

FDNY
INCIDENT ACTION PLAN
OPERATIONAL PERIOD
TUESDAY
DECEMBER 4, 2001
0700 – 0700



PLAN 70

(RS)

OPERATIONAL PERIOD

Tuesday 12/04/01 0700 –Wednesday 12/05/01 0700 hours

OVERALL INCIDENT OBJECTIVES

1. Provide for the health, safety, and welfare of all personnel working around the incident.
2. Provide for the 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.

051

OPERATIONAL FACILITIES AND LOCATIONS

Incident Command Post	100 Duane Street
Operations Post	10/10 Station (Liberty & Greenwich)
West Command	Vesey & West (West & Liberty Sectors)
East Command	Liberty & Church (Church & Vesey Sectors)
FDNY Cache	Quarters of 10 & 10 – open 0800-2000 hrs.
FDNY Parking	West & Warren Streets. Additional parking at DOT lot (SW corner of West & Warren Streets)

051

OPERATIONAL RESOURCES

FDNY WTC TF

Recovery Team	75 Officers & Firefighters
Suppression Team	10 Officers & Firefighters
FAST Team	7 SOC Officer & Firefighters
GPS/BFU Team	10 Officers & Firefighters per 24 hour tour

FDNY/EMS

14 people per day shift / 13 people per night shift

051

WEATHER FORECAST

Day: Mostly sunny, highs near 60, SW winds 8-10 mph, 0% chance of precipitation.

Night: Partly cloudy, low mid 40's, SW winds 10-15 mph, 0% chance of precipitation.

Outlook: Wednesday, mostly sunny, highs in the mid 60's, 0% chance of precipitation.

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

051

ACCOMPLISHMENTS (Past 24 hours)

1. Food service at Biosphere now in operation.
2. **FDNY – WTC SAFETY OFFICER BULLETIN # 1 has been attached**

CONTINUING ACTIONS

1. Application of water to South Tower area and where heat and smoke are escaping in an attempt to extinguish/reduce the heat. Operation continues.
2. Operations continue on debris removal from the North Tower area with intermittent use of handlines to cool debris.
3. Steel cutting @ Bankers Trust (130 Liberty St.), from 11th floor down to 8th floor continues on a 24-hour basis with a shift change between 1700 – 1900 hours. Handline fire prevention/suppression support from FDNY will be necessary on a floor-by-floor basis. This work continues. Sprinkler & Standpipe systems are OOS.
4. Demolition of 6 WTC continues. Hand line fire prevention/suppression support from FDNY required on Vesey St. on a 24/7 basis.
5. Steel cutting @ 30 West Broadway. Specialized demolition at various floors, including removing a portion of the 8th floor slab. Handline for fire prevention/suppression support from FDNY will be necessary.
6. Demolition of 5 WTC continues. FDNY support needed for fire suppression/fire prevention.
7. Insertion under 6 WTC to check for stability of slab, @ 1200 hrs. for one hour for. SOC is required.
8. NYDOL PESH issuing personal monitoring for Pd & FD.
9. West Street Siamese at 3 WFC is OOS. Use Vesey Street Siamese if needed.
10. Demolition work at 3 WFC. Burning on floors 17-26 from 0700-1530 hrs. Burning will also take place on floors 1-10 from 1600 to 2400 hrs. FD support needed fire suppression/fire prevention. Observe exclusion zone.

PLANNED ACTIONS (Next 24 hours)

1. Demolition work at 3 WFC. Burning on floors 17-26 from 0700-1530 hrs. Burning will also take place on floors 1-10 from 1600 to 2400 hrs. FD support needed fire suppression/fire prevention. Observe exclusion zone.
2. Precutting of south bays of 6 WTC in preparation of pull down. FD support required for suppression.
3. Insertions into sub-grade areas of 6 WTC for structural survey of slabs. Scheduled for 12/3 @ 1200 hours. All demolition work at 6 WTC to stop. SOC required.

ANTICIPATED ACTIONS (48 - 72 hours)

1. Insertion to PATH Mezzanine via Barclay St. ramp for PATH equipment salvage. Scheduled for Monday, 12/10 from 1900 – 0500 hours. SOC required.
2. Insertion to supplementary chiller plant to evacuate Freon from chiller #11 and #12 scheduled for 1900-0500 hours on 12/4 (Tuesday). SOC Required.

SPECIAL INSTRUCTION

1. **FDNY Sector Chiefs will approve all searches.**
2. **No open flames or warming fires. All fires will be extinguished by the BFU.**
3. Operations Post is requested to fax the name of the Safety Chief for each tour to the Incident Command Post.
4. **PPE requirements are as follows:**
Red Zone – Helmet, Safety Glasses & Safety Shoes, Coveralls, Long-sleeved Shirts.
Inner Zone – Helmet, Safety Glasses, Safety Shoes, Respirators, Coveralls & Long-sleeved Shirts. **FD Helmets with reflective tape or FD Bunker coats must be worn when working on the pile to identify as members of the dept.**
5. FDNY personnel parking is located on the south side of Warren St., 250 feet east of West St. Access to the FD parking lot must be made through the West & Chambers Street checkpoint. Members will be issued a site access card at the beginning of their shift. These access cards must be prominently displayed to allow entry onto the site. The access cards shall be handed in at the end of the shift. Coveralls and respirators will be available at the FD Warren St. parking lot.
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 using a **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 any SCBA or compressed gas cylinders are found, the Sector Chief will contact ICP for Fire Prevention notification. Cages are at East & West Command for temporary storage of cylinders.
8. 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.
9. Prior to any vehicles being removed/towed from buildings, FDNY Operations Chief must determine if a foam handline is needed.
10. A charged handline must be in position prior to any steel cutting operation inside of buildings.
11. Void entries and searches where elevated Freon readings exist (1 & 2 WTC) require O₂ monitoring prior to entry.
12. **All Fire Department members (all ranks) will report to the West Command Post, ready for duty no later than 0700 or 1900 hours.**
13. Crane Site Safety and Contingency Plan have been reissued.
14. Remains Recovery Protocol from OCME issued.
15. **All underground insertions/void searches must be coordinated with FDNY SOC Chief on duty and the IC at Duane St. to ensure safety.**
16. **The WTC Organizational Chart dated 12/1/01 is in effect for this Operational Period. Members assigned to WTC Task Force group 4 scheduled to work on the night tour 12/4/01 will be held on overtime on Wednesday morning 12/5/01. This will allow new WTC Task Force members to attend an orientation, which will last for about one hour.**

SPECIAL INSTRUCTION - CONTINUED

17. **FDNY – WTC SAFETY OFFICER BULLETIN # 1 has been attached.**
18. **Recovery Operations – World Trade Center memo has been issued. A copy has been included in IAP.**
19. **PAPD proposal to address WTC recovered Vehicles has been issued. A copy has been included in IAP.**

DEPARTMENT OF DESIGN AND CONSTRUCTION UPDATE

ACCOMPLISHMENTS (Past 24 hours)

1. 97 tiebacks installed in slurry wall south of 2 WTC (Liberty Street)/ 85 tensioned. 2 rigged & 12 grouted Installation of tiebacks on east wall will commence shortly.
2. All scheduled work in the West St./FDR Tunnel completed.
3. Manitowoc 4100 crane removed from Plaza area after completion of demolition of South Bays of 5 WTC.
4. Concrete repairs to 6 WTC Tunnel.

PLANNED ACTIONS (Next 24 hours)

1. Continued debris removal in footprints of 1,2,4,5 & 6 WTC.
2. Dewatering of Sub grade and PATH tunnel via North & South Projections continues.
3. Demolition of 5 & 6 WTC continues.
4. Core drilling & tiebacks continue on Greenwich, Liberty & West Streets.
5. Continue debris removal on 8th - 11th floor at Bankers Trust. Cutting torch work restarted, Handline for fire prevention/suppression support from FDNY will be necessary.
6. Insertions into sub-grade areas of 6 WTC for structural survey of slabs. Scheduled for 12/4 @ 1200 hours. All demolition work at 6 WTC to stop. SOC required.
7. Demolition work at 3 WFC. Burning on floors 17-26 from 0700-1530 hrs. Burning will also take place on floors 1-10 from 1600 to 2400 hrs. FD support needed fire suppression/fire prevention. Observe exclusion zone.
8. Insertion to supplementary chiller plant to evacuate Freon from chiller #11 and #12 scheduled for 1900-0500 hours on 12/4 (Tuesday). SOC Required.
9. Delivery of Freon evacuation equipment (tank truck & pump truck) to West St. by the North Projection.
10. Concrete repairs to 6 WTC Tunnel.

ANTICIPATED ACTIONS (48-72 hours)

1. Core drilling and tiebacks continue on Greenwich, Liberty & West Streets.
2. Dewatering of PATH from No. Projection & Refrigeration Plant from So. Projection.
3. Demolition of the S/E corner of 3 WFC to continue. New exclusion zone as per attached drawing.
4. Debris removal to continue in footprints of 1,2,4,5 & 6 WTC.
5. Debris removal to build new westerly road parallel to Liberty St.
6. Insertions into sub-grade areas of 6 WTC for structural survey of slabs. Scheduled @ 1200 hours. All demolition work at 6 WTC to stop.
7. Insertion to supplementary chiller plant to evacuate Freon from chiller #11 and #12 scheduled for 1900-0500 hours on 12/5 (Wednesday) SOC Required.
8. Insertion to PATH Mezzanine via Barclay St. ramp for PATH equipment salvage scheduled for 12/10/01 (Monday) from 1900 to 0500 hrs. SOC required.

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 OSH

12/03/01

FDNY IAP - NOT FOR PUBLIC DISTRIBUTION

LOGISTICS

1. All Fire Department members (all ranks) will report to the West Command Post, ready for duty no later than 0700 or 1900 hours.
2. FD members parking will be located on the south side of Warren St., 250 feet east of West St.
3. Access to the FD parking lot must be made through the West & Chambers Street Checkpoint.
4. FD ID cards will be needed for access.
5. Coveralls and respirators will be available at the FD Warren St. parking lot.

Meal Sites are as follows: Water and Snack Sites are:

Food service at Biosphere.

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

Sanitation Sites are as follows: (See attachment)

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.,

West & Rector. Showers are available at the following locations:

West & Albany,

Trinity & Cedar

EPA Winterized Wash Stations:

Biosphere at West & Vessey (main station)

West Broadway & Park Place – satellite location

Fulton St. between Church & Broadway - satellite location

Trinity & Cedar - satellite location

Albany & West (Bovis Yard) - satellite location

Lockers:

112 lockers are available for members at the Biosphere (West & Vesey Streets)

MEDCOR Medical Sites:

Fulton St., east of Church St.

Vessey St., west of West St.

Cache Site (@ 10/10 Station is as follows: Supplies are for uniformed emergency personnel only.

WEST COMMAND POST

212-608-7753

212-608-7754 (Data Recorders)

212-608-7797

212-608-8048

212-608-9556 fax

212-608-9801 fax (Data Recorders)

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: Site although approved, are subject to change):

AMEC Zone: West Street adjacent to foundation for North Bridge

BOVIS Zone: Front of 90 West St.

TULLY Zone: South side of Liberty Street between Broadway and Church

TURNER Zone: Vesey and West Broadway



Safety Message 12/04/01

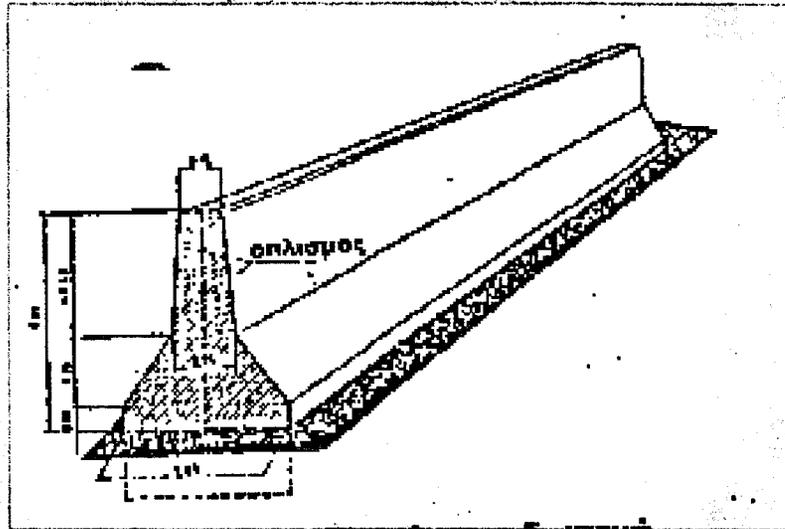


Major Hazards:

Crane Operations
Demolition Operations
Biological Hazards

Falling Glass & Debris
Traffic
Walking and Working Surfaces

Hazardous Materials
Lack of PPE
Dust and Airborne Particles



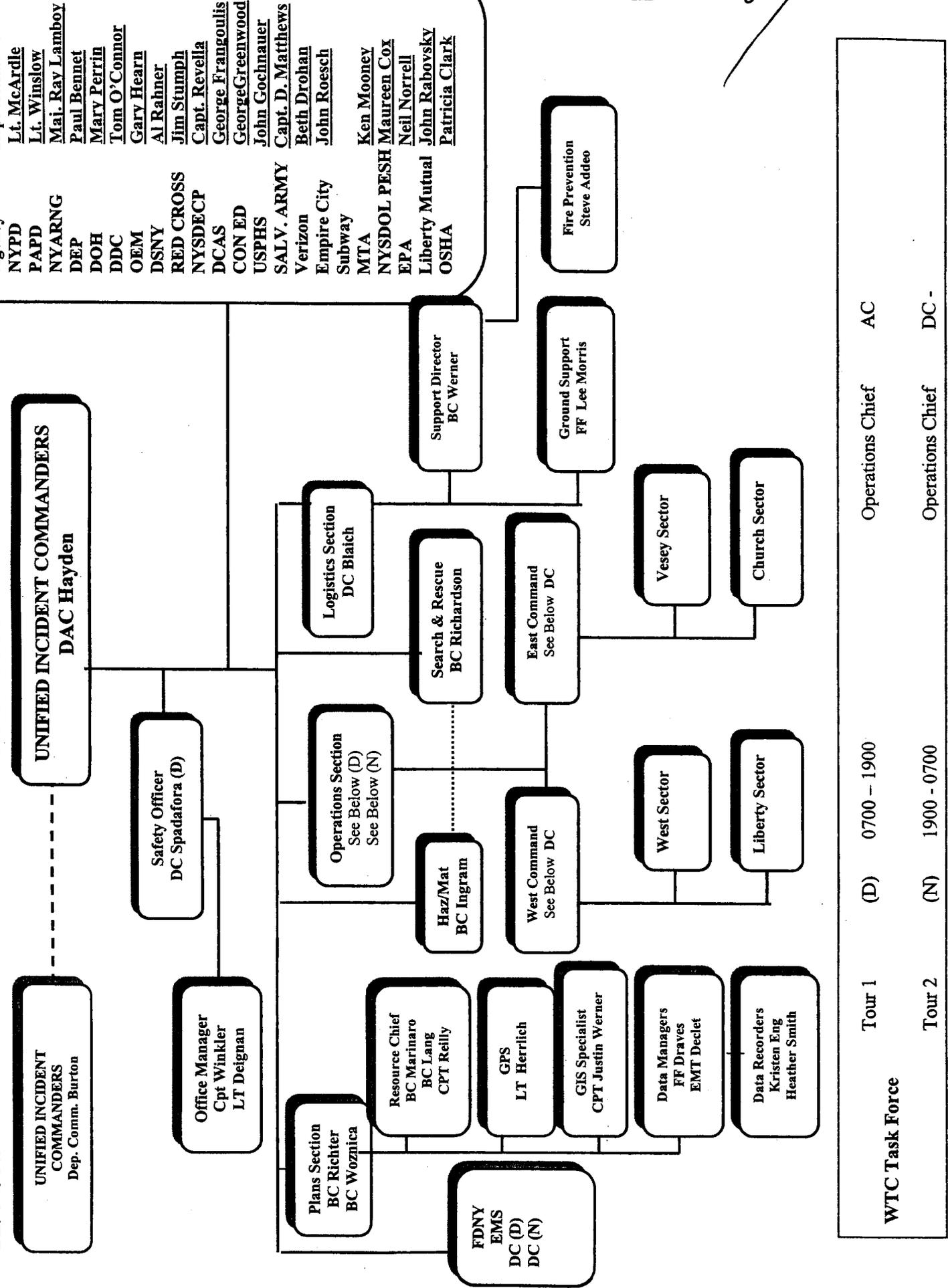
✧ *Jersey Safety Barriers*

Jersey Barriers are being used throughout the site. The use of both concrete and plastic barriers has been found. While the concrete barriers are heavy and must be moved by construction equipment, the same is not true with the plastic ones. The plastic units are lightweight and hollow. They can be filled with water or sand. Do not rely on these barriers being filled. Members shall not sit or lean on these barriers. A member's weight could cause the barrier to shift, possibly causing the member to fall into a shaft or basement area.

THINK --- PLAN --- THEN ACT

12/04/01

WTC ORGANIZATIONAL CHART



est

WTC Task Force	Tour 1	(D)	0700 - 1900	Operations Chief	AC
	Tour 2	(N)	1900 - 0700	Operations Chief	DC -

12/04/01**FDNY – WTC ORGANIZATIONAL LIST***025*

FDNY	Duane St. Command Post	646-613-0228/1591/7293
NYPD	Lt. McArdle	212-233-6408/6427 Pager 914-771- 2889
NYPD-PBMS D.I.	John Codiglia	212-625-2810
PAPD	Lt. Mark Winslow	212-608-5111/5115/9393
PAPD Veh. Rec.	Lt. Brian Tierney	917-567-2482 / 212-608-5511
OEM	Gary Hearn (0600-1800) John Messina (1800-0600)	646-756-6262 Fax 212-941-5266
DEP	Paul Bennet or acting	917-769-1282/718-595-6777
DOH	Mary Perrin	212-788-4293
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
DDC SAFETY	Bob Adams	212-640-9095
NYSDECP	Capt. T. Revella	646-756-3136
DSNY	Al Rahner	646-235-3040
Red Cross	Bob Bonzick	646-303-7881
NYCSO	Lt. Scali	646-756-3125
NYARNG	Major Thomas Kilmartin	347-739-1320
	Major Ray Lamboy	917-807-1803
	CW4 Ron Robinson	347-219-3986
DCAS	George Frangoulis	646-772-8158
CON ED	George Greenwood	212-460-2602
USPHS	Ronald Herring	347-231-4632
Salv. Army	Capt. Dan Matthews	201-406-8955
Verizon	Beth Drohan Dan Lynaugh	646-613-9247 or 917-301-8864(cell) 212-965-5702/5703/5704/5705
Empire City	John Roesch Sandra DiBernardo	212-242-1173//1180
MTA	Ken Mooney John Ferrelli Mike Fradua	718-243-4446 718-243-3147 718-243-4358
NYDOL PESH	Maureen Cox	518-225-6931
EPA	Neil Norrell	212-608-7097 or 732-689-0010
Liberty Mutual	John Rabovsky	917-658-9172
OSHA	Pat Clark	212-337-0118



FIRE DEPARTMENT

9 METROTECH CENTER

BROOKLYN, N.Y. 11201-3857

SALVATORE J. CASSANO
 Chief of Operations
 Bureau of Operations

Room 7W-1
 (718) 999-2079

TO: John Odermatt Deputy Directory
 Office of Emergency Management

FROM: Salvatore J. Cassano *SJC* Chief of Operations

DATE: December 3, 2001

SUBJECT: Recovery Operations – World Trade Center

Effective December 4, 2001 the following allocation of uniformed personnel shall be the new operational procedure for recovery operations at the World Trade Center. This allocation of personnel will enable the FDNY to efficiently utilize its personnel to fulfill its responsibility for recovery operations under the Incident Command System and jointly conduct recovery operations with the NYPD and PAPD.

The Office of Emergency Management is requested to notify the NYPD/PAPD of the new procedure and ensure their cooperation.

Zone 1:	25 FDNY	1 Battalion Chief
	25 PAPD	1 PAPD Supervisor
	or	or
	25 NYPD	1 NYPD Supervisor
Zone 2:	25 FDNY	1 Battalion Chief
	25 PAPD	1 PAPD Supervisor
	or	or
	25 NYPD	1 NYPD Supervisor
Zone 3:	24 FDNY	1 Battalion Chief

Additional:

- 1) NYPD and PAPD will have their 25 members alternate each day between Zone 1 and Zone 2, i.e.:

Day 1 – Zone 1: 25 FDNY and 25 NYPD
Zone 2: 25 FDNY and 25 PAPD
Day 2 – Zone 1: 25 FDNY and 25 PAPD
Zone 2: 25 FDNY and 25 NYPD
Both Days Zone 3 has 24 FDNY members.

- 2) Deputy Chief on scene is designated the Operations Chief.
- 3) Requests for GPS shall go through the FDNY Battalion Chief in each zone.
- 4) Meetings shall be held at the FDNY West Command with involved agencies at 0700 hours and 1900 hours respectively.
- 5) If an adjustment from zone to zone is necessary, such a determination may be made at the 0700 hours and 1900 hours meetings with representatives from NYPD/PAPD.

SJC:kc

cc: Peter Hayden, WTC Incident Commander

Attachment: Zone map

FDNY – WTC SITE SAFETY OFFICER BULLETIN #1

December 3, 2001

As a result of the 2nd Alarm Fire inside 3 WFC (AMEX Bldg) on Sunday, December 2nd, it is imperative that the FDNY be **VERBALLY INFORMED** of all steel cutting activities prior to commencement.

All on site Primes/Subs will notify the FDNY Operations Post (10/10) via phone at (212) 425-4278 prior to the start of steel cutting operations. Additionally, no steel cutting shall start until FDNY personnel are on the scene and **VERBAL CONTACT** has been made with a FDNY Chief/Company Officer.

Be advised it is still mandated that all Primes/Subs fax their Daily IAP Progress Reports to the FDNY Incident Command Post at 100 Duane St. (646-613-8403) by 1500 hrs.

Thank you for your cooperation,
D.C. Ronald Spadafora
FDNY Site Safety Officer.

Port Authority Police
Proposal to Address WTC recovered Vehicles

- All vehicles recovered from the World Trade Center Property (i.e. Sub Basement Garage Levels) must be processed through the PAPD Auto Crime Scene Unit Liaison: Lt. Brien Tierney (917) 567-2482, On site: (212)-608-5111.
- NO VEHICLE shall be removed from the site without PAPD approval. Vehicles will only be removed by PAPD designee.
- All vehicles recovered shall be brought to the designated holding area (To be determined). PAPD will be notified ANYTIME that a vehicle is removed.
- Contractors should take care to accurately determine the origination point of each recovered vehicle. (Viable or not).
- Viable (intact) Vehicles should only be removed from the pile under supervision by PAPD Auto Crime Unit. Care should be taken to protect any possible evidence ON or WITHIN the vehicle.
- Wrecks, Shells, or Burnt out vehicles may be removed to the designated area at anytime. Again care should be taken to protect any evidence ON or WITHIN. DO NOT CRUSH.
- Once Vehicles are removed to the designated area, PAPD police officers will standby for security.
- Personal property within the vehicles should remain with that vehicle and UNDER NO CIRCUMSTANCES be removed.
- Care should be taken at all times with ALL vehicles to avoid further unnecessary damage. This includes wrecks and shells. The vehicles and their contents are to be considered as evidence of a crime and treated as such.

FDNY

WTC APPARATUS

LOCATIONS

out

TYPE	LOCATION	ACTIVITY
E 40 MP 8903	Between Towers 1 & 2	
E 40-2 MP 8816	Corner of West & Vesey	
MP 8705	Corner of Albany & Washington	
MP 8922	Liberty west of West St.	
MP 8708	West St. between Atrium & Bldg. 6	
MT 8903D	Church between Cortlandt & Fulton	
MT 8803D	IFO 6 WFC	
BFU 3 9704	Quarters 10/10	Site patrol

Operations Command is requested to update this list and return to the Incident Command Post by 1700 hours daily.

CLEANING OF BUNKER GEAR

**OUTGOING WTC TASK FORCE DETAILS SHALL
TURN THEIR BUNKER GEAR IN FOR CLEANING.**

Pickup schedule shall be as follows:

Mon. day shift (12/3) – 1900 hrs. on Mon. (12/3)

Mon. night shift (12/3) – 0700 hrs. on Tues. (12/4)

Tues. day shift (12/4) – 1900hrs. on Tues. (12/4)

Tues. night shift (12/4) – 0700hrs. on Wed. (12/5)

**Gear shall be collected at FDNY Parking Lot located at
Warren & West Streets. Members shall tag their gear.**

Bunker gear shall be delivered back to Divisions in 24 hrs.

Dave Cornhauser/Tri-Lex 877-709-3009

Joe Goliza/Quartermaster 718-709-3009