

FDNY
INCIDENT ACTION PLAN
OPERATIONAL PERIOD

October 21 – 22, 2001

0700 – 0700



I WANT YOU – TO WORK SAFE ! ! !

PH

PLAN 30

OPERATIONAL PERIOD

Sunday 10/21/2001 – 0700 through Monday 10/22/2001 – 0700

*SAME***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.

Same

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

Same

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

Same

FDNY WTC TF	120 (Total Firefighters/Officers) per 12-hour shift
NYPD ESU	50 Officers per 12 hour 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:

Same

- One EMS Lieutenant
- One Gator with 2 EMT's (EMS 12 hour shifts / 22 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

Same

Day Mostly sunny, Winds 5-10mph becoming South, Highs in the lower 70.

Night Partly cloudy, low in the mid 50's, winds SW 5-10mph.

Outlook Monday– Partly Sunny, 10% chance of showers, Highs around 70, Lows in the mid 50's
Tuesday – Partly Sunny, Highs in the lower 70's with lows in the upper 50'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. Intermittent use of two multiversals for cooling and dust control between 5 & 6 WTC.
5. Continued collection of empty compressed gas cylinders.
6. Emphasis continues on slurry wall reinforcement in front of South Tower.
7. Steel and debris removal continues from core of South Tower. Handline use for dust control / cooling.
9. Contractor continues construction of retaining wall for BMT on west side of Church Street.
10. Started demolition of 3 southwest bays of 6 WTC.
11. Site Inspection @ #1 Liberty Plaza complete, will occupy Monday 10/22, FD Systems are in service.
12. NYCTA conducted entry to the #'s 1 & 9 south of Chambers, will continue for 1 week.
13. Entry into 90 West, 16th floor for retrieval of valuables from West Valley Investments.
14. Fire Prevention Bulletins issued.
15. All retrievable vehicles (13 yesterday) were removed from B1 level of 6 WTC.

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 five camera points for use in locating the flight recorders.
8. ARMY continues laser mapping to detect any movement/shifting of piles. OEM coordinating.
9. Fire companies to wet down debris fields and dirt roads when requested by DDC.
10. DSNY will continue to water dusty streets and remove garbage.
11. Continue demolition of 3 southwest bays of 6 WTC.
12. Fire Prevention will begin confiscating 1 & 5 gal plastic gas cans.
13. DOB Derrick & Crane Unit site safety inspection of operations, movement, placement & maintenance.
14. NYSPESH is conducting air sampling and exotic gas monitoring on PD & FDNY for about 1 week.
15. Entry 130 Cedar St., 8th floor on Sunday 1000 hrs for removal of valuables.
16. New site perimeter fencing & access points will be established as of 0001 hrs. Monday, 10/22. (Light Blue badges will be required to enter upon completion of perimeter fence).
17. NYARNG/IMT will retrieve unattended hand tools for consolidation.
18. Entry into Nova Scotia Bank scheduled for Monday. —
19. Continue removal of west and south facades of 2 WTC. (See Exclusion Zone Diagram)

10/19/01

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ANTICIPATED ACTIONS (72 hours)

- more to planned actions*
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
 - North Tower (1 WTC)
 - South Tower (2 WTC)
 - Banker's Trust
 - North and West sides of Marriott
 3. Review by Mayor's Office of the WTC Long Range Site Plan.
 4. Warming tents will be erected at East Command, Vesey Sector and Liberty Sector
 5. Entry into 130 Liberty Street floors 25 & 34 at 0900 Monday to retrieve valuables.

Secret Service Weapons retrieval fully

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 white, 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:

10/21	0700-1100	PINK
10/21	1100-2300	ELECTRIC BLUE
10/21-22	2300-0700	LIGHT GREEN

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. (continued)

SPECIAL INSTRUCTIONS (continued)

15. 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.
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.

DEPARTMENT OF DESIGN AND CONSTRUCTION UPDATE

ACCOMPLISHMENTS (Past 24 hours)

1. Two tiebacks installed in slurry wall south of 2 WTC (Liberty Street).
2. Columns 9 thru 12 cut and dropped from west façade of 2 WTC.

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. Contractor will continue to construct retaining wall for BMT on west side of Church Street.
7. Debris removal in plaza area adjacent to 5 WTC.
8. Core drilling and installation of tiebacks for slurry wall south of 2 WTC.
9. Continue debris removal from 1 and 2 WTC footprints.
10. Removal of Bankers Trust debris will continue during daylight hours only.
11. Demolition of southwest bays of 6 WTC for crane access to north facade of 1 WTC continues.
12. Debris removal and additional demolition of floors 2-10 of 3 WFC (southeast corner).

ANTICIPATED ACTIONS (72 hours)

1. Well points, core drilling and tiebacks being installed on Liberty and West Streets to be continued.
2. Construction of north to south retaining wall for BMT on west side of Church Street.
3. DDC will provide an overall site project plan on 10/22/01.
4. Debris removal north of Marriott (Vista) hotel.
5. Continue south to east access road to plaza.
6. Continue slurry wall backfilling on Liberty Street.
7. Continue shoring in 3 WFC.
8. Continue removals of 2 WTC west and south facades.
9. Removal of debris north of Bankers Trust during daylight hours only.
10. Removal of debris on plaza and concourses.
11. Continue removals from 1 and 2 WTC footprints
12. Effective Monday 10/22, perimeter walls will change effecting access areas.

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 points are as follows: BEING REVISED as of 0001 -10/22

Light blue identification badges will be needed as of 0001 -10/22

Meal Sites are as follows:

- St. John University at 101 Murray
- Marriott WFC Hotel, Albany & West.

Water and Snack Sites are:

- West & Murray
- Church & Dey

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.

Temporary morgue will be moved to Liberty & Church on Monday.

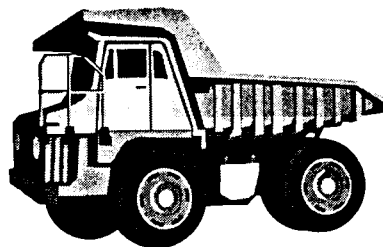
The Fire Marshall trailer is to be removed from West/Vesey.

Fire Marshalls will be located at East Command.



Safety Message

10/21/01



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

✧ *PPE-PPE-PPE-PPE*

While the number of people using PPE is improving, there are still lots of people not adhering to the rules. Thanks to all of you who are setting the example and protecting yourselves from needless exposure and harm by using your PPE. To the rest of you who don't have it or only wear it for looks and don't use it, **Get With The Program.** Use the proper PPE, this includes Hard Hats, Fit Tested Respirators (when working on the pile), and Adequate Eye Protection. . If you notice anyone without PPE refer them to the site safety officer so they can get some.

✧ *Truck and Personnel Washing*

All vehicles must be washed prior to leaving the area. Trucks must come to a complete stop while washing is occurring. Personnel washing facilities are being provided and everyone will have to wash their hands and face as well as have their clothes vacuumed by a HEPA vacuum. Non-compliance with this directive may be subject to monetary fines.

✧ *Crane Operations*

Crane or lift failure will be catastrophic to anyone around them or within the swing arc or boom length. Stay Alert. Have an Escape Route planned from wherever you are working. **In case of an emergency where do you go?????**

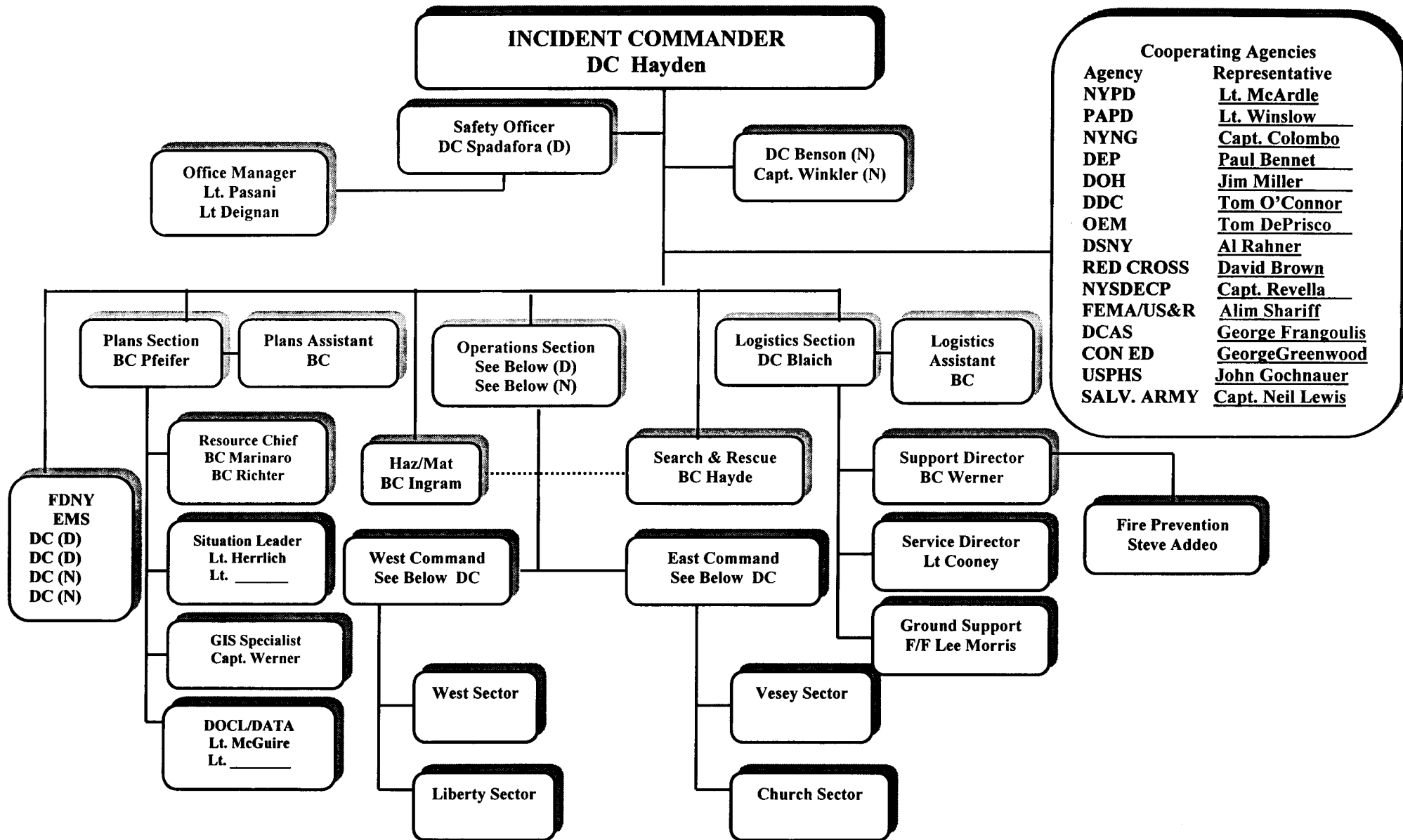
✧ *Keep It Slow-Pay Attention*

If you don't need to drive while in or around the work site, don't. Maximum speed is 10 mph...Gators!

THINK --- PLAN --- THEN ACT

10/21/01

FDNY – WTC ORGANIZATIONAL CHART



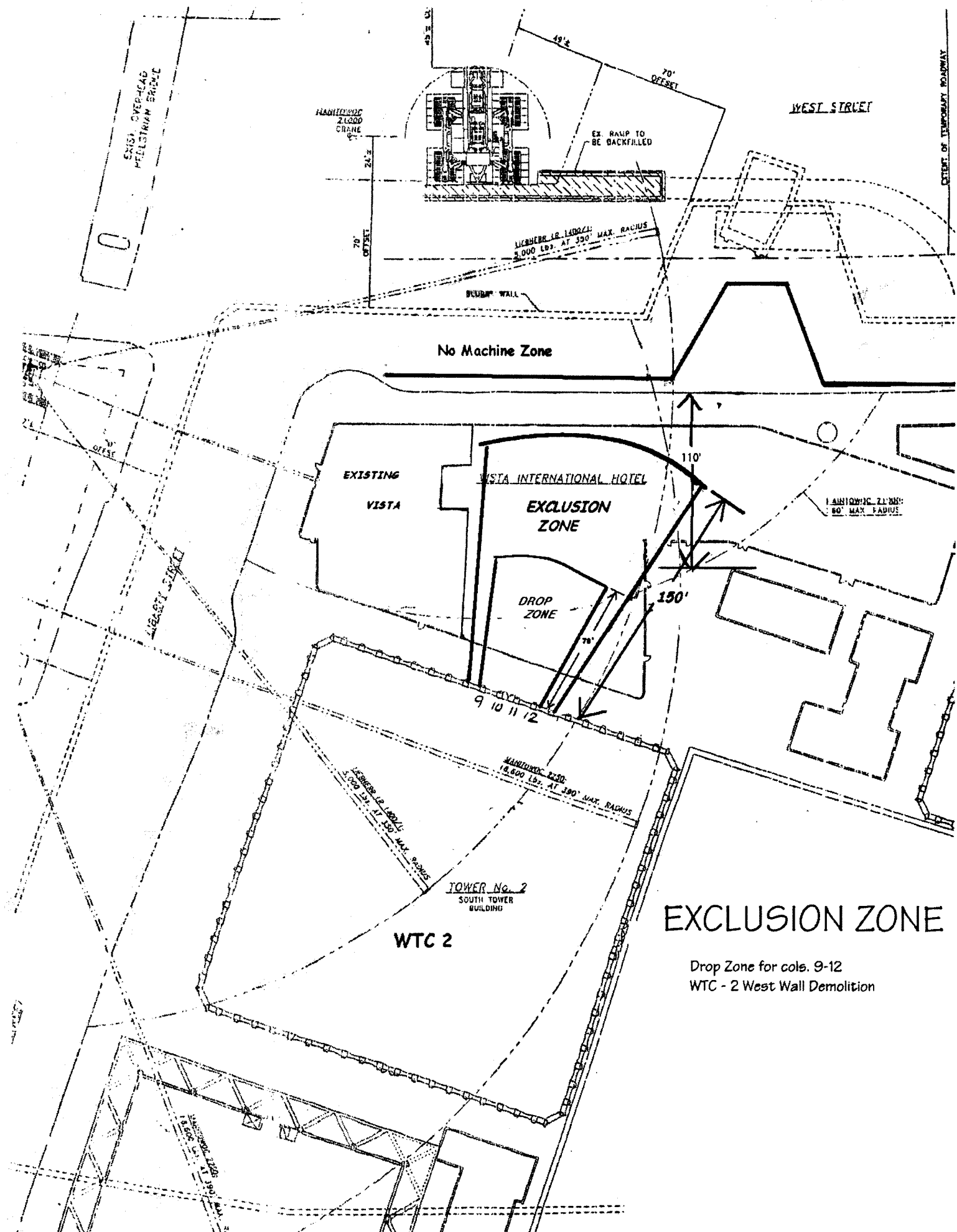
Cooperating Agencies

Agency	Representative
NYPD	<u>Lt. McArdle</u>
PAPD	<u>Lt. Winslow</u>
NYNG	<u>Capt. Colombo</u>
DEP	<u>Paul Bennet</u>
DOH	<u>Jim Miller</u>
DDC	<u>Tom O'Connor</u>
OEM	<u>Tom DePrisco</u>
DSNY	<u>Al Rahner</u>
RED CROSS	<u>David Brown</u>
NYSDECP	<u>Capt. Revella</u>
FEMA/US&R	<u>Alim Shariff</u>
DCAS	<u>George Frangoulis</u>
CON ED	<u>George Greenwood</u>
USPHS	<u>John Gochnauer</u>
SALV. ARMY	<u>Capt. Neil Lewis</u>

WTC Task Force	Tour 1	(D)	0700 – 1900	10/20	Operations Chief	AC – Fellini	DC - Hairing DC - McKnight
	Tour 2	(N)	1900 - 0700	10/20 – 10/21	Operations Chief	DC - Kilduff	DC - DC -

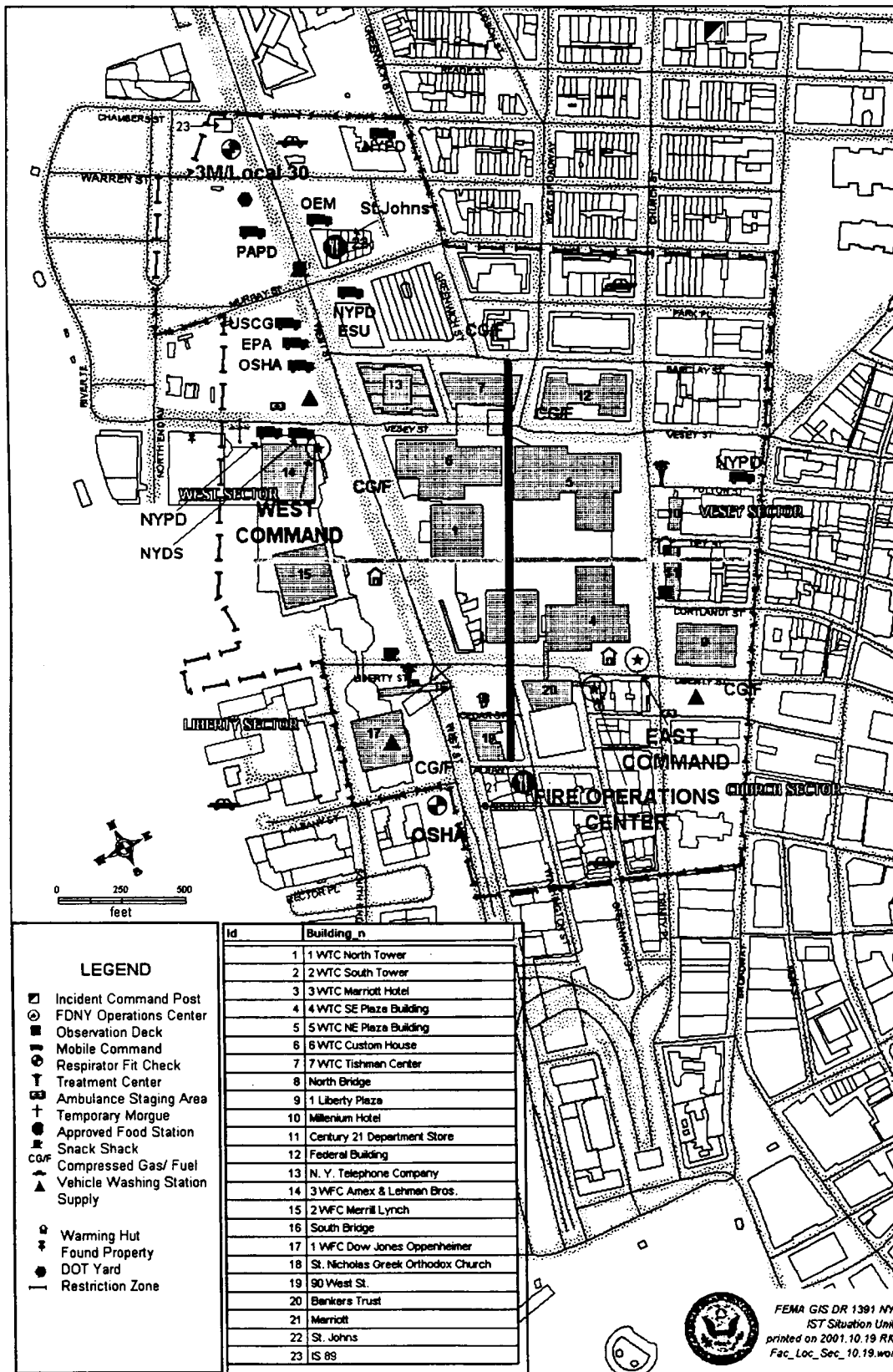
10/21/01**FDNY – WTC ORGANIZATIONAL LIST**

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
OEM	Kevin Culley (IC Liaison)	202-297-7680
DEP	Tom DePrisco	646-756-6332 or 347-203-4177 (Cell)
	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 Gochnauer	347-231-4523
SALV. ARMY	Capt. Neil Lewis	917-587-4068





Facility Locations and Sectors as of 10-19-2001



(917) (513)-1097 US
212-609-5701
for information

FDNY
INCIDENT ACTION PLAN
OPERATIONAL PERIOD
OCTOBER 20 – 21, 2001
0700 – 0700



A handwritten signature in black ink, consisting of stylized, overlapping loops and lines.

PLAN 29

OPERATIONAL PERIOD

Saturday 10/20/2001 – 0700 through Sunday 10/21/2001 – 0700

SAME

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.
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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 / 22 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

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Night Mostly clear, low in the lower 50's.

Outlook Sunday– Partly Sunny, 0% chance of showers, Highs around 70, Lows in lower 50's

Monday – Partly Sunny, Highs in the upper 60's with lows in the lower 50'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)

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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. Intermittent use of two multiversals for cooling and dust control between 5 & 6 WTC.
5. Continued collection of empty compressed gas cylinders.
6. Emphasis continues on slurry wall reinforcement in front of South Tower.
7. Steel and debris removal continues from core of South Tower. Handline use for dust control / cooling.
9. Contractor continues construction of retaining wall for BMT on west side of Church Street.
10. Started demolition of 3 southwest bays of 6 WTC.
11. Site Inspection @ #1 Liberty Plaza complete, will occupy Monday 10/22, FD Systems are in service.
12. NYCTA conducted entry to the #'s 1&9 south of Chambers, shall continue for 1 week.
13. 18 vehicles removed from B1 level 6WTC, shall continue. Demolition shall take precedence over vehicle removal.
14. Fire Prevention met with DCAS and developed fueling procedures for agency vehicles and equipment.
15. Cutting/pulling 1st four columns of west façade of South Tower.
16. Entry into Concourse Level Building 5 WTC to retrieve valuables.

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 five camera points for use in locating the flight recorders.
8. ARMY continues laser mapping to detect any movement/shifting of piles. OEM coordinating.
9. Fire companies to wet down debris fields and dirt roads when requested by DDC.
10. DSNY will continue to water dusty streets and remove garbage.
11. Partial removal of west facade 2 WTC continues. (See attached Exclusion Zone diagram)
12. Continue demolition of 3 southwest bays of 6 WTC.
13. Fire Prevention will begin confiscating 1 & 5 gal plastic gas cans.
14. DOB Derrick & Crane Unit site safety inspection of operations, movement, placement & maintenance.
15. NYSPESH is conducting air sampling and exotic gas monitoring on PD & FDNY for about 1 week.
16. Entry into 90 West, 16th floor for retrieval of valuables from West Valley Investments.

ANTICIPATED ACTIONS (72 hours)

1. Continue in the planned actions and operating instructions.
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4. Review by Mayor's Office of the WTC Long Range Site Plan.
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6. Warming tents will be erected at East Command, Vesey Sector and Liberty Sector
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10/20	1100-2300	LAVENDER
10/20-21	2300-0700	PINK

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13. No open flames or warming fires. Use the warming tents if necessary.
14. No parking along Church between Liberty and Vesey.
15. Prior to any vehicles being removed/towed from bldgs, FDNY Ops. Chief must ensure a foam handline is provided. (continued)

SPECIAL INSTRUCTIONS continued

16. Prior to any steel cutting @ 3 WFC(Amex) a charged handline will be stretched to a location TBD.
17. The exclusion zone for Banker's Trust will be maintained & enforced during cutting operations.
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. See attachments for Fire Prevention Bulletins.

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

1. Two tiebacks installed in slurry wall south of 2 WTC (Liberty Street).
2. Columns 9 thru 12 cut and dropped from west façade of 2 WTC.

Same
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. Contractor will continue to construct retaining wall for BMT on west side of Church Street.
7. Debris removal in plaza area adjacent to 5 WTC.
8. Core drilling and installation of tiebacks for slurry wall south of 2 WTC.
9. Continue debris removal from 1 and 2 WTC footprints.
10. Removal of Bankers Trust debris will continue.
11. Demolition of southwest bays of 6 WTC for crane access to north facade of 1 WTC continues.

Same
ANTICIPATED ACTIONS (72 hours)

1. Well points, core drilling and tiebacks being installed on Liberty and West Streets to be continued.
2. Construction of north to south retaining wall for BMT on west side of Church Street.
3. DDC will provide an overall site project plan on 10/22/01.
4. Debris removal north of Marriott (Vista) hotel.
5. Continue south to east access road to plaza.
6. Continue slurry wall backfilling on Liberty Street.
7. Continue shoring in 3 WFC. — 5-10 S/E corner of building
8. Continue removals of 2 WTC west and south façades.
9. Removal of debris north of Bankers Trust.
10. Removal of debris on plaza and concourses.
11. Continue removals from 1 and 2 WTC footprints
12. Effective Monday 10/22, perimeter walls will change effecting access areas.

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 points are as follows: BEING REVISED

Meal Sites are as follows:

- St. John University at 101 Murray
- Marriott WFC Hotel, Albany & West.

Water and Snack Sites are:

- West & Murray
- Church & Dey

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

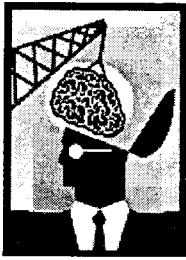
212-425-4201
212-425-4231
212-425-4217
212-425-4180
212-425-4221
212-425-4096 fax

*Fire Marshalls
@
East Command
Post*

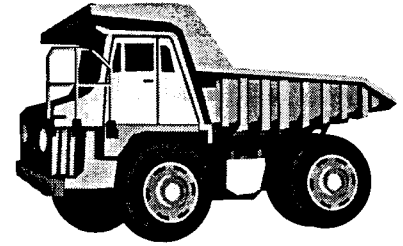
Approved Compressed Gas Storage Locations: Note: Sites, although approved, are subject to change.

- 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.

Temporary morgue will be moved to Liberty & Church on Monday.



Safety Message 10/20/01



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

⚙ *Crane Operations*

Be alert whenever cranes are working in your area. Look up and move away from within the crane's swing arc. Operators, avoid moving loads over personnel or populated facilities. Ensure all cranes are operating within safe limits, and all rigging operations are monitored for safety.

⚙ *Personal Protective Equipment*

All required PPE must be worn on the worksite and in the area. PPE includes Hard Hats, Fit Tested Respirators (when working on the pile), and Adequate Eye Protection. **AVOID** the fumes created by cutting steel—Respirators are absolutely required when working around steel cutters or down wind of cutting operations. If you notice anyone without PPE refer them to the site safety officer so they can get some.

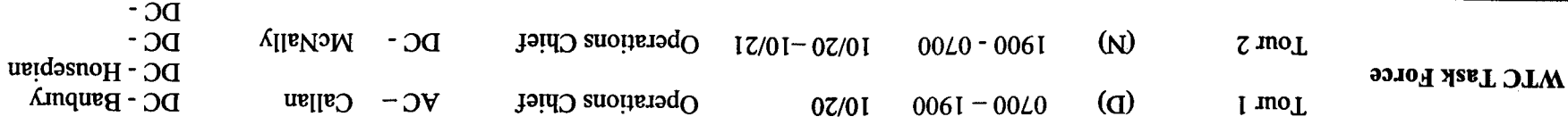
⚙ *Fuel and Compressed Gasses*

Backhaul all used and empty fuel containers and compressed gas cylinders. **Consolidate** them in the designated fuel storage areas for removal. Don't leave them lying around. **Use only New York City-approved containers** and post "No Smoking" signs wherever fuel is being stored.

⚙ *Keep It Slow-Pay Attention*

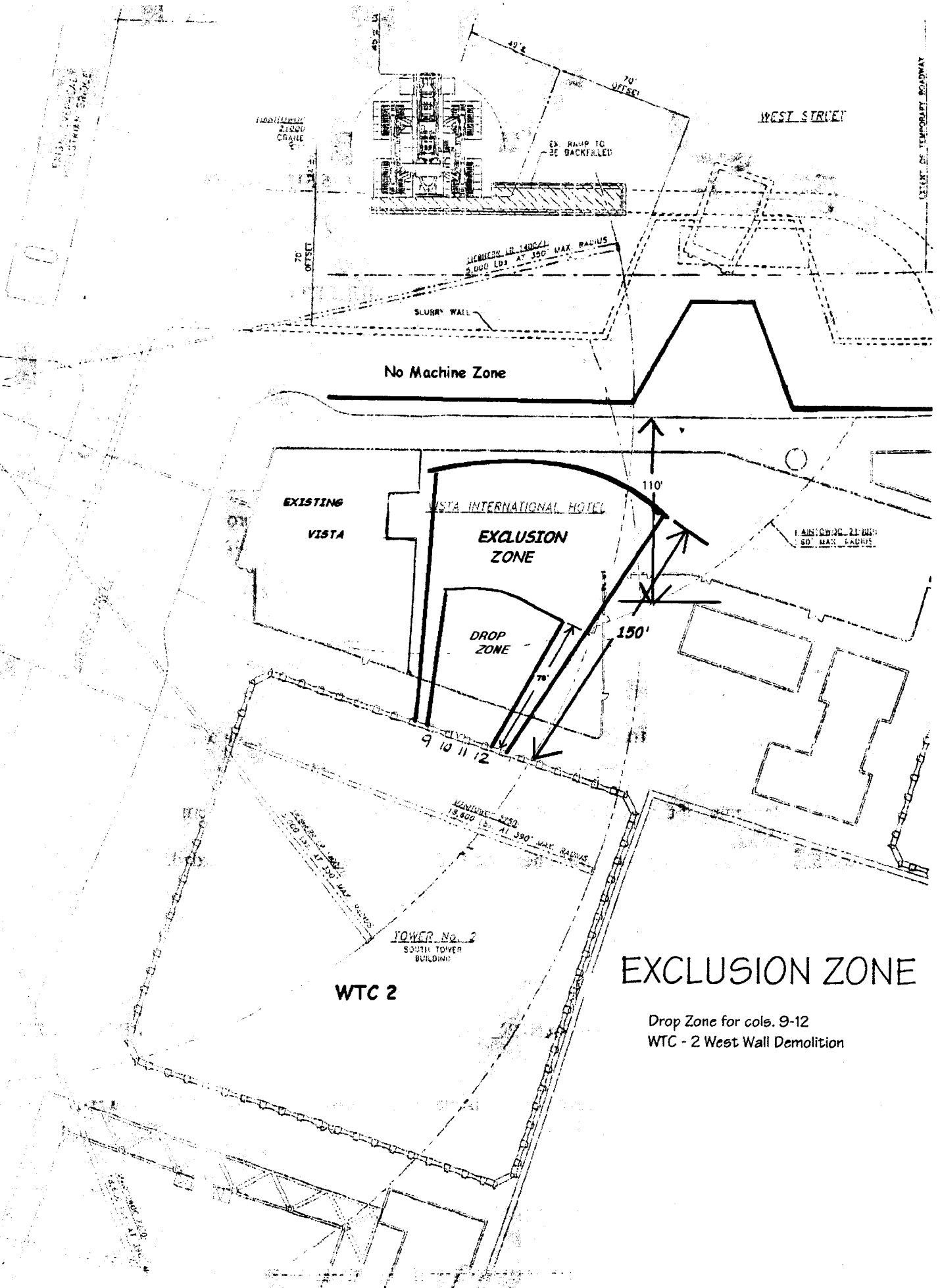
Big equipment or trucks can't see you as well as you can see them, Give them the right of way. Maximum speed is 10 mph...Gators!

Safety –Don't Forget About It



10/18/01**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
OEM	Pete Picarillo (LOGS)	646-210-5861 or 646-756-3018
	Kevin Culley (IC Liaison)	202-297-7680
	Tom DePrisco	646-756-6332 or 347-203-4177 (Cell)
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	Dennis Agazzi	646-235-3000
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	Fred Endrikat	917-709-3118
DCAS	George Frangoulis	646-772-8158
CON ED	George Greenwood	212-460-2602
USPHS	John Gochnauer	347-231-4523



EXCLUSION ZONE

Drop Zone for cols. 9-12
WTC - 2 West Wall Demolition



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

WTC COMMAND

FIRE PREVENTION BULLETIN # 1

Date: October 19, 2001

Subject: Contractor and Agency Re-fueling and Storage of Flammable Liquids Procedures

Contractor Flammable Liquids Storage

Flammable liquid storage is approved for each contractor zone. Approved storage locations are the same as the approved sites for compressed gases with the following provisions:

1. Flammable liquids will be stored a minimum of twenty-five (25) feet away from compressed gas cylinders and/or any source of ignition.
2. All flammable liquids shall be stored in approved containers (metal, spring-loaded cap, non-explosive).
3. Effective Friday 10/18 any plastic gasoline containers found on site will be confiscated. Contractors will discontinue filling plastic gasoline containers.
4. Maximum of three (3) containers, five (5) gallon or smaller, will be permitted.
5. All storage areas and containers shall be properly labeled and placarded.

Contractor Refueling

1. Heavy equipment must be refueled off the pile.
2. **UNDER NO CIRCUMSTANCES SHALL FUEL TRUCKS BE PERMITTED ON THE PILE.**
3. **NO TRUCK TO TRUCK TRANSFERS ARE PERMITTED WITHIN THE CONFINES OF THE SITE.**

Agency Fuel Storage

1. Effective Friday 10/18/01 DOT will discontinue filling plastic gasoline containers.
2. Agency fuel containers will be filled only at the DOT Yard.
3. Vehicles transporting fuel containers will ensure the containers are properly secured while in transit.
4. Kerosene for warming heaters will be exchanged on a one (1) for one (1) basis at the DOT yard. All kerosene will stored and filled in approved blue plastic or metal containers. Kerosene in metal containers will be clearly marked.

Agency Refueling

1. DOT or DSNY will supply fuel to all government agencies and charitable organizations.
2. Agency owned All Terrain Vehicles (Gators), will be fueled only at DOT yard on West Side of West Street at Warren Street.
3. Generators and other similar stationery appliances will be fueled in place by DOT or DSNY on a daily basis or as needed.
4. City owned vehicles shall follow standard refueling procedures at approved vendors.



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WTC COMMAND

FIRE PREVENTION BULLETIN # 2

Date: October 19, 2001

Subject: Fire Safety Requirements for Compressed Gases; Flammable/Combustible Liquids

FIRE SAFETY – EXTINGUISHER AND SIGNAGE REQUIREMENTS

1. Each storage location for compressed gases and/or flammable liquids and/or combustible liquids shall be equipped with at least one 40-B-C rated, wheeled, fire extinguisher. Such fire extinguisher shall be kept outside of the storage facility or placed at another readily accessible location not more than thirty (30) feet from the facility.
2. Danger signs complying with United States Occupational Safety and Health Administration requirements shall be conspicuously posted at each storage location and use site.
3. Signs shall be at least ten (10) inches by fourteen (14) inches in size and shall bear appropriate wording such as “DANGER – FLAMMABLE GAS – KEEP FIRE OR FLAME AWAY – NO SMOKING” in lettering at least two (2) inches high.
4. The word “Danger” shall be in white on a red oval bordered in white which shall be on a black background at the upper part of the sign. The other required wording shall be in black on a white background in the lower part of the sign.
5. Empty containers shall be separated from full containers with signs clearly marked “EMPTY” and “FULL”.



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

WTC COMMAND

FIRE PREVENTION BULLETIN # 3

Date: October 19, 2001

Subject: Procedures for damaged compressed gas cylinders

DAMAGED CYLINDER PROCEDURE

The following procedure shall be followed when finding any cylinder either damaged or improperly stored.

1. Between the hours of 7:00 a.m. and 7:00 p.m. contact Deputy Chief Inspector Stephen Addeo at (917) 468-2760.
2. After hours contact EPA hot line at 1-203-627-9332.
3. If the valve is damaged or missing do not move tank. Notify Sector Chief. Sector Chief will notify Operations Command Post who will then contact Haz-Mat Operations for further instructions.
4. A special cage for damaged cylinders is located near East Sector Command Post. This is the only approved location for damaged cylinders.



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

WTC COMMAND

FIRE PREVENTION BULLETIN # 4

Date: October 19, 2001
Subject: Procedures for Tube Trailer Movement and Location

TUBE TRAILER MOVEMENT AND LOCATION

1. Fire Department shall be notified prior to any tube trailer movement including addition or removal of tube trailers to/from work site. Notification procedure was issued October 17. The procedure must be reemphasized because it is not being followed consistently.
2. Between the hours of 7:00 a.m. and 7:00 p.m. contact Deputy Chief Inspector Stephen Addeo at (917) 468-2760. Alternate after hours contact FDNY Incident Command Post at (646) 613-1591.
3. Tube trailers shall be placed in locations at least fifty (50) feet from heavy equipment operations, including overhead crane operations.
4. Tube trailers will be protected on all sides by solid barricades such as Jersey barriers. At least ten (10) feet of space shall be provided between barricades and tube trailer.
5. In addition, compressed gases storage sites adjacent to vehicular thoroughways will be protected by solid barricades such as Jersey barriers.



Facility Locations and Sectors as of 10-19-2001

