

FDNY
INCIDENT ACTION PLAN
OPERATIONAL PERIOD
October 23 – 24, 2001
0700 – 0700



PH

PLAN 32

OPERATIONAL PERIOD

Tuesday 10/23/2001 – 0700 through Wednesday 10/24/2001 – 0700

OVERALL INCIDENT OBJECTIVES

1. Provide for the health, safety and welfare of all personnel working in and around the incident.
2. To provide for recovery and identification of as many remains as possible and return to next of kin.
3. Coordinate with all involved agencies to support the operational needs of the incident.
4. 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, track resource, record prior and current significant events, collect and record database requirements and provide liaison services at the request of Sector Chief. In addition, at the direction of the IC, other personnel will provide Incident Command System functional training to selected FDNY personnel.

OPERATIONS FACILITIES AND LOCATIONS

Incident Command Post	100 Duane Street
Operations Center	10/10 Station (Liberty & Greenwich)
West Command	Vesey & West (West & Liberty Sectors)
East Command	Liberty & Church (Church & Vesey Sectors)

OPERATIONAL RESOURCES

FDNY WTC TF	120 (Total Firefighters/Officers) per 12-hour shift
NYPD ESU	43 Officers per 12 hour shift, NYSP-12/shift, Corrections-14/shift.
PAPD	40 Officers per 12 hour shift.
FEMA US&R	1 Technical Specialist providing operational and planning support to FDNY.
DEP	Emergency crew on stand-by at site for water main breaks – (917) 468-2877.
Alaska IMT	1 to 2 per Command 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 EMT's (EMS 12 hour shifts / 21 people per shift)
- One BLS Unit (Basic Life Support)

One ALS Unit (Advanced Life Support/Paramedic) at Liberty Sector Post

One ALS Unit (Advanced Life Support/Paramedic) at Vesey Sector Post

Disaster Medical Assistance Teams

Liberty Street / West Street (DMAT Medical Command and Pharmacy)

Fulton Street / Church Street

WEATHER FORECAST

Day Mostly cloudy, NE winds 10-15 mph becoming SE, Highs near 70.

Night Partly cloudy, lows upper 50's, SE winds 10-15 becoming SW.

Outlook Wednesday– Partly Sunny, 0% chance of showers, Highs mid 70's, Lows in the upper 50's
Thursday – Mostly cloudy, Highs in the lower 70's with lows in the upper 40's.

Anemometer Locations: 11th floor of the Verizon Building, 3rd floor 10-10 Fire Station, 17th floor of 125 Liberty, 10th floor of 2 WFC, OEM Command Bus at West and Warren, East Command, and Federal Post Office.

ACCOMPLISHMENTS (Past 24 hours)

1. Application of water to South Tower area and where heat and smoke are escaping in an attempt to extinguish/reduce the heat.
2. Operations continue on debris removal from the North Tower area with intermittent use of handlines to cool debris and for dust control.
3. Intermittent use of handlines in operation for dust control at 7 WTC.
4. NYSPEH is conducting air sampling and exotic gas monitoring on PD & FDNY for about 1 week.
5. Emphasis continues on slurry wall reinforcement in front of South Tower with 4 tiebacks in place.
6. Steel and debris removal continues from core of South Tower. Handline use for dust control / cooling.
7. NYCTA conducted entry to the IRT 1 and 9, south of Chambers, will continue for 1 week.
8. Entered into Nova Scotia Bank.
9. Entry into 3rd floor 6 WTC building for weapons retrieval by using Turner Crane on east side of Vesey Street.
10. 130 – 5 gallon metal and plastic gas cans confiscated from the site.
11. Fire Prevention Bulletin # 5 issued. (see attached)
12. Coordinated with EPA via OEM to accept, catalog and store gas cans.
13. AMEX Building (3 WFC) Standpipe in service.

PLANNED ACTIONS (Next 24 hours)

1. Steel cutting operations and subsequent removal of debris by rigging and heavy equipment will continue. Utilize ironworkers to accomplish this mission. Utilize FDNY SOC and PD ESU personnel to assist and supplement this function. Utilize all available cutting set-ups on a continual basis.
2. FD SOC personnel and PD ESU personnel will continue to conduct void searches as required when heavy steel is removed.
3. All Emergency personnel operating on the South Tower in selected areas will be in bunker pants as needed.
4. Continue to place and use large caliber water streams for continuous fire extinguishment operations on 1 and 2 WTC as required. Place and use protective hand lines elsewhere as needed.
5. Continue to review operational/engineering plan to facilitate removal of the West façade walls still standing in the South Tower area. FDNY, DDC and site construction manager will review plan and evaluate results of deconstruction process.
6. Continue GPS mapping and documentation of recovery operations and structural features.
7. NIJ continues to operate 2 camera points for use in locating the flight recorders.
8. Fire companies to wet down debris fields and dirt roads when requested by DDC.
9. DSNY will continue to water dusty streets and remove garbage.
10. DOB Derrick & Crane Unit site safety inspection of operations, movement, placement & maint.
11. Continue removal of west and south facades of 2 WTC. (See Exclusion Zone Diagram)
12. New site perimeter fencing & access points to be established. (Light Blue badges will be required to enter). SEE LOGISTICS FOR DETAILS.
13. Debris removal continues in alley between 4 & 5 WTC.

ANTICIPATED ACTIONS (72 hours)

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 follow prioritized order as conditions permit:

Backfilling of slurry wall	Banker's Trust
North Tower (1 WTC)	North and West sides of Marriott
South Tower (2 WTC)	

ANTICIPATED ACTIONS (72 hours) (Continued)

3. Review by Mayor's Office of the WTC Long Range Site Plan.
4. Continue demolition of 3 southwest bays of 6 WTC.
5. Temporary morgue will be moved to Liberty & Church.
6. Debris removal to start between 5 & 6 WTC.
7. Debris and steel removal from Bankers Trust building continues.
8. NYCTA to begin running trains between Whitehall & City Hall stations, cleaning of Cortlandt to begin.

SPECIAL INSTRUCTIONS

1. FDNY Sector Chiefs will approve all searches.
2. Follow identified procedures to handle requests for retrieval of valuables from damaged structures.
3. Review posted information regarding Minimum Protective Equipment Requirements, Site Safety, Evacuation Signals, Site Hazards, Blood Borne Pathogens and Hazard Markings on Buildings.
4. For non-exempt personnel, only blue, non-photo credentials will allow access into the site (Security checkpoints have a list of exempt agencies).
5. FDNY personnel arriving by bus from the Flushing Marina Staging Area will be issued color-coded bands for authorized entry into the site. The colors for this operational period are as follows:

10/23	0700-1100	LIME
10/23	1100-2300	CRANBERRY
10/23-24	2300-0700	PINK

The band must be prominently displayed to allow entry onto the site.
6. GPS is to be used to plot locations of all victims, remains, fire equipment and apparatus. If the GPS is not operational, hand held GPS operators will manually record grid locations **grid map dated 09/20 or later**. GPS units are available through the Sector Chiefs, who shall contact the GPS Team via channel 5.
7. 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.
8. There are two small residential type safes in the canine area on B-1 of 2 WTC, which contain explosive materials used for training dogs. The pile of debris is now ten feet above grade but as pile is reduced to grade level operations in this location must be coordinated with PAPD and NYPD.
9. When any SCBA or compressed gas cylinders are found, the Sector Chief will notify ICP for Fire Prevention notification. Cages are staged at East & West Commands for temporary storage of cylinders.
10. Enclosures on North and South projections on West Street are locked. The keys will be located with the FDNY Command Post, NYPD Officer at enclosure and OEM.
11. A single unit with one fire officer and 2 firefighters is dedicated to initial response to fires and emergencies within the restricted area. Dispatched through Manhattan CO.
12. NYPD will have K-9's available at 1 and 2 WTC's, the Marriott Hotel and the Plaza for use when excavators are not operating.
13. No open flames or warming fires. Use the warming tents if necessary.
14. No parking along Church between Liberty and Vesey. Prior to any vehicles being removed/towed from bldgs., FDNY Ops. Chief must ensure a foam handline is provided.
16. Prior to any steel cutting @ 3 WFC (Amex) a charged handline will be stretched to a location TBD. In addition a charged handline must be in position prior to any steel cutting operation.
17. The exclusion zone for Banker's Trust will be maintained & enforced during cutting operations.

SPECIAL INSTRUCTIONS (continued)

18. Exclusion zone for 2 WTC continues until all pulling is completed @ 2 WTC. All personnel are to remain outside the exclusion zone (See Diagram).
19. FDNY cameras located at 2 WFC (top floor) and 90 West Street must be staffed at all times.
20. FDNY to wet interior and exterior of Bankers Trust Bldg prior to any steel cutting operations.

DEPARTMENT OF DESIGN AND CONSTRUCTION UPDATE**ACCOMPLISHMENTS (Past 24 hours)**

1. Four tiebacks installed in slurry wall south of 2 WTC (Liberty Street).
2. Removal of 2 WTC west facade columns.
3. Contractor constructed retaining wall for BMT on west side of Church Street.

PLANNED ACTIONS (24 hours)

1. Continuing construction of south to east access road to Plaza.
2. Continue to backfill void North of slurry wall & South of 2 WTC from Greenwich to West Street to be completed by end of the week.
3. Well points being installed on Liberty Street and also West Street by Moretrench Drilling.
4. Continue to shore floors at 3 WFC to be accomplished by the 10/23.
5. Removal of 2 WTC south and west façades to continue.
6. Debris removal in plaza area adjacent to 5 WTC.
7. Core drilling and installation of tiebacks for slurry wall south of 2 WTC.
8. Continue debris removal from 1 and 2 WTC footprints.
9. Debris removal and shoring of floors 2-10 of 3 WFC (southeast corner).
10. Effective Tuesday 10/23, perimeter walls will change affecting access areas.

ANTICIPATED ACTIONS (72 hours)

1. Well points, core drilling and tiebacks being installed on Liberty and West Streets to be continued.
2. Debris removal north of Marriott (Vista) hotel.
3. Continue south to east access road to plaza.
4. Continue slurry wall backfilling on Liberty Street.
5. Continue shoring in 3 WFC.
6. Continue removals of 2 WTC west and south facades.
7. Removal of debris on plaza and concourses.
8. Continue removals from 1 and 2 WTC footprints.
9. Continue removals of 1 WTC north facade.
10. Debris & steel removal from Bankers Trust.
11. Demolition of southwest bays of 6 WTC for crane access to north facade of 1 WTC continues.
12. DDC will provide an overall site project plan.
13. Removals of 1 WTC North facade.

There is an OEM representative located at the OEM trailer (Murray and West - 212 941-5337) to contact DDC to handle contractor problems.

To contact the contractors on site, DDC has a person stationed at 10/10 to assist.

OEM is also the contact for OSHA.

LOGISTICS

Access/exit points are as follows: Truck and Pedestrian

Truck Access Only

Trinity & Cedar

West & Warren

West & Albany

Pedestrian

W. Broadway & Park

Fulton & Broadway

Truck Exit

Greenwich & Carlisle

Official Visitor

Liberty & South End Ave.

Meal Sites are as follows:

- St. John University at 101 Murray
- Marriott WFC Hotel, Albany & West.
- Salv.Army in Median of West/Murray

Water and Snack Sites are:

- West & Vesey
- Church & Dey
- Cortlandt & Church
- Liberty & West

Sanitation Sites are as follows:

- 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 & eye wash stations at West & Murray, St. Johns Univ. also West & Rector.

Cache Sites (Alaska – IMT) are as follows: **Supplies are for uniformed emergency personnel only.**

Contractors must provide for their own personnel.

- West Sector – On West Street just north of Vesey Intersection.
- Liberty Sector – Ground floor of 1 WFC.
- Church Sector – At Liberty & Church.

Vehicle Wash Sites are as follows:

- Southend Ave. and Albany St.
- West St. South of Albany St.
- Rector and Greenwich
- Park Place and Church.
- West St. and Warren St

Coveralls will only be available at the World's Fair Marina (WFM).

Respirators – fitted and issued by OSHA personnel at WFM. Respirators are available at cache sites and IS 89. Goggles and gloves are available through the cache system.

Staffing: DC report at 0700 and 1900 directly to the Ops Post at 10-10.

BC and FF report at 0930 and 2130 to WFM.

Transition to the West and East Command Posts is complete.

WEST COMMAND POST

212-608-7753

212-608-7754

212-608-7796

212-608-8048

212-608-9556 fax

212-608-9801 fax

EAST COMMAND POST

212-425-4201

212-425-4231

212-425-4217

212-425-4180

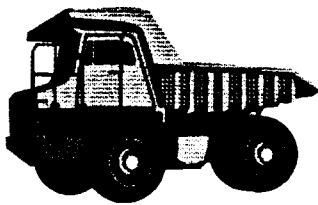
212-425-4221

212-425-4096 fax

Approved Compressed Gas Storage Locations: Note: Sites, although approved, are subject to change.

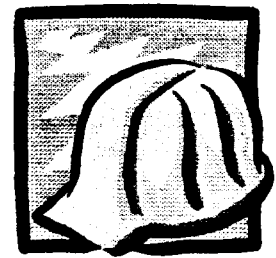
- AMEC Zone: West Street adjacent to foundation for North Bridge
- BOVIS Zone: Inside fenced turnout in front of 1 WFC. Fence to be raised to 16 feet.
- TULLY Zone: South side of Liberty Street between Broadway and Church.
- TURNER Zone: Greenwich Street between Park Place and Barclay
- Corner of Vesey and West Broadway.

Fire Marshals are located at East Command.



Safety Message

10/23/01



Major Hazards:

Crane Operations
Demolition Operations
Biological Hazards

Falling Glass & Debris
Traffic
Walking and Working Surfaces

Hazardous Materials
Lack of PPE
Dust and Airborne Particles



Eating and Drinking on the Pile

Do Not Eat on the pile. If you are hungry, **take a break**, leave the pile, and go to an area out of the dust. **Wash your hands well** before eating. While it's very important that you keep hydrated when you're doing hard work, only drink from sealed containers when on the pile. Don't open a drink, set it down, and let dust, ash, or whatever, collect on the top and then drink again. Use good re-sealable containers, or finish the can right away after opening it.



Dust -Fumes-Particles

Wear your Respirators.



PPE

All your PPE is designed to minimize the risk of your being injured or exposed to unhealthy environments while you are doing your important work. **Wear hard hats, eye protection, and a fit-tested respirator.** It's a cheap insurance policy.



Heavy Equipment

Keep track of the equipment working around you, and avoid getting in the way of working equipment whenever possible. Avoid equipment, don't make heavy equipment avoid you.



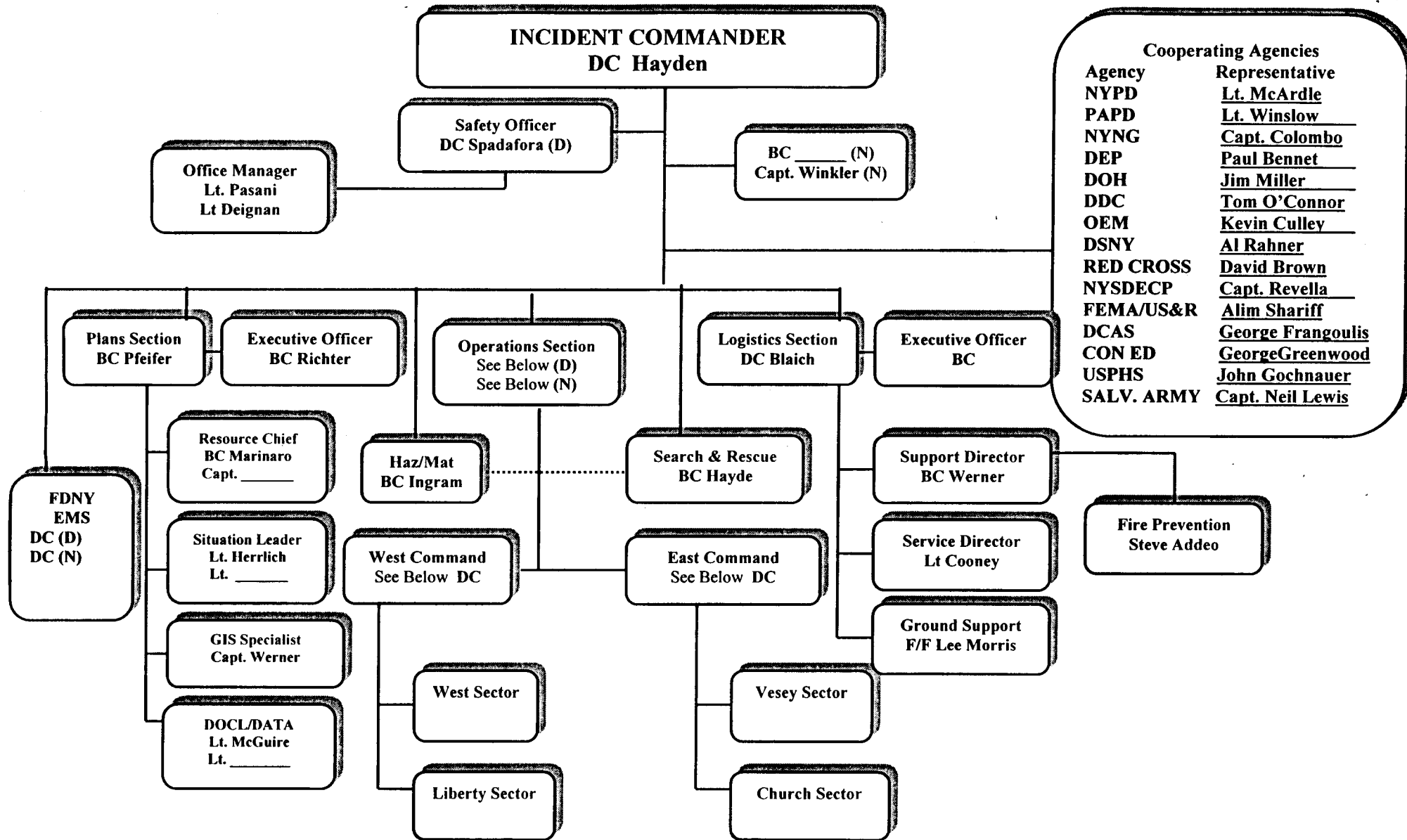
Washing and Decontamination

It's not only mandatory that all vehicles leaving the site be washed, but it's also a good idea for everyone to take extra care in personal hygiene. Wash well and separate your dirty clothes and shoes from the rest of your belongings. There is no need to track "site" dust into your personal office or home.

Your Brain Is Your Best Safety Tool

10/23/01

FDNY – WTC ORGANIZATIONAL CHART



WTC Task Force	Tour 1	(D)	0700 – 1900	10/23	Operations Chief	AC – Fellini	DC - Mosier
	Tour 2	(N)	1900 - 0700	10/23 –10/24	Operations Chief	DC - Benson	DC - Burns DC - Ferro DC -Jackson

10/23/01**FDNY - WTC ORGANIZATIONAL LIST**

FDNY	Duane St. Command Post	646-613-0228/1591/7293
NYPD	Lt. McArdle	212-227-0010 or 212-227-5564 Pager 914-771-2889
PAPD	Lt. Mark Winslow	212-941-5252/5273/5308
OEM	Kevin Culley (IC Liaison)	202-297-7680
DEP	Paul Bennet or acting	917-468-2877
DDC 0500-1400	Tom O'Connor	917-560-5365
	Tom Amoia	917-681-7572
	Ed McGinley	347-245-0387
1300-2200	Lou Mendes	646-235-3394
	Joe Deluca	347-386-7329
2100-0600	Charlie Kaczorowski	646-772-2406
DOH	Dr. Jim Miller	917-642-2809
NYSDECP	Capt. T. Revella	646-756-3136
DSNY	Al Rahner	646-235-3040
RED CROSS	David Brown	703-728-8574 or 718-923-1432
ROBOTICS	Arnis Mangolds	617-306-5709 or 781-684-4379
	Bob Guelli	617-921-2464 or 781-684-4332
NYCSO	Lt. Scali	646-756-3125
NYNG	Capt. Colombo	973-615-6219 or 212-941-5281
	Lt. Erazo	917-577-2136
FEMA/US&R	Alim Shariff	202-257-7795
DCAS	George Frangoulis	646-772-8158
CON ED	George Greenwood	212-460-2602
USPHS	John Gochner	347-231-4523
SALV. ARMY	Capt. Neil Lewis	917-587-4068
VERIZON	Dan Lynaugh	212-965-5702/5703/5704/5705



FIRE DEPARTMENT
100 DUANE STREET NEW YORK, NY 10007
TEL. 646.613.7293
FAX 646.613.1649

WTC COMMAND

Date: October 23, 2001

Subject: Securing Compressed Gases Cylinders

FIRE PREVENTION BULLETIN NUMBER 5

The Bureau of Fire Prevention has noted numerous violations relating to usage of compressed gases. Effective Wednesday, October 24 the following requirements for usage of compressed gases cylinders must be met:

1. All compressed gas cylinders in use must be properly chained, strapped or secured to a handcart. This will prevent cylinders from being damaged and allow for safe movement.
2. All compressed gas cylinders used in man baskets must be properly chained, strapped or secured. This will prevent movement of cylinders and ensure safety of personnel.
3. All compressed gas cylinders in storage must be properly chained, strapped or secured in their proper storage areas.
4. Ropes and wire are not approved for securing compressed gas cylinders.

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Current Conditions, Forecasts, Watches and Warnings for New York (Manhattan), NY

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Zone Forecast for New York (Manhattan), NY

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FPUS51 KOKX 230754

ZFPOXX

ZONE (COUNTY) FORECASTS

NATIONAL WEATHER SERVICE NEW YORK NY

353 AM EDT TUE OCT 23 2001

NJZ005-006-011-NYZ072>077-232153-

BRONX-ESSEX-HUDSON-KINGS (BROOKLYN)-NASSAU-NEW YORK (MANHATTAN)-
QUEENS-RICHMOND (STATEN ISLAND)-UNION-

353 AM EDT TUE OCT 23 2001

TODAYVARIABLY CLOUDY. HIGHS IN THE UPPER 60S. LIGHT SOUTHEAST
WIND INCREASING TO 10 TO 15 MPH.**TONIGHT**MOSTLY CLOUDY WITH FOG DEVELOPING. LOWS IN THE LOWER 60S.
SOUTH WIND 10 TO 15 MPH BECOMING LIGHT.**WEDNESDAY**MORNING CLOUDS AND FOG...THEN PARTLY SUNNY. WARM. HIGHS
IN THE MID 70S. SOUTH WIND 10 TO 15 MPH.**WEDNESDAY NIGHT**PARTLY CLOUDY...THEN BECOMING MOSTLY CLOUDY. LOWS
IN THE LOWER 60S.**THURSDAY**MOSTLY CLOUDY. A CHANCE OF SHOWERS DURING THE MORNING.
HIGHS IN THE UPPER 60S.**THURSDAY NIGHT**

MOSTLY CLEAR. LOWS IN THE UPPER 40S.

FRIDAY

PARTLY CLOUDY. HIGHS IN THE MID 50S.

SATURDAY AND SUNDAY

MOSTLY CLEAR. LOWS NEAR 40 AND HIGHS NEAR 50.

MONDAY

MOSTLY CLEAR. LOWS IN THE LOWER 40S AND HIGHS IN THE LOWER 50S.

State Forecast for New York

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FPUS61 KOKX 230755
SFPNY
NYZ067>081-232255-

**TABULAR STATE FORECAST FOR EXTREME SOUTHEAST NEW YORK
NATIONAL WEATHER SERVICE NEW YORK NY
355 AM EDT TUE OCT 23 2001**

ROWS INCLUDE...

DAILY PREDOMINANT DAYTIME WEATHER
FORECAST TEMPERATURES...DAYTIME HIGH...NIGHTTIME LOW
- INDICATES TEMPERATURES BELOW ZERO
DAYTIME PROBABILITY OF PRECIPITATION
-- INDICATES MISSING VALUES

FCST	FCST	FCST	FCST	FCST	FCST	FCST
TUE	WED	THU	FRI	SAT	SUN	MON
OCT 23	OCT 24	OCT 25	OCT 26	OCT 27	OCT 28	OCT 29

CITY**LONG ISLAND****FARMINGDALE**

MOCLDY	MOCLDY	MOCLDY	PTCLDY	SUNNY	SUNNY	SUNNY
67/61	75/60	68/48	55/40	50/40	50/42	53
POP 20	POP 20	POP 30	POP 0	POP 0	POP 0	POP 0

ISLIP

MOCLDY	MOCLDY	MOCLDY	PTCLDY	SUNNY	SUNNY	SUNNY
64/59	71/59	68/46	54/37	50/36	49/34	52
POP 20	POP 20	POP 30	POP 0	POP 0	POP 0	POP 0

WESTHAMPTON

MOCLDY	MOCLDY	MOCLDY	PTCLDY	SUNNY	SUNNY	SUNNY
63/58	70/58	68/46	54/37	50/36	49/34	52
POP 20	POP 20	POP 30	POP 0	POP 0	POP 0	POP 0

LOWER HUDSON VALLEY**MONTGOMERY**

MOCLDY	MOCLDY	MOCLDY	PTCLDY	SUNNY	SUNNY	SUNNY
62/58	73/57	65/41	52/34	47/34	45/32	51
POP 20	POP 20	POP 30	POP 0	POP 0	POP 0	POP 0

WHITE PLAINS

MOCLDY	MOCLDY	MOCLDY	PTCLDY	SUNNY	SUNNY	SUNNY
64/58	74/58	66/44	53/37	48/37	47/35	52
POP 20	POP 20	POP 30	POP 0	POP 0	POP 0	POP 0

NEW YORK CITY

CENTRAL PARK

MOCLDY	MOCLDY	MOCLDY	PTCLDY	SUNNY	SUNNY	SUNNY
67/62	76/61	68/48	55/40	50/40	50/42	53
POP 20	POP 20	POP 30	POP 0	POP 0	POP 0	POP 0

KENNEDY AIRPORT

MOCLDY	MOCLDY	MOCLDY	PTCLDY	SUNNY	SUNNY	SUNNY
67/62	76/61	68/48	55/40	50/40	50/42	53
POP 20	POP 20	POP 30	POP 0	POP 0	POP 0	POP 0

LAGUARDIA AIRPORT

MOCLDY	MOCLDY	MOCLDY	PTCLDY	SUNNY	SUNNY	SUNNY
66/63	75/61	68/48	55/40	50/40	50/42	53
POP 20	POP 20	POP 30	POP 0	POP 0	POP 0	POP 0

Area Conditions for New York (Manhattan), NY

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ASUS41 KPHL 230915
SWRNJ

REGIONAL WEATHER ROUNDUP

NATIONAL WEATHER SERVICE MOUNT HOLLY NJ

500 AM EDT TUE OCT 23 2001

NOTE: "FAIR" INDICATES FEW OR NO CLOUDS BELOW 12,000 FEET WITH NO SIGNIFICANT WEATHER AND/OR OBSTRUCTIONS TO VISIBILITY.

* = STATION DOES NOT REPORT PRECIPITATION (E.G. RAIN, SNOW, ETC.) OR FOG.

PAZ001-021-NYZ056-072-MDZ011-DCZ001-231000-

OTHER NEARBY LOCATIONS

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
PITTSBURGH	MOCLDY	54	52	93	SE3	29.85F	
ERIE	MOCLDY	58	53	84	S13	29.79F	
BINGHAMTON	CLOUDY	43	40	89	E9	29.99F	
NEW YORK CITY	PTCLDY	55	48	77	E6	30.05R	
BALTIMORE	PTCLDY	54	52	93	CALM	29.95S	FOG
WASHINGTON DC	MOCLDY	57	54	89	NE8	29.95S	

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