

FDNY INCIDENT ACTION PLAN

**McKenney Middle School
Canton, NY 13617**

**"Proud To Be
An American"**

*"Even though you don't wear a cape or mask, you
are still a hero in my book"*

*"If I had to count how many people look up to you,
I'd have to count almost every kid in America"*

"I thank you for all the work you've done"

*"I think that before the Twin Towers fell, we all thought
we knew what patriotism meant, but we were wrong"*

*"Thanks to you we are prouder when we stand-up
for the pledge of Allegiance"*



"Stand tall and strong"



OPERATIONAL PERIOD

OCTOBER 1 – 2, 2001

0700 - 0700

OPERATIONAL PERIOD

10/01/2001 - 0700 through 10/02/2001 - 0700

OVERALL INCIDENT OBJECTIVES

1. Provide for the health, safety and welfare of all personnel working in and around the incident.
2. Coordinate with all involved agencies to support the operational needs of the incident.
3. Document all critical items and significant events.

Each sector will have Planning and Documentation personnel assigned to support incident objectives. Specifically, they are tasked to update maps, continue to provide resource tracking, record prior and current significant events and provide liaison services at the request of Sector Chief. Interagency cooperation is essential to mission success.

OPERATING FACILITIES AND LOCATIONS

Incident Command Post	100 Duane Street
Operations Center:	1010 Station (Liberty & Greenwich)
Liberty Sector	Liberty & West
West Sector	Vesey & West
Church Sector	Liberty & Greenwich
Vesey Sector	Church & Dey

RESOURCES

FDNY WTC TF	200 (Total Firefighters/Officers) per 12-hour shift
PD ESU	50 Officers per 12 hour shift.
FEMA US&R	0800-2000-8-person recon team from CA-4 on WTC site. 2000-0800-Technical resources (structural engineers, canine search, technical search cameras/listening devices, etc.) from CA-4 (which will be operating as a 2-section rapid response task force) will be available for deployment to the WTC site on a special-call basis as required by the FDNY. This schedule will continue through Friday 10/05/01 at 1800 hours.
FEMA RRTF	CA-4 located off site (two locations) operating as a Rapid Response TF to Supplement FDNY capabilities.
SWA IMT	1 to 2 per sector to assist with planning and documentation.

FDNY/EMS Staffing

Each Sector will be staffed with the following minimum:

- One EMS Lieutenant
- One Gator with 2 EMTs
- One BLS Unit (Basic Life Support)
- One ALS Unit (Advanced Life Support/Paramedic)

Disaster Medical Assistance Teams

DMAT 1	Chambers Street/West Street (In Borough of Manhattan Community College. This is the Medical Command for DMAT areas)
DMAT 2	Vesey Street/West Street
DMAT 3	Liberty Street/South End Avenue (In a deli)
DMAT 4	Liberty Street/Church Street (In a tent)

DEMOL

ACCOMPLISHMENTS (Past 24 hours)

1. Continuing application of "pyrocool" extinguishing additive to North Tower area and where heat and smoke are escaping in an attempt to extinguish/reduce the heat.
2. Continuing demolition work of 4 WTC was temporally halted due to safety concerns posed by the site safety officer. The demolition plan was revised and as of 2200 on 9/30 demolition activities had resumed.
3. 1000 ton crane operational.
4. Demolition of three west bays on WTC 6 allowing access to WTC 2 (South) is proceeding.
5. Implementation of color coded tags for FDNY access into site.
6. Initial entry by DDC engineers, FDNY HazMat, PAPD ESU and DEP via path tubes to evaluate slurry walls, perform air monitoring and take selected water samples for analysis
7. Road construction to the rear of the South Tower continues as debris is removed.
8. Operations continue on debris removal from the North Tower area.
9. Operations on the Winter Garden were halted at 1630 when it was deemed to be hazardous to continue until more shoring was put in place.

Shoring

WEATHER FORECAST

Day Mostly Cloudy, Winds NE 12 - 15 mph, 10% chance of showers, Highs in mid 60's F

Night Partly Cloudy, Winds NW 5 - 8 mph, 0% chance of showers, Lows in the mid 50's F.

Anemometer Locations: 11th floor of the Verizon Building and 1010 Fire Station.

PLANNED ACTIONS AND OPERATING INSTRUCTIONS (Next 24 hours)

1. 300 Ton crane is in place at Washington & Liberty Streets. Accelerated debris removal and void search operations will continue. FDNY SOC, PD ESU personnel and (1) FEMA US&R Task Force have been assigned to this location.
2. 700 Ton crane is in place on West St. Accelerated debris removal and void search operations will continue in the North Tower area. FDNY SOC, PD ESU personnel and (1) FEMA US&R Task Force have been assigned to this location.
3. 1000 ton crane is in place on West St. in the proximity of the Marriott WTC Hotel.
4. Steel cutting operations with the utilization of oxy-acetylene cutting set-ups (and subsequent removal of debris by rigging and heavy equipment) is to continue. Ironworkers are to be utilized to accomplish this mission. FDNY SOC, PD ESU and FEMA US&R personnel will be utilized to assist and supplement this function. All available cutting set-ups should be utilized on a continual basis as conditions permit. Void search operations will follow these cutting operations as voids are exposed. These cutting and void search operations will occur in all sectors as required.
5. All personnel operating on the South Tower will be in bunker pants as required due to the high heat level being generated on the lower levels of the debris piles. Consideration should be given to stretching protective hand lines as required in all areas of operations. Protective hand lines are in place at the North Tower, continue to operate as required.
6. **NO** void search operations without approval of FDNY Sector Chief in the North and South Towers. Use this time to facilitate the placement and use of large caliber water streams onto areas affected by fire on the North and South Towers. Maximize placement of portable monitors for continuous fire extinguishment operations including application of pyrocool foam.
7. NIJ has six camera points that will assist in locating the flight recorders.
8. Void search operations will continue in the Winter Garden area as heavy steel is removed by crane. A FEMA US&R engineer will be available to conduct on-going evaluations of the conditions in this area for the operational period of 0700 hours through 1900 hours. FD SOC personnel and PD ESU personnel will continue to conduct void searches as required.
9. Continue to review operational/engineering plan to facilitate removal of the South and West façade walls still standing in the South Tower area. FDNY, FEMA US&R, DDC and site construction manager to review plan and evaluate results of deconstruction process.
10. Continue use of GPS for mapping and documentation of recovery operations as well as structural features.
11. Restricted work at WTC 4 due to demolition for the next 2 to 3 days.
12. A second entry by DDC engineers, FDNY HazMat, PAPD ESU and DEP may take place from the south side of the site Monday 10/01 depending on results of Sunday's recon. Both entries subject to FDNY approval.
13. 10' by 10' hole east of the West Sector Command Post on West Street to repair the sewer will be there for the next 3 to 5 days.
14. Interagency meeting will occur to coordinate cache re-supply, distribution and management.

ANTICIPATED ACTIONS (72 hours)

Rolling 72 hour plan

1. Continue in the planned actions and operating instructions.
2. As other crane(s) are set up and / or relocated, continue in the accelerated debris removal and void search operations. Concentration of operations will be in the following prioritized order as conditions permit:
 - Winter Garden
 - North Tower (WTC 1)
 - Plaza Area and "The Pit"
3. Plan received from DDC is being evaluated on an ongoing basis regarding disposition and process for removing remaining vertical wall sections and limited debris removal process at the Winter Garden building.
4. Perimeter security will continue to be tightened.
5. Approval of Freon Plan from Port Authority.
6. Completion of Family Observation Post at West and Liberty and continued family visits.
7. Complete demolition of WTC 4.
8. Review by Mayor's Office of the WTC Long Range Site Plan.
9. Possible reduction in one DMAT in the next day or two.
- * 10. PD ESU personnel to secure below ground entrances.
11. Resolution of empty compressed gas cylinders.
12. Shoring for the roadway between 4 and 5 WTC will begin upon completion of removal of 4 WTC.
13. Install required shoring to facilitate operations on the Winter Garden area.

SPECIAL INSTRUCTIONS

FDNY Sector Chiefs will approve all searches.

Review posted information regarding Minimum Protective Equipment Requirements, Site Safety, Evacuation Warning Signals, Site Hazards, Blood Borne Pathogens and Hazard Markings on Buildings.

Only white, non-photo credentials will allow access into the site. The new credentials are available at PS/IS 89. Security checkpoints have a list of exempt agencies. **Only FDNY personnel arriving by bus** will be issued color coded bands for authorized entry into the site.

GPS and document on the grid map dated 09/20 or later and in the sector operations log locations of any victims, public safety personnel, apparatus and equipment found.

When public safety personnel, apparatus and/or equipment are found, please protect the area and notify the appropriate agency for appropriate documentation and removal.

If weapons or ammunition are found, secure the area and immediately notify law enforcement authorities.

Upon approval of FDNY Operations Sector Chief, only physicians will perform field amputations.

Individuals within the Green Line must wear minimum recommended safety gear. See attached map.

Damaged SCBA Tanks:

1. If possible, slowly remove air pressure by opening valve.
2. If the valve is damaged or missing – do not remove tank and notify Sector Chief.
3. Sector Chief will notify Operations Command Post for relay to HazMat Operations for further instructions.

A single unit with one fire officer and 2 firefighters is dedicated to initial response to fires and emergencies within the restricted area.

SPECIAL INSTRUCTIONS cont.

VIPs must arrange tours with OEM located at Pier 92 before visiting the site. If VIPs found unescorted on site, NYPD will escort them off site.

LOGISTICS

- Access points are as follows:
 - West & Chambers Vehicle and Pedestrian access
 - Church & Chambers Vehicle and Pedestrian access
 - Murray & Broadway Vehicle access only
 - Trinity Place & Rector Vehicle access only
 - Carlisle Street (West) & Rector Vehicle and Pedestrian access.
- There are several authorized volunteer EMS agencies in service.
- There will be five (5) authorized meal sites. They are:
 - St. John University at 101 Murray.
 - Spirit of New York will operate through 10-6-01 at North Pier.
 - McDonald's on Fulton between Broadway & Church.
 - Uncle Ben's between Vesey & Murray.
 - The Salvation Army on West and Murray.
 - Marriot Hotel (85 West Street) will begin operations 10-6-01.

FOOD VENDORS

- The DOH in conjunction with the NYPD will continue to work toward taking down the unauthorized eating / feeding areas.

SANITATION

- Personal hygiene stations are in place on Liberty, between Church & Greenwich.
- Personal Hand Washing Stations are available at all the above meal sites.
- Boot washes; hand and eye wash stations available at West and Murray St Johns Univ.
- Additional washes and showers are available on a limited basis at the Liberty Street Marina to augment the entrance/exit facilities.

CACHE SITES

- Three sectors now have operational CACHE units.
 - West Sector-
 - Liberty Sector-
 - Church Sector-

COVERALLS

Will only be available at the WFM.

STAFFING

Two shifts now staff WTC FD. DC report at 0700 and 1900 directly to the Ops Post at 10-10. BC/FF report to WFM at 0930 and 2130.

FOAM OPERATIONS

Pyrocool Foam is being applied by hand lines, Tower Ladders, and ground appliances to the site in an attempt to extinguish under ground fires. This operation, under direction of FDNY R&D and special call Foam Coordinator, appears to have positive results as of 9-30-01. Application will continue until approximately 2000 gallons of foam concentrate are expended (application rate 0.4%).

IDENTIFICATION / SECURITY BRACELETS

On coming shifts will be issued color-coded wrist bands per 24 hour shift to help insure that staff on the site is properly authorized.

Victim Family Visit to Red Zone

Scheduled Tours

Daily 10:30, 12:00, 14:00

Fire Department Families

Daily tours at 11:00 and 19:00 arranged through the Fire Department.

Additional tours not scheduled may occur.

Tour Group

Approximately 73 persons per trip

Victim Family

10 Families, 5 members per family

Mental Health Professional

2 PD, 5 DOH, 5 Red Cross

Security

3 NYSP, 3 NYPD

Support

5 Mayor's Community Assistance Unit

Tour Route

1. Depart from Pier 92 to North Cove Marina.
2. Disembark at North Cove Marina's New York Waterways dock.
3. Walk around Marina to Liberty Street and West Street.
4. Lay flowers at the Marina's promenade perimeter.
5. Embark at New York Waterways dock.
6. Depart from North Cove Marina to Pier 92.

Route will be adjusted daily to reflect Red Zone condition.

Contacts

Conrad Vazquez	917-682-3469	CAU (Mayor's Community Assistance Unit)
Jose Baptista	917-882-8998	OEM

SAFETY MESSAGE

FATIGUE – UNSEEN DANGER: As we begin the next day of operations, we must **FOCUS** on preventing injuries to **ALL** personnel at the site. **EYE INJURIES** are occurring at an alarming rate and account for nearly **700 PREVENTABLE** cases so far. Please wear eye protection at all times while at the site. In addition, **RESPIRATORY** injuries can be prevented by the proper use of PPE. Be aware of ever changing footing and site conditions.

Site Safety Awareness:

- Your attitude
- Do not take unnecessary risks during this phase of the operation. Use all required safety equipment and follow procedures.
- Awareness of YOUR surroundings is key to your safety.
- Plan for the HAZARDS of the job.
- USE safety equipment at all times.
- Doing your part to prevent/reduce accidents in the work zone.
- Watch out for your co-workers on the scene

Hazards:

- Due to the instability of Winter Gardens Atrium between 2 and 3 World Financial Center, only designated personnel shall work in that area. Safety Chiefs and Sector Chiefs shall monitor for compliance. The SW corner of Building #5 is not a safe place to congregate. Stay out from under damaged buildings and hanging debris.
- Potentially pressurized cylinders including: SCBA's; gas cylinders such as propane, ammonia, chlorine, etc.
- Possible live ammunition at WTC 7, Barclay Street Ramp and the Customs House
- Walking, Working Surfaces
- Falling Debris
- Airborne Contamination
- Bio-Hazards, Universal Precautions
- Cutting, Welding-Compressed Gasses
- Cylinder Storage
- Vehicular Traffic
- Backing Vehicles
- Excavation Equipment
- **CRANE Operations-** Be aware of swing & stress cables and whipping of broken cables
- Sewer Grates, Trenches, Manholes – possible collapse or a vector for the release of toxic gas vapors

Mitigation: LOOKOUTS posted, COMMUNICATIONS reliable, ESCAPE ROUTES planned and known by all, SAFETY ZONES planned and known by all

- **EVACUATION SIGNAL – 3 BLASTS**
- Each Sector Command **MUST** assign a Safety Officer
- Each Sector Command **MUST** assign a FAST Truck for Emergency Response
- Treat all cylinders as pressurized & volatile
- Work with a buddy who has visual contact with you
- Control Site Access – allow only authorized, trained & properly equipped personnel inside the “green zone”
- Maintain Site Safety Awareness
- Be aware of changing conditions
- Do not eat or smoke in the work zone (Hand washing prior to eating)
- Scout out, identify, plan, and advise others of escape routes in event of emergency of any type
- Climb with proper protection at all times
- Mandatory head and eye protection at all times
- Look overhead and be aware of all surroundings
- Change respirator filter when resistance is felt from air flow or at least after every shift
- Have a reliable means of communications

Protective Equipment: **MUST WEAR MINIMUM RECOMMENDED GEAR WITHIN THE “GREEN ZONE”**

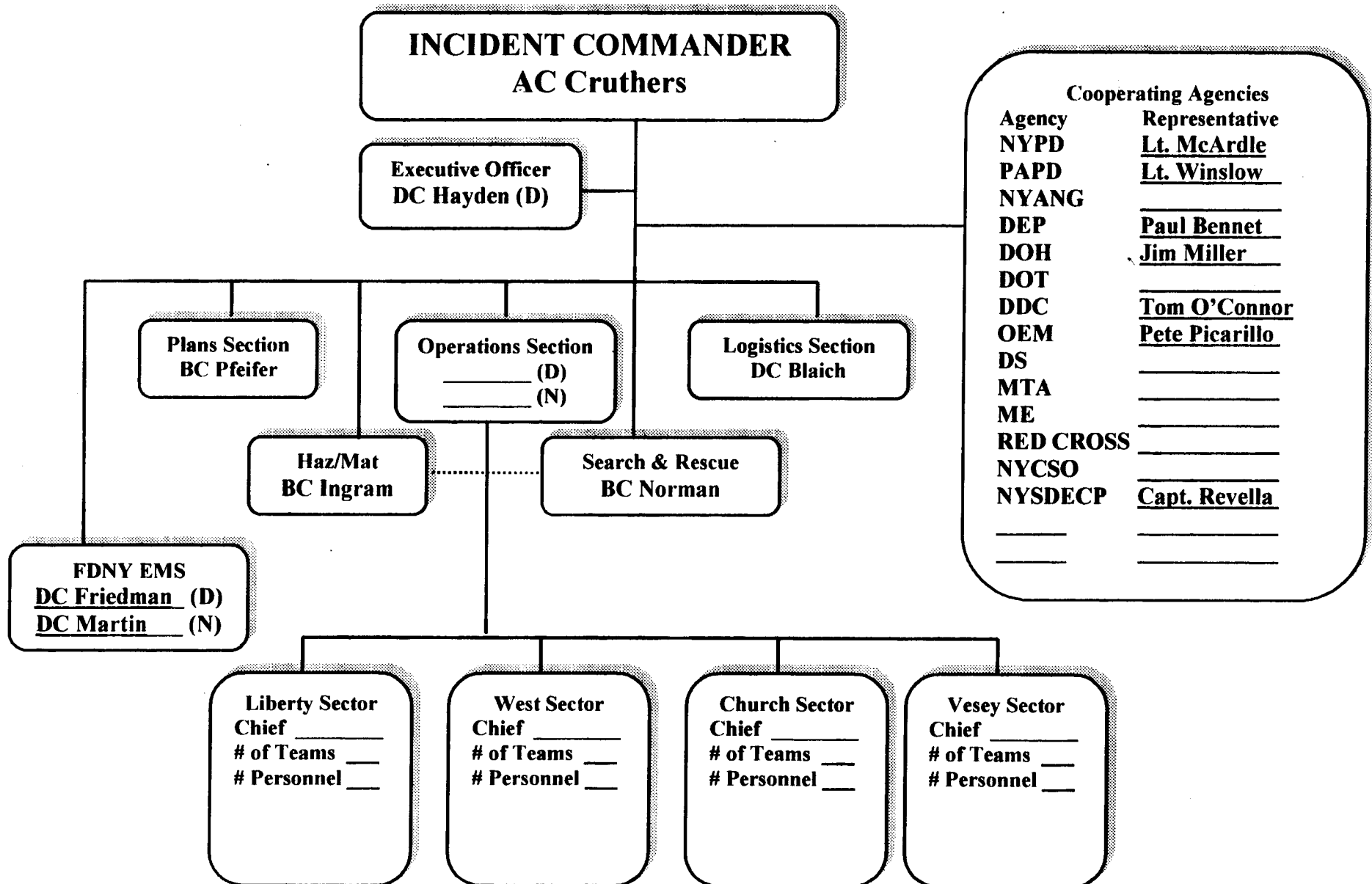
- Hard Hat or helmet
- Respirator with replaceable P100 organic vapor/acid gas cartridges. Replace filter after each shift.
- Steel toed boots or equivalent
- Coveralls or Long Sleeve Shirts
- Safety glasses with side shield / face shield / goggles
- Leather Gloves with latex (or nitrile) glove liner

Near Misses

- ***Several eye injuries have been prevented with safety glasses this week.
- ***Over 600 eye injuries could have been PREVENTED by using safety glasses or eye protection
- ***On 9/26 at approximately 1430 hours a crane operating in the North Tower area snapped a cable while hoisting a load. This caused the load to drop narrowly missing 4 workers.
- ***A contractor received several stitches on his nose from falling glass, but a more serious injury was prevented because he was wearing head and eye protection.

Date _____ Time _____

FDNY – WTC ORGANIZATIONAL CHART



Date _____ Time _____

**FDNY – WTC
ORGANIZATIONAL CHART**

NYPD	LT. MCARDLE	212-227-0010
PAPD	LT. MARK WINSLOW	212-941-5252
OEM	PETE PICARILLO (LOGS)	646-210-5861 or 646-756-3018
DEP	PAUL BENNET or acting	908-872-7070
DDC	TOM O'CONNOR ED MCGINLEY	917-560-5365 347-245-0387
DOH	DR. JIM MILLER	917-642-2809
NYSDECP	CAPT. T. REVELLA	646-756-3136

WTC Task Force

0700 10/1-0700 10/02

Tour 1 0700-1900 10/1

Operations Chief: AC Callan

**DC Roche
DC McNeela
DC DiDimenico**

Tour 2 1900-0700 10/1-10/02

Operations Chief: DC Giavanazzo

**DC Fuerch
DC Coloe**