

The Fire Department of the City of New York  
Health and Safety Training for Incident Commanders

**AGENDA**

	Day 1	Day 2	Day 3
8:00	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• 1910.120</li> </ul>	<ul style="list-style-type: none"> <li>• Hazard Recognition- 6 Clues</li> </ul>	<ul style="list-style-type: none"> <li>• Resources / Decon.</li> </ul>
9:00	<ul style="list-style-type: none"> <li>• Hazard Recognition</li> <li>• Types of Hazards</li> </ul>	<ul style="list-style-type: none"> <li>• Incident Characterization</li> </ul>	<ul style="list-style-type: none"> <li>• Incident Command System</li> </ul>
10:00	<ul style="list-style-type: none"> <li>• Toxicology</li> </ul>	<ul style="list-style-type: none"> <li>• Chemical Protective Clothing</li> <li>• Respirators</li> </ul>	<ul style="list-style-type: none"> <li>• Scenario</li> </ul>
11:00	<ul style="list-style-type: none"> <li>• Reading an MSDS</li> </ul>	<ul style="list-style-type: none"> <li>• Levels of Protection</li> </ul>	↓
12:00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
12:30	<ul style="list-style-type: none"> <li>• Asbestos</li> </ul>	<ul style="list-style-type: none"> <li>• Air Monitoring Instruments</li> </ul>	↓
1:30	↓	<ul style="list-style-type: none"> <li>• Work Zones</li> </ul>	↓
2:30	↓	<ul style="list-style-type: none"> <li>• Decontamination</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> </ul>
3:30	↓		↓
4:30	↓		<ul style="list-style-type: none"> <li>• Evaluation</li> </ul>

## Annotated Agenda

### DAY 1

- 8:00** ● **Introduction (Chief Fusco and D.K.)**  
● **1910.120 (D.K.)**  
-includes how the law came about, levels of emergency responders, who this training is geared for, medical surveillance, etc.
- 9:00** ● **Hazard Recognition (D.K.)**  
● **Types of Hazards**
- 10:00** ● **Toxicology (M.S.)**  
-includes routes of exposure, acute/chronic, effects, dose-response, IDLH, NIOSH Guide
- 11:00** ● **Reading an MSDS (D.K.)**  
-includes activity (fill out chart) using pages from other resources for formaldehyde; discussion of importance of vapor density and specific gravity
- 12-12:30 Lunch**
- 12:30-** ● **Asbestos (D.K./D.Kass)**
- 4:30**  
-Chief Devine will use some of this time slot to discuss the FD policy and protocol related to asbestos (approx. one half hour)  
-includes slide show; hand-outs

### Day 2

- 8:00** ● **Hazard Recognition-6 Clues (J.M.)**  
-includes tanker shapes, placards, shipping papers  
-will show clip of video of "how not to assess hazards"
- 9:00** ● **Incident Characterization (J.M.)**  
-includes FDNY 10-81/1 and 10-80/2 code; description of Level I, II, and III incidents; definitions of aggressive (offensive) and defensive actions  
-activity: Given a placard, picture of tank or tanker, and manifest will identify the hazard and will then determine appropriate defensive and offensive actions
- 10:00** ● **Chemical Protective Clothing (J.M.)**

●Respirators (J.M.)

11:00 ●Levels of Protection (J.M.)

-slide show

12-12:30 Lunch

12:30 ●Air Monitoring Instruments (M.C.)

1:30 ●Work Zones (J.M.)

-includes FDNY work zones; discussion of evacuation

2:30-●Decontamination (J.M.)

4:30

-tour of FDNY decon trailer may need to be done this afternoon,  
depending on availability of trailer (Chief Gallagher)

Day 3

8:00 ●Resources/Decon (M.S./J.M./Chief Devine)

-brief description and demo (possibly) of CAMEO system; description  
of other computer resources

-tour of decon trailer (Chief Gallagher)

9:00 ●FDNY Incident Command System (J.M.)

10:00 ●Scenario (J.M.)

-two groups with separate scenarios covering different situations  
(leaking tanker filled with gasoline and pesticide warehouse with  
methyl parathion)

12-12:30 Lunch

12:30- ●Continuation of Scenario and Discussion

4:30

INTERNAL USE  
ONLY

HEALTH & SAFETY FOR EMERGENCY RESPONDERS  
(24-HR COURSE)

DAY 1:

Introduction and overview

Hazard recognition

Levels of Protection

Chemical protective clothing

Respirators  
(Air-purifying and air-supplied)

Problem-solving session

DAY 2:

Direct-reading air-monitoring instruments

Combustible gas indicators

Oxygen meters

Photoionizers

Infrared spectrophotometers

Colorimetric detector tubes

Radiation meters

Level A Dress-out

Self-contained breathing apparatus

Suit inspection, maintenance and use

Donning and doffing

Decontamination

Site Safety and Health Plans

HazMat

Incident command system

Isolating immediate site

Deny entry

Buddy system

Evacuation

DAY 3

Federal and state regulations

SARA

NYS PESH (OSHA 1910.120)

Site control

Procedures for controlling and stopping leaks

Preparation for HazMat site simulation

HazMat site simulation

Debriefing

Rights and remedies

DK

SCENARIO NO. 1

AT 12:30 PM ON WEDNESDAY MAY 2, 1990, A GASOLINE TANK TRUCK DRIVER PARKS HIS VEHICLE NEAR A BUSY INTERSECTION TO BUY LUNCH FROM A NEARBY DELI. A GARBAGE TRUCK, TAKING A WIDE TURN HITS THE REAR OF THE TANKER CREATING A SPILL AS WELL AS A FIRE. THE TANKER IS FULL WITH 8300 GALLONS OF PRODUCT.

THE RESIDENTIAL AREA WHICH FRINGES THIS INTERSECTION IS EXCEPTIONALLY CROWDED AND BUSY. THE NEW SENIOR CITIZEN APARTMENT COMPLEX IS TO BE DEDICATED AT 1:00 PM. FIRST TO ARRIVE ON THE SCENE IS THE NEWS MEDIA WHO WAS ON THE WAY TO COVER THE DEDICATION OF THE SENIOR CITIZEN PROJECT.

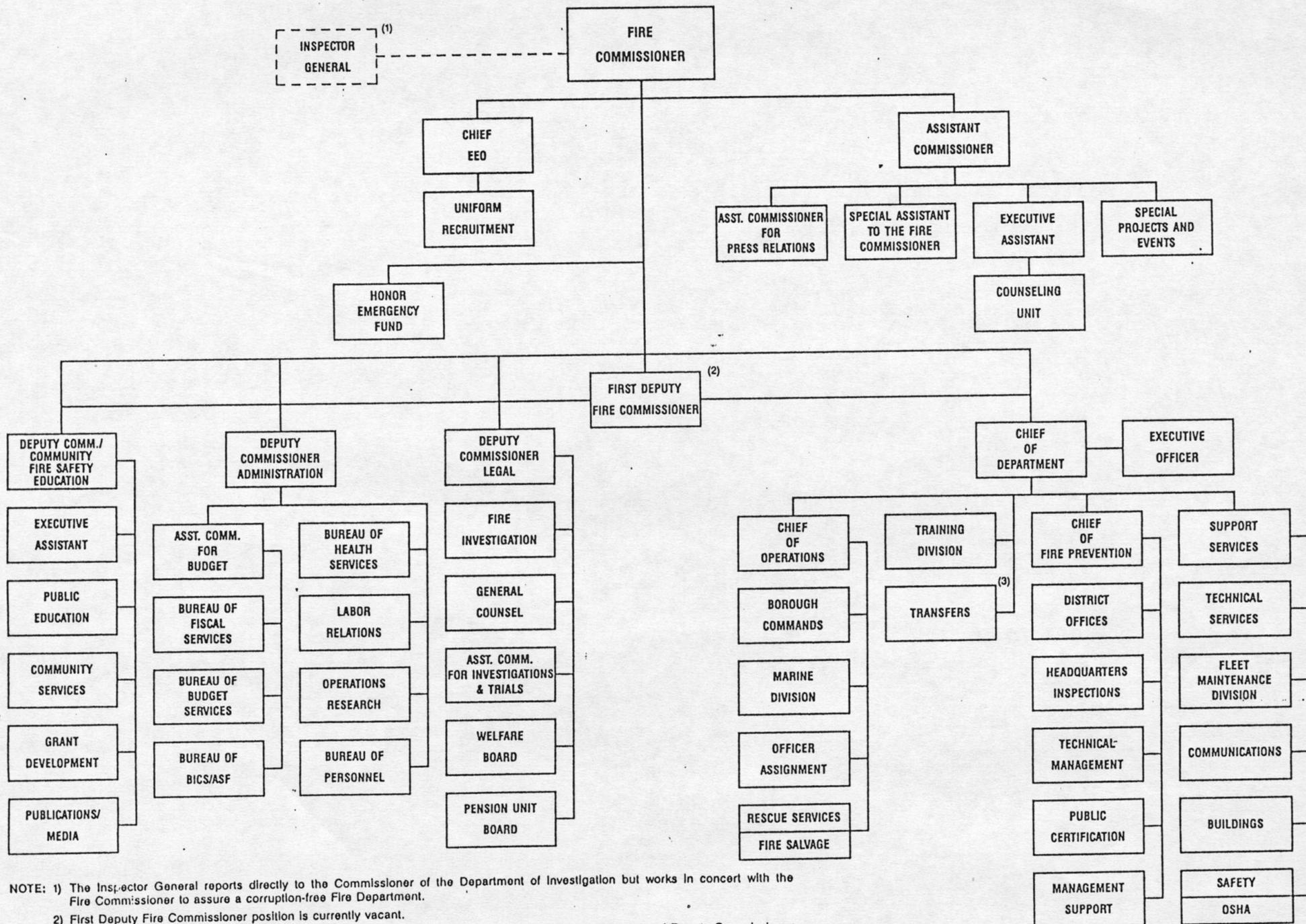
UPON ARRIVAL, BURNING GASOLINE IS ROLLING DOWN THE STREET. GASOLINE IS ENTERING THE STORM DRAINS WHICH EMPTY INTO THE NEARBY CREEK. NUMEROUS PARKED CARS ARE BURNING. THICK BLACK SMOKE IS BLOWING TOWARDS THE SENIOR CITIZEN BUILDING.

SCENARIO NO. 2

IT IS 8:30 AM, ON A SATURDAY MORNING. ALREADY IT IS HOT AND HUMID. WORKERS IN A LARGE FACTORY WAREHOUSE ARE HURRYING TO LOAD DRUMS INTO A STORAGE AREA, AS THE SOONER THEY GET DONE, THE FASTER THEY CAN GO HOME. ONE OF THE FORKLIFT OPERATORS MOVING FOUR (4) FIFTY GALLON DRUMS ON A PALLET ACCIDENTLY PIERCES ONE OF THE DRUMS. THE DRUMS CONTAIN METHYL ALCOHOL.

THE ALCOHOL FINDS AN IGNITION SOURCE AND IMMEDIATELY IGNITES. THE ENSUING FIRE IGNITES MANY OF THE OTHER DRUMS IN THE AREA. THESE DRUMS CONTAIN METHYL PARATHION PESTICIDE. THE FORKLIFT OPERATOR IS BURNED SEVERELY, AS WELL AS BEING COVERED WITH SOME OF THE PESTICIDE. SOON AFTER YOUR ARRIVAL, DRUMS BEGIN TO ROCKET OUT OF THE ROOF OF THE BUILDING.

# FIRE DEPARTMENT—CITY OF NEW YORK ORGANIZATION CHART



NOTE: 1) The Inspector General reports directly to the Commissioner of the Department of Investigation but works in concert with the Fire Commissioner to assure a corruption-free Fire Department.

2) First Deputy Fire Commissioner position is currently vacant.

3) Transfer decisions will be made by the Fire Commissioner in consultation with the Chief of Department and Deputy Commissioner for Administration.