

FDNY
INCIDENT ACTION PLAN
OPERATIONAL PERIOD
NOVEMBER 13, 2001
0700 – 0700



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OPERATIONAL PERIOD

Tuesday 11/13 0700 hours – Wednesday 11/14/01 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.

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

OPERATIONAL RESOURCES**FDNY WTC TF**

Recovery Team	50 Officers & Firefighters
Suppression Team	10 Officers & Firefighters
FAST Team	7 SOC Officer & Firefighters

FDNY/EMS

17 people per day shift / 16 people per night shift

WEATHER FORECAST

Day: Mostly sunny 0% chance of precipitation, high of 53 degrees, winds SW 5 mph.

Night: Clear with 0% chance of precipitation, low of 45 degrees, winds SW 8 mph.

Outlook: Wednesday, 10% chance of precipitation, high around 58 degrees.

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.

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. Operation continues.
2. Operations continue on debris removal from the North Tower area with intermittent use of handlines to cool debris.
3. Roof debris removal @ 130 Cedar St. continues. Hand line for fire prevention/suppression support from FDNY will be necessary.
4. Installation of dewatering equipment in south projection. FDNY SOC may be required. Atmosphere ok, SOC no longer required.

PLANNED ACTIONS (Next 24 hours)

1. Steel cutting @ Bankers Trust (130 Liberty St.), from 23rd floor down to 11th floor continues starting at 0630 hrs. thru 1700 hrs. Handline fire prevention/suppression support from FDNY will be necessary on a floor-by-floor basis. This work continues.
2. Demolition of 6 WTC continues. Hand line fire prevention/suppression support from FDNY will be necessary.
3. Removal of steel remnants from S/E corner of 3 WFC. Hand line fire prevention/suppression support from FDNY will be necessary.
4. Steel cutting @ 30 West Broadway. Specialized demolition at various floors, including removing a portion of the 8th floor slab. Handline fire prevention/suppression support from FDNY will be necessary.

ANTICIPATED ACTIONS (48 - 72 hours)

1. Steel cutting continues @ Bankers Trust (130 Liberty St.), from 23rd floor down to 11th floor continues starting at 0630 hours thru 1700 hrs. Handline fire prevention/suppression support from FDNY will be necessary on a floor-by-floor basis.
2. Demolition of 5 WTC begins 0700 hours on 11/9/01. FDNY support needed for fire suppression/fire prevention.
3. Demolition of 6 WTC continues. Hand line fire prevention/suppression support from FDNY will be necessary.
4. Monday 11/12/01, vehicle removal of 20 - 30 vehicles from Barclay St. ramp (B-3 level, orange lot) under building 6. Foam line requested to standby. Any questions contact Lt. Tierney PAPD @ 917-567-2482.
5. Demolition of 4 WTC continues. FDNY support required for steel cutting.
6. PA engineers to enter 1/9 subway at 9:00am to evaluate tunnel. This will be an all day operation. SOC required. Continues from 11/12/01.
7. PA engineers to enter PATH tunnel at 12:00pm by the mezzanine & plaza level for evaluation. SOC required. Continues from 11/12/01.

FDNY IAP - NOT FOR PUBLIC DISTRIBUTION

11/13/01

SPECIAL INSTRUCTIONS

1. **No open flames or warming fires. All fires will be extinguished by the BFU.**
2. New Incident Command Post staffing hours-effective 11/10/01. See attachment.
3. FDNY Sector Chiefs will approve all searches.
4. Follow identified procedures to handle requests for retrieval of valuables from damaged structures.
5. **PPE requirements are as follows:**
 - Red Zone – Helmet, Safety Glasses & Safety Shoes.
 - Inner Zone – Helmet, Safety Glasses, Safety Shoes & Respirators.
6. 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.
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. When public safety personnel, apparatus, and/or equipment are found, please protect the area and notify the appropriate agency for appropriate documentation and removal.
9. 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.
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. Prior to any vehicles being removed/towed from buildings, FDNY Operations Chief must determine if a foam handline is needed.
12. Prior to steel cutting at @ 3 WFC (Amex) a charged handline will be stretched. In addition, a charged handline must be in position prior to any steel cutting operation.
13. The exclusion zone for Bankers Trust will be maintained & enforced during cutting operations.
14. Void entries and searches where elevated Freon readings exist (1 & 2 WTC) require O₂ monitoring prior to entry
15. All Fire Department members (all ranks) will report to the West Command Post, ready for duty no later than 0700 or 1900 hours.

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:

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. **Showers are available** at the following locations:
Church & Fulton
Trinity & Cedar
West & Albany

Cache Site (@ 10/10 Station is 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 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

DEPARTMENT OF DESIGN AND CONSTRUCTION UPDATE

ACCOMPLISHMENTS (Past 24 hours)

1. Thirty-one tiebacks installed in slurry wall south of 2 WTC (Liberty Street)/18 tensioned.
2. Removal of debris from roof of 130 Cedar Street.
3. Loading of steel & miscellaneous beams into building on north elevation 22nd floor @Bankers Trust (130 Liberty St.)

PLANNED ACTIONS (Next 24 hours)

1. Steel cutting continues @ Bankers Trust (130 Liberty St.) 11th-23rd floors.
2. Removal of steel remnants from SE corner of 3 WFC continues.
3. Demolition of 4 WTC continues.
4. Demolition of 6 WTC from NE corner continues.
5. Installation of dewatering equipment in south projection continues.
6. Installation of tiebacks and de-watering wells to continue on West Street.
7. Removal of debris, south to north, along east slurry wall adjacent to IRT tunnel continues in preparation of tiebacks.
8. South to east access road continues to be widened easterly.
9. Continued debris removal in footprints of 1 & 2 WTC.
10. Insertion planned for 0900 hrs. to remove merchandise from Swiss Bank on the 7th floor of 5WTC.
11. Demolition of 5 WTC to continues.
12. Verizon will be starting a trench on Barclay Street between Greenwich and West Streets.

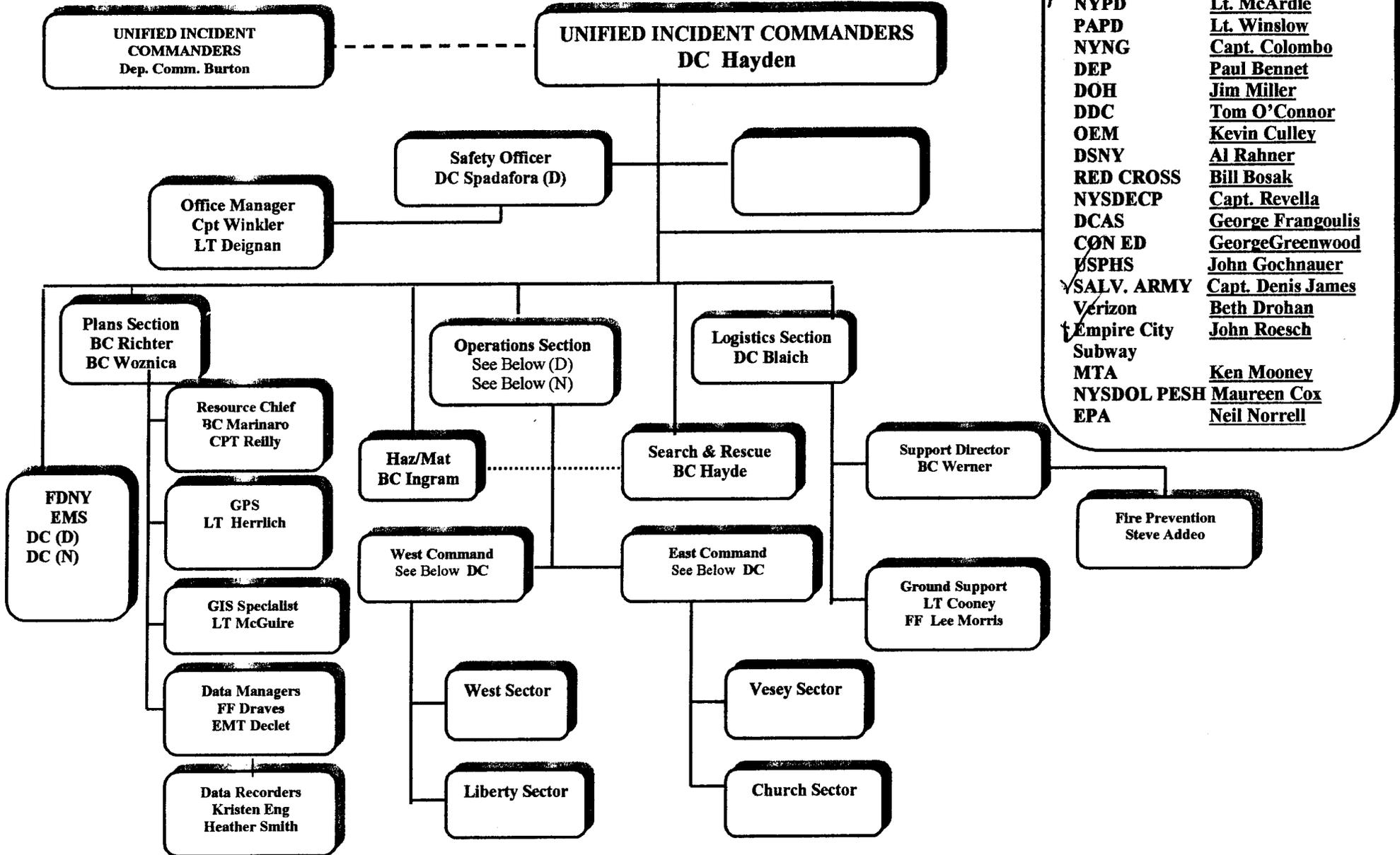
ANTICIPATED ACTIONS (48-72 hours)

1. Well points, core drilling and tiebacks continue on West Street.
2. Widening of south to east access road to plaza for future crane access continues.
3. Removal of debris on plaza and concourses.
4. Demolition of 4 WTC continues. *COMPLETE*
5. Demolition of 6 WTC from N/E corner continues.
6. Installation of dewatering equipment in south projection continues.
7. Continue removals from 1 and 2 WTC footprint.
8. Dewatering of PATH from North Projection & Refrigeration Plant from South Projection.
9. Continue steel cutting @ Bankers Trust (130 Liberty).
10. Demolition of S/E corner of 3 WFC to commence.
11. Demolition of 5 WTC to continue.
13. Bob Adams to issue memo regarding environmental issues by 11/9.
14. Bechtel & Bob Adams to draft safety protocol on ammunition by 11/12. Pending.
15. Build platform on north side of Bankers Trust.

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.

11/13/01

WTC ORGANIZATIONAL CHART

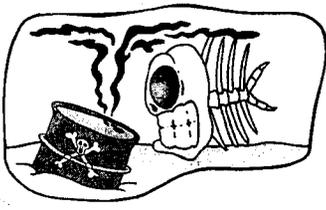


WTC Task Force	Tour 1	(D)	0700 - 1900	11/13	Operations Chief	AC Kalleta
	Tour 2	(N)	1900 - 0700	11/13 - 11/14	Operations Chief	DC - Benson

11/13/01

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	212-608-5111/5115/9393
OEM	Kevin Culley (IC Liaison)	202-297-7680
DEP	Paul Bennet or acting	917-769-1282/718-595-6777
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
NYCSO	Lt. Scali	646-756-3125
NYNG	Capt. Colombo	973-615-6219 or 212-941-5281
	Lt. Erazo	917-577-2136
DCAS	George Frangoulis	646-772-8158
CON ED	George Greenwood	212-460-2602
USPHS	John Gochnauer	347-231-4523
Salv. Army	Capt. Denis James	917-587-4068
Verizon	Beth Drohan	646-613-9247 or 917-301-8864(cell)
	Dan Lynaugh	212-965-5702/5703/5704/5705
Empire City	John Roesch	212-242-1173//1180
	Sandra DiBernardo	
MTA	Ken Mooney	718-243-4446
	John Ferrelli	718-243-3147
	Mike Fradua	718-243-4358
NYDOL PESH	Maureen Cox	518-225-6931
EPA	Neil Norrell	212-608-7097 or 732-689-0010



Safety Message

11/13/01



Major Hazards:

Crane Operations

Falling Glass & Debris

Hazardous Materials

Demolition Operations

Traffic

Lack of PPE

Biological Hazards

Walking and Working Surfaces

Cold Weather

Dust /Airborne Particles

Open Shafts

❖ *Carbon Monoxide*

- ◆ CO is a colorless, odorless, tasteless, non-irritating, toxic gas.
- ◆ CO is a natural by-product of incomplete combustion from fuels such as gasoline, wood, coal, propane, oil and methane.
- ◆ Virtually undetectable without special instruments.

❖ *Health Hazards*

- ◆ CO can kill before its presence is known.
- ◆ Provides no early warning signs & is highly toxic.
- ◆ Displaces O₂ in the bloodstream.

❖ *Symptoms of CO Poisoning*

- ◆ Low Level CO Poisoning - Can mimic flu symptoms, headache, fatigue, nausea, dizziness, confusion, irritability.
- ◆ Medium Level CO Poisoning - vomiting, drowsiness, loss of consciousness.
- ◆ High Level CO Poisoning - seizure, coma, permanent brain damage, death.

❖ *Operational Guidelines*

- ◆ Are individuals exhibiting symptoms of CO poisoning?
- ◆ A CO meter should be available
- ◆ SCBA shall be worn at all CO investigations and used at all CO Emergencies
- ◆ Members shall work in teams of at least 2 members & be radio equipped.

***AS THE RUBBLE AT THE PILE CONTINUES TO
BURN ALL VOIDS SHOULD BE SUSPECT OF HAVING
HIGH CO READINGS.***

FDNY

WTC APPARATUS LOCATIONS

TYPE	LOCATION	ACTIVITY
E 40 MP 8903	IFO 3 WFC on West St	Supplies 2 manifolds 1 IFO 6 WTC & 1 IFO 2 WTC Supplies TL 153
E 40-2 MP 8816	Corner of West & Vesey	Supplies E 40
MP 8815	Corner of Albany & Washington	Supplies 2 ½ line to slurry wall
MP 8915	On pile	Using deck gun to cool hot spots
MP 8917	West St, 150' south of Vesey	Standby/Reserve
MT 8803D	Quarters of 10/10	Standby/Reserve
MT 8705D	IFO 3 WFC	Standby/Reserve
BFU 3 9704	Quarters 10/10	Site patrol

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

11/13/01

ITEM	DESCRIPTION	ACTION BY	STATUS
1	GPS SYSTEM WILL BE USED. INSTALLATION HAS ALREADY BEGUN ON SOME TRUCKS. BOVIS TRUCKS ARE INSTALLED, INSTALLATION ON DOS AND DOT TRUCKS WILL BEGIN 11/2.	DDC	OPEN
2	NEW PERIMETER FENCE SHOULD BE COMPLETE BY THE END OF 11/9. NEW ZONE PASSES TO BE ISSUED. ACCESS POLICY HAS BEEN ISSUED. NEW POLICY WILL GO INTO AFFECT AS OF TUESDAY 8 AM. <i>INADVISABLE</i>	DDC <i>[Signature]</i>	OPEN
3	LZA - T/T HAS INSPECTED THE AMEX BUILDING. DDC MOVE DATE EXTENDED TO 11/17. SCHEDULED COMPLETION DATE IS FOR THE END OF THIS WEEK 11/9. <i>PAVING WORK</i>	AMEC	OPEN
4	LZA - T/T HAS ISSUED A LIST OF BUILDINGS REQUIRING WORK. ALL WORK TO BE COMPLETED BY 11/9.	4 PRIMES	OPEN
5	31 TIE-BACKS ARE INSTALLED. THERE IS TENSION ON 20 TIE-BACKS.	BOVIS	OPEN
6	WORK ON EAST SLURRY WALL EXPOSURE HAS BEGUN. TULLY IS WORKING THE SOUTH END AND BOVIS IS WORKING THE CENTER.	BOVIS/TULLY	OPEN
7	INSTALLATION OF DEWATERING WELLS ON LIBERTY STREET IS COMPLETED, 18 IN OPERATION. DEWATERING WELL INSTALLATION IS CONTINUING ON WEST STREET WITH 21 INSTALLED, 8 IN OPERATION. ALL WELLS THAT CAN BE DONE SHOULD BE DONE BY 11/9. B6 LEVEL DEWATERING TO START ON SOUTH WEST CORNER.	BOVIS	OPEN
8	DEBRIS REMOVAL AND SHORING OF BANKERS TRUST HAS BEGUN. EXPECTED COMPLETION 12/1. BRACING AND SHORING HAS BEGUN. WORKING W/ATLANTIC HEYDT THRU BOVIS. EPA HAS DEWATERED THE BASEMENT, ONLY MAINTENANCE IS NEEDED NOW.	BOVIS/TULLY	OPEN
9	BECHTEL AND BOB ADAMS TO DRAFT SAFETY PROTOCOL ON AMMUNITION. SHOULD HAVE DRAFT BY 11/12.	BECHTEL/DDC	OPEN
10	SAMPLES WERE TAKEN OF B6 LEVEL WATER. BOB ADAMS WORKING ON PROTOCOL TO ENTER BELOW GRADE LEVELS SAFELY. BOVIS WILL TAKE FREON ABATEMENT UNDER THEIR CONTRACT. WAITING FOR THE PROPOSAL.	DDC/BECHTEL	OPEN
11	TURNER LIGHTING PLAN WILL NOT BE IMPLEMENTED. DDC TO DEFINE NEW SCOPE BY 11/12.	TURNER	OPEN
12	SIDEWALK BRIDGE ON THE WEST SIDE OF 30 WEST BROADWAY HAS BEEN INSTALLED. SCAFFOLD, SHORING AND NETTING TO BE DONE. TURNER EXPECTS TO TURN BLDG. OVER TO CUNY BY THE END OF NOVEMBER. CUNY WILL DO ALL WINTER PROTECTION WORK. CUNY TO START DRAIN DOWN ASAP.	TURNER	OPEN

→ Excavation to the remaining plan (contingency plan)
 → #10 - Below grade cur [unclear]

13	EACH PRIME SHOULD LOOK AT THEIR TRUCKING OPERATION AND GIVE ANY RECOMMENDATIONS ON HOW TO IMPROVE THE OPERATIONS. MET WITH RICH SANTOSKY. COMPLETED - CM'S REDUCING TRUCKING. DDC TO REVIEW DOS OPERATIONS NEXT.	4 PRIMES	OPEN
14	BOB ADAMS WILL ISSUE A MEMO REGARDING ENVIRONMENTAL ISSUES BY 11/9. DDC REPORT SHOWS TWO BUILDINGS IN THE TULLY AREA REQUIRE WORK.	DDC	OPEN
15	1 & 9 ARE STAKED OUT. SHORING IS DONE. EXCEPT FOR WORK ASSOCIATED WITH THE REMOVAL OF THE SOUTH EAST CORNER OF TOWER 1. PLAN UNDER REVIEW.	TULLY	OPEN
16	CM'S TO SUBMIT COMMENTS ON EQUIPMENT REIMBURSEMENT PROCEDURES ASAP. MEETING ON EQUIPMENT REIMBURSEMENT WAS DONE. ONLY ONE ISSUE TO RESOLVE BY EARLY NEXT WEEK.	4 PRIMES	OPEN
17	CM'S TO SUBMIT A LIST OF A STAND BY CREW FOR MONDAY 11/12.	4 PRIMES	OPEN
18	VIEWING STAND WILL BE SHUT DOWN ON 11/10. THE ENTIRE SITE WILL BE SHUT DOWN FROM 12 - 3 PM ON SUNDAY 11/11, DUE TO THE VISIT OF THE PRESIDENT.	4 PRIMES	OPEN

