

FDNY
INCIDENT ACTION PLAN
OPERATIONAL PERIOD
OCTOBER 29, 2001
0700 – 0700



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LT SGT PO

PLAN 38
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OPERATIONAL PERIOD

Monday 10/29/2001 – 0700 through Tuesday 10/30/01 - 1900

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 resources, 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
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/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 sunny / warmer, 0% chance of showers, light & variable wind, highs in the upper 50's.

Night Partly cloudy, lows upper 40's, 0% chance of showers, west winds 5 – 10, becoming NW @ 10.

Outlook Tuesday– Partly sunny, 0% chance of showers, highs around 60, lows in the mid 40's

Wednesday– Partly sunny, highs upper 50s.

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. Emphasis continues on slurry wall reinforcement in front of South Tower with 10 tiebacks in place.
5. Steel and debris removal continues from core of South Tower. Handline use for dust control/cooling.
6. Perimeter wall & access points established (light blue badges required to enter). See Facilities map
7. Installation of steel plates to block Church St. ventilators.
8. Entered into 5 WTC, Concourse Level.
9. DOH has set up monitors for air quality on 1 WFC.
10. NYPD escorted occupants into 90 West on the 16th floor to retrieve valuables.
11. Passenger train service began 5 am on Sunday at the Whitehall, Rector & City Hall Stations, bypassing Cortlandt Station.

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. 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.
4. 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.
5. Continue GPS mapping and documentation of recovery operations and structural features.
6. NIJ continues to operate 2 camera points for use in locating the flight recorders.
7. DSNY will continue to water dusty streets and remove garbage.
8. DOB Derrick & Crane Unit site safety inspection of operations, movement, placement & maint.
9. Continue removal of west and south facades of 2 WTC, and debris in Vista alley.
10. Debris and steel removal from Bankers Trust building continues day and night.
11. Debris removal in the alley between 5 & 6 WTC.
12. Con Ed digging a short test trench on West Street in north bound lane for steam piping.
13. Con - Ed submitting plan Monday for steam pipe cutting on Chambers.
14. Planned entry @ 0900 into 5 WTC, 2nd floor, City Bank vault, supervised by FDNY

ANTICIPATED ACTIONS (72 hours)

1. Continue in the planned actions and operating instructions.
2. As 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 East sides of Marriott (Vista)
South Tower (2 WTC)	
3. Review by Mayor's Office of the WTC Long Range Site Plan.

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. All Emergency Personnel operating on the South Tower in selected areas will be in bunker pants or coveralls.
6. 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:

10/29	0700-1100	LIME
10/29	1100-2300	CRANBERRY
10/29-30	2300-0700	GOLDENROD

The band must be prominently displayed to allow entry onto the site.
7. 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.
8. Fire companies to wet down debris fields and dirt roads when requested by DDC.
9. 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. Steel workers are required to wear full-face protection in suspected areas.
10. 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.
11. 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.
12. 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.
13. 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.
14. NYPD will have K-9's available at 1 and 2 WTCs, the Marriott Hotel, and the Plaza for use when excavators are not operating.
15. No open flames or warming fires. Use the warming tents if necessary.
16. No parking along Church between Liberty and Vesey.
17. Prior to any vehicles being removed/towed from buildings, FDNY Operations Chief must ensure a foam handline is provided.
18. 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.
19. The exclusion zone for Banker's Trust will be maintained & enforced during cutting operations (see attached diagram).
20. Exclusion zone for 2 WTC continues in effect for all personnel (see diagram).
21. 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. Ten tiebacks installed in slurry wall south of 2 WTC (Liberty Street).
2. Shoring of 3 WFC substantially complete.
3. Back fill operation south of 2 WTC from Greenwich to West complete.
4. Mueser Rutledge Engineers conducted detailed condition survey of 1&9 tunnels, entry was via Vesey & West Broadway.
5. Backfilled void North of slurry wall & South of 2 WTC from Greenwich to West Street.

PLANNED ACTIONS (24 hours)

1. Continuing removal of steel along south to east access road to Plaza.
2. Well points being installed on Liberty Street and also West Street by Moretrench Drilling.
3. Removal of 2 WTC south and west façades to continue.
4. Debris removal in plaza area adjacent to 5 WTC.
5. Core drilling and installation of tiebacks for slurry wall south of 2 WTC, and west of Vista Hotel.
6. Continue debris removal from 1 and 2 WTC footprints.
7. Debris removal in Vista alley.
8. Debris removals north of Bankers Trust building.
9. Debris removal between 5 and 6 WTC.
10. Debris removal West of BMT for up-coming N & R opening.
11. Shoring of IRT (1&9) Line, Liberty to Vesey.
12. EPA removal of fuel oil from basement of Bankers Trust.
13. Debris removal from roof of Winter Garden.
14. Netting of Bankers Trust.
15. Back filling in front of Marriott Hotel to support slurry wall
16. AMEC demolition of 6 WTC scheduled for today.
17. AMEC cutting North façade wall of 1 WTC today.
18. Demolition bid package for 5 WTC to be issued on Monday or Tuesday.
19. Removal of steel spears from 3 WFC scheduled for approx. 13:00 hrs.
20. Prepare for dewatering of B-6 level. Work to commence via the North Projection.
21. Electricians to run cable and set up generators to assist with retrievals for Nova Scotia

ANTICIPATED ACTIONS (72 hours)

1. Well points, core drilling and tiebacks being installed on Liberty and West Streets to be continued.
2. Debris removal in the Vista alley.
3. Continue south to east access road to plaza.
4. Continue slurry wall backfilling on Liberty Street.
5. Continue removals of 2 WTC west and south facades.
6. Removal of debris on plaza and concourses.
7. Continue removals from 1 and 2 WTC footprints.
8. Demolition of southwest bays of 6 WTC for crane access to north facade of 1 WTC continues.
9. DDC will provide an overall site project plan.
10. EPA removal of fuel oil from basement of Bankers Trust.
11. Placement and wiring of temporary generator for the freight elevator of Bankers Trust.
12. Removal of scaffolding from Winter Garden frontage.
13. Dewatering at North Projection.
14. Continue work for retrievals for Nova Scotia.

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

See attached facilities map for access points in the security perimeter.

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., West & Rector

Cache Sites (Alaska – IMT) are as follows: **Supplies are for uniformed emergency personnel only. They must be authorized by their respective agency representative, who are as follows:**

NYPD – Lt. McArdle

PAPD - Lt. Winslow

FDNY – BC Werner

- 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 Operations Post at 10-10.

BCs and FFs report at 0930 and 2130 to WFM.

Transition to the West and East Command Posts is complete.

WEST COMMAND POST

EAST COMMAND POST

212-608-7753

212-425-4201

212-608-7754 (Data Recorders)

212-425-4231

212-608-7797

212-425-4217

212-608-8048

212-425-4180

212-608-9556 fax

212-425-4221

212-608-9801 fax (Data Recorders)

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: Front of 90 West St.
- TULLY Zone: South side of Liberty Street between Broadway and Church
- TURNER Zone: Vesey and West Broadway

Fire Marshall's are located at temporary morgue.

Temporary morgue is in place on Liberty, between Church and Broadway.

Safety Message 10/29/01



Major Hazards:

Crane Operations

Falling Glass & Debris

Demolition Operations

Traffic

Biological Hazards

Walking and Working Surfaces

Hazardous Materials

Lack of PPE

Dust /Airborne Particles

◆ Know the Plan

Yesterday provided a short rest break for most workers. It allowed quiet time for showing respect to our fallen comrades and a chance to reflect on the situation. **Now**, however, it is time to **re-engage** our **attention** and our **effort**. **Know the plan** and the part you play. **Tune your senses** and focus on the job.

◆ Be Prepared

- Ensure you have all your **PPE** (respirator, eye protection, hardhat) and that is in good serviceable order.
- Wear layered clothing for adapting to changing temperatures.
- Use universal precautions whenever dealing with any biological material or potential BBP issues.
- Expect the unexpected and anticipate problems that may arise while working.

◆ Be Aware

- Be aware of your surroundings.
- What are the hazards?
- Who or what is working close to you?
- Where do you go if something goes wrong?

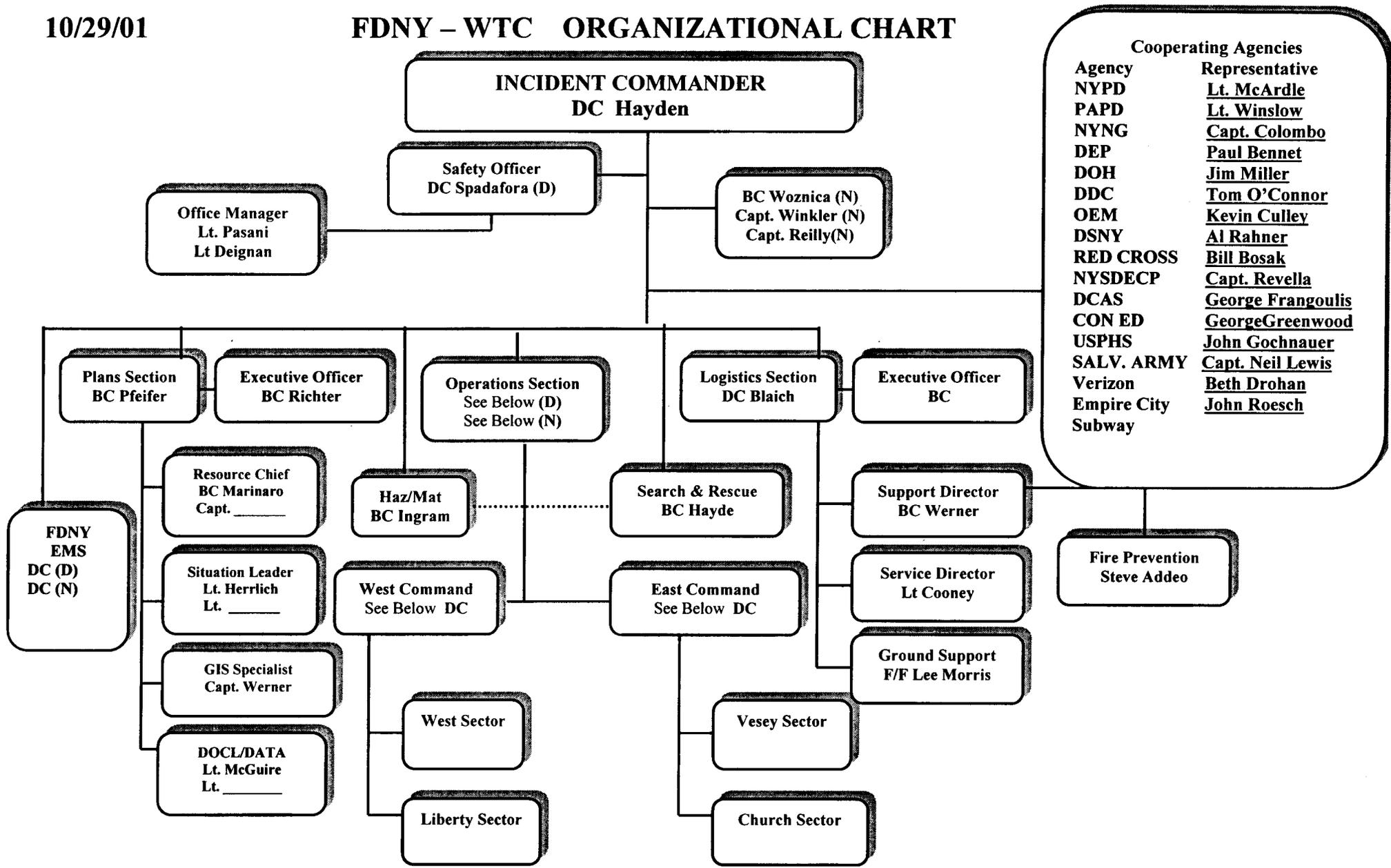
◆ Advocate Safety

Everyone is a Safety Officer. If you see a problem, fix it or pass on the information to the designated safety officer.

**Safety:
You Can't
Live
Without It**

10/29/01

FDNY – WTC ORGANIZATIONAL CHART



WTC Task Force	Tour 1	(D)	0700 – 1900	10/29	Operations Chief	AC – Fellini	DC - Hughes
	Tour 2	(N)	1900 - 0700	10/29 – 10/30	Operations Chief	AC - Mulrenan	DC - DC -

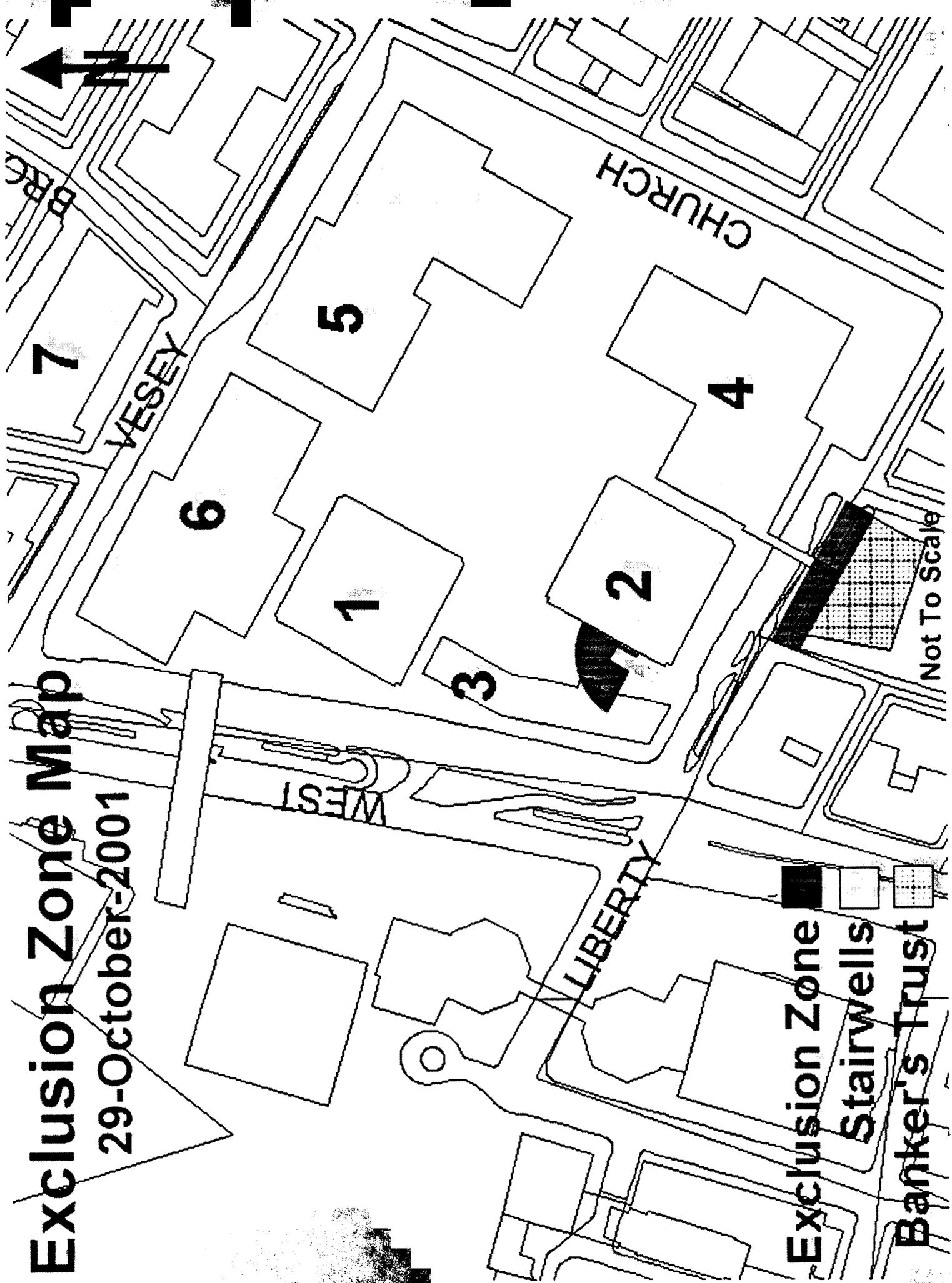
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FDNY – WTC ORGANIZATIONAL LIST

FDNY	Duane St. Command Post	646-613-0228/1591/7293
NYPD	Lt. McArdle	212-227-0010 or 5564 Pager 914-771- 2889
NYPD-PBMS	D.I. John Codiglia	212-625-2810
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	Bill Bosak	516-287-5598
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
Verizon	Beth Drohan	646-613-9247 or 917-301-8864(cell)
	Dan Lynaugh	212-965-5702/5703/5704/5705
Empire City Subway	John Roesch	212-242-1173

Exclusion Zone Map

29-October-2001



Not To Scale

Exclusion Zone

Stairwells

Banker's Trust

