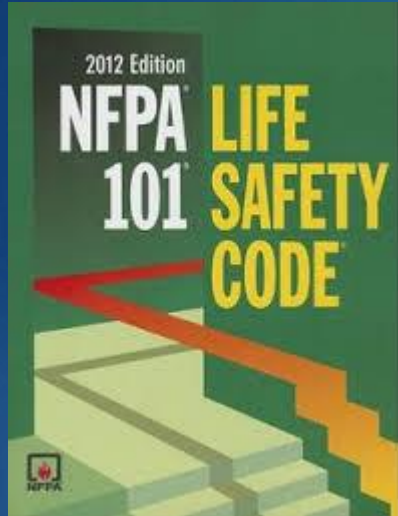
Activities

FPB SERVICES JANUARY 2018 TO SEPTEMBER 2018

- 1. 2510 INSPECTIONS**
- 2. 241 SERVICE PROVIDER INSPECTIONS**
- 3. 115 PLAN REVIEWS**
- 4. 319 INVESTIGATIONS, TRAINING, PUB-ED EVENTS**



Tri-State Fire Protection District Adopted Codes



2000 EDITION OF NFPA LIFE SAFETY CODE IS ILLINOIS LAW

2009 EDITION OF INTERNATIONAL FIRE CODE IS LOCAL ORDINANCE

NFPA NATIONAL FIRE CODES ARE REFERENCED IN IFC

ALL CODE BOOKS ARE AVAILABLE FOR REVIEW BY APPOINTMENT



Ethylene oxide

ETHYLENE OXIDE (ETO) IS A FLAMMABLE, COLORLESS GAS AT TEMPERATURES ABOVE 51.3 °F (10.7 °C) THAT SMELLS LIKE ETHER AT TOXIC LEVELS.

ETO IS FOUND IN THE PRODUCTION OF SOLVENTS, ANTIFREEZE, TEXTILES, DETERGENTS, ADHESIVES, POLYURETHANE FOAM, AND PHARMACEUTICALS.

SMALLER AMOUNTS ARE PRESENT IN FUMIGANTS, STERILANTS FOR SPICES AND COSMETICS, AS WELL AS DURING HOSPITAL STERILIZATION OF SURGICAL EQUIPMENT.

[HTTPS://WWW.OSHA.GOV/OSHDOCUSDATA_GENERAL_FACTS/ETHYLENE-OXIDE-FACTSHEET.PDF](https://www.osha.gov/oshdocusdata_general_facts/ethylene-oxide-factsheet.pdf)



Regulatory Agencies

ENVIRONMENTAL PROTECTION AGENCY

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

CENTERS FOR DISEASE CONTROL

HOMELAND SECURITY

STATE OF ILLINOIS

DU PAGE COUNTY

VILLAGE OF WILLOWBROOK

TRI-STATE FIRE PROTECTION DISTRICT



Tri-State Fire Protection District

WHAT CAN WE REGULATE OR ENFORCE?

- STORAGE LIMITS
- FIRE SPRINKLER SYSTEMS
- FIRE ALARM SYSTEMS
- INTERNATIONAL FIRE CODE AS ADOPTED BY LOCAL ORDINANCE
- NFPA LIFE SAFETY CODE AS ADOPTED BY THE STATE OF ILLINOIS



Tri-State Fire Protection District

WHAT WE CAN'T REGULATE OR ENFORCE?

- ZONING LAWS
- EMISSIONS
- TYPE OF MATERIALS STORED ON SITE



Ethylene Oxide

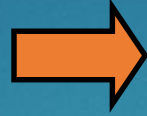
ETHYLENE OXIDE IS CLASSIFIED BY IFC & NFPA AS A CLASS 1A LIQUID.

Class IA liquids are liquids that have flash points below 73 °F (22.8 °C) and boiling points below 100 °F (37.8 °C). Additionally, unstable flammable liquids are treated as Class IA liquids. Typical Class IA liquids include ethylene oxide, methyl chloride, and pentane.



Follow the code

IFC Chapter 27
Hazardous Materials
General Provisions



IFC Chapter 34
Flammable and
Combustible Liquids



NFPA 560
Standard for the Storage,
Handling, and Use of Ethylene
Oxide for Sterilization and
Fumigation



NFPA chapter 30
Flammable and Combustible
Liquids Code



NFPA 560

NFPA 560 - STORAGE, HANDLING AND USE OF ETHYLENE OXIDE FOR STERILIZATION AND FUMIGATION

5.2.2 Storage Within Sterilization Buildings.

5.2.2.1* The maximum quantity of ethylene oxide stored in a special sterilization building or special room shall be 4536 kg (10,000 lb).

