

SECTION 2 – AMBIENT AIR MONITORING PROGRAM PLAN AMENDMENT FORM:

DATE FORM SUBMITTED: 07/23/07

Title **Section 2 – Ambient Air Monitoring Program Plan**
130 Liberty Street Abatement & Deconstruction Project
September 7, 2005

AMENDMENT #6

This Amendment provides the current status and clarification on the locations of all air monitoring stations used for the 130 Liberty Street ambient air monitoring program. The Monitoring Station Summary (Table 1a) contained in this Amendment supercedes all prior information provided for the current locations.

Reason for Amendment:

The Amendment has been created to provide clarification to all parties on the status and current locations of all air monitoring stations.

Sections of Air Monitoring Plan Affected:

Figure 1: The locations of the current array of air monitoring stations are not accurately depicted on this figure. This figure has been updated to more accurately reflect the current locations of the monitoring stations. In addition, two new figures will be added to the Air Monitoring Plan (Figures 3 and 4) which will provide a three-dimensional view of all air monitoring stations.

Sections 2.1 (Network Design), 2.2 (Siting Criteria and Network Operations), 2.3 (Locations of Monitoring Stations), 5.4 (Mercury [Gas/Vapor]), 6.2 (Phase I – Preparation Phase) and Table 1 (Locations of Monitoring Stations), Table 3 (Phase I – Minimum Air Sample Phase-In Schedule), Table 4 (Phase I: Preparation Phase & Asbestos and COPC Abatement and Removal Sampling and Analysis Summary), and Table 5 (Phase II – Structural Deconstruction Phase Sampling and Analysis Summary):

The reference to the ground/street level stations has been changed to sidewalk bridge level for Stations 1, 2, and 10.

Table 1a: This table (Monitoring Station Summary) has been added to the Air Monitoring Plan to provide further clarification on all sample locations.

Date Implemented: June 2007

**Table 1. Locations of Monitoring Stations – 130 Liberty St.
Deconstruction Air Monitoring Network
Updated: June 2007 (AMP Amendment #6)**

Location #	Description
1	Southwest of building (Washington St./Albany St.) at sidewalk bridge level.
2	Southeast of building (Albany St./Greenwich St.) at sidewalk bridge level.
3 (*)	North-northeast of building (Liberty St./Greenwich St.) at ground level.
4	Northwest of building (Washington St./Cedar St.) at ground level.
5	Off-site roof top location (124 Liberty Street – FDNY 10-10 House).
6 (+)	On-site roof top location (Southwest Area).
7 (+)	On-site roof top location (Southeast Area).
8 (+)	On-site roof top location (Northeast Area).
9 (+)	On-site roof top location (Northwest Area).
10	North side at sidewalk bridge level.
11	Off-site roof top location (90 Trinity Place – School).
12	Off-site roof top location (110 Greenwich Street)
13	Off-site roof top location (85 West Street – Marriott Hotel – 38 th Floor).
14	West face – south end at corner, scaffolding level.
15	South face – east end at corner, scaffolding level
16	East face – north end at corner, scaffolding level.
17	North face – west end at corner, scaffolding level.
(*) – In use from 9/14/05 through 9/16/05	
(+) – In use from 9/14/05 through 9/28/05 and 7/6/06 through 9/21/06	

**Table 1a (AMP Amendment #6)
Monitoring Station Summary, 130 Liberty Street Deconstruction as of June 2007**

Station	Location Description in Plan	Location Description in QAPP		Actual Location	Actual Level	Start-up Date
		Site Location	Direction From 130 Liberty			
Ambient Air Monitoring Stations						
Station 1	Southwest of building (Washington St./Albany St.) at ground level	Ground Level - Washington Street/Albany Street	Southwest Corner	Southwest Area	Sidewalk Bridge	9/14/2005
Station 2	Southeast of building (Albany St./Greenwich St.) at ground level	Ground Level - Albany Street/Greenwich Street	Southeast Corner	Southeast Area	Sidewalk Bridge	9/14/2005
Station 4	Northwest of building (Washington St./Cedar St.) at ground level	Ground Level - Washington Street/Cedar Street	Northwest Corner	Northwest Area	Street	9/14/2005
Station 5	Off-site roof top location (124 Liberty Street - FDNY 10-10 House)	Roof Top Off Site - 124 Liberty Street/FDNY 10-10 House	Northeast	Firehouse #10	Roof	9/14/2005
Station 10	Not suggested in Plan - Replaced Station 3	Not suggested in QAPP - Replaced Station 3		North Side	Sidewalk Bridge	9/19/2005
Station 11	Off-site roof top location (90 Trinity Place – School)	Roof Top Off Site - 90 Trinity Place - School	Southeast	90 Trinity Place	Roof	10/5/2005
Station 12	Off-site roof top location (110 Greenwich Street)	Roof Top Off Site - 110 Greenwich Street	South	110 Greenwich Street	Roof	10/6/2005
Station 13	Off-site roof top location (85 West Street – Marriott Hotel)	Roof Top Off Site - 85 West Street - Marriott Hotel	Southwest	Marriott Hotel 38th Floor	Roof	10/5/2005
Station 14	Each side at elevation on scaffolding (Phase I and II only)	Scaffolding at Building; Floating Elevation	Southwest Corner	West Face - South end at corner	Scaffolding	In effect on 10th floor as of 11/19/05; in effect on 20th floor as of 12/11/05; in effect on 30th floor on 1/10/07; in effect on 20th floor on 3/11/07 with exception of silica which remained on 30th floor until 6/14/07; silica in effect on 29th floor on 6/15/07; in effect on 15th floor on 6/25/07 which exception of silica which remained on 29th floor (**)
Station 15	Each side at elevation on scaffolding (Phase I and II only)	Scaffolding at Building; Floating Elevation	Southeast Corner	South Face - East end at corner	Scaffolding	
Station 16	Each side at elevation on scaffolding (Phase I and II only)	Scaffolding at Building; Floating Elevation	Northeast Corner	East Face - North end at corner	Scaffolding	
Station 17	Each side at elevation on scaffolding (Phase I and II only)	Scaffolding at Building; Floating Elevation	Northwest Corner	North Face - West end at corner	Scaffolding	
Roof Station	Roof top of 130 Liberty Street until onset of deconstruction, at which point the station will be collocated with one of the off site rooftop air monitoring stations	Roof top of 130 Liberty Street until onset of deconstruction, at which point the station will be collocated with one of the off site rooftop air monitoring stations		Building Roof	Roof	
Ground Station	Not Suggested in Plan	Not Suggested in QAPP		Liberty Street	Sidewalk Bridge	11/2/2005

Notes:

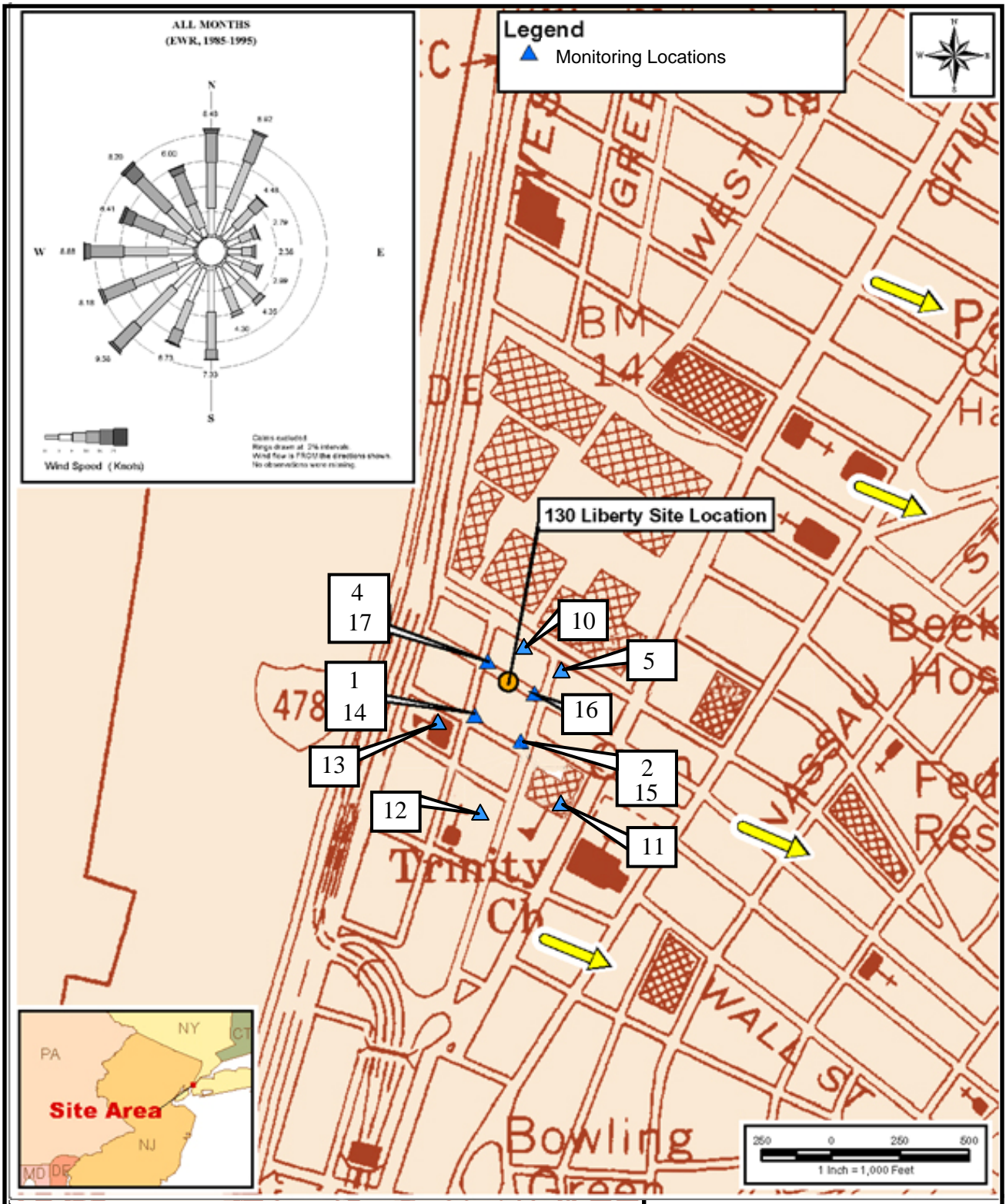
There was a minor move of the Meteorological Ground Level Station on 4/24/2007 due to construction logistics; however, the location description remains the same.

Stations 3, 6, 7, 8, and 9 are no longer in service.

** As per the Ambient Air Monitoring Plan Amendment #5, the location of the silica monitors will move with deconstruction.

Plan - Ambient Air Monitoring Plan, Section 2 of the Deconstruction Plan submitted September 7, 2005

QAPP - Ambient Air Monitoring Quality Assurance Project Plan



LEGEND:  AVERAGE WIND DIRECTION

SOURCE: USGS 7.5 Minute Series (Topographic) Quadrangles: Jersey City, NJ-NY
Wind Roses for Newark International Airport, 1985-1995

PROJECT: 130 LIBERTY STREET
DECONSTRUCTION PROJECT

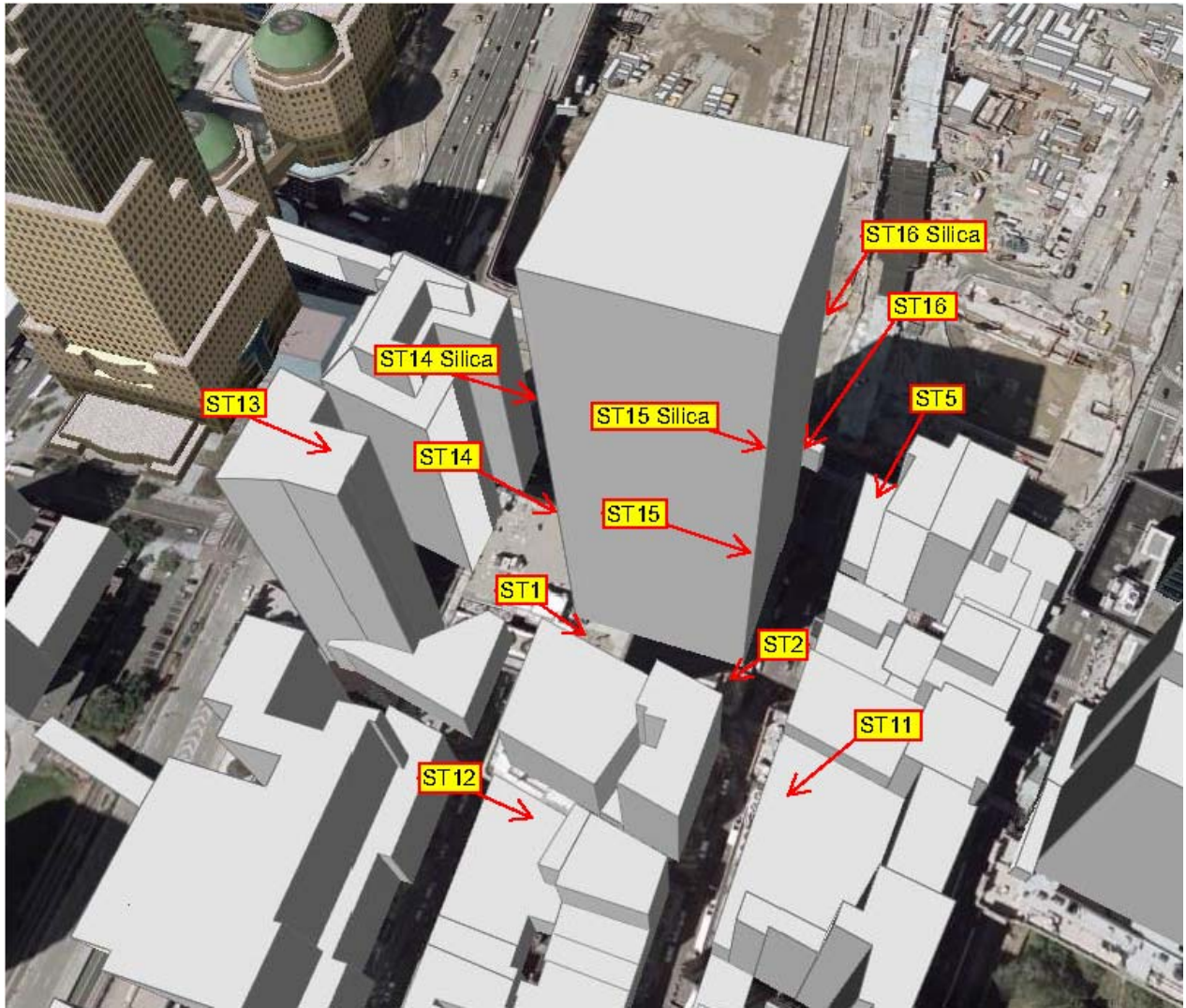
**Site Location Map for
Ambient Air Monitoring Locations
130 Liberty Street
New York, New York**
Updated June 2007: AMP Amendment #6

 Wannalancit Mills
650 Suffolk Street
Lowell, Ma. 01854
(978) 970-5600

DRAWN: MAN SCALE: AS SHOWN
CHECKED: GH Date 6/26/07

**FIGURE
1**

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3-Dimensional View of Air Monitoring Stations from The South



Wannalancit Mills
650 Suffolk Street
Lowell, Ma. 01854
(978) 970-5600

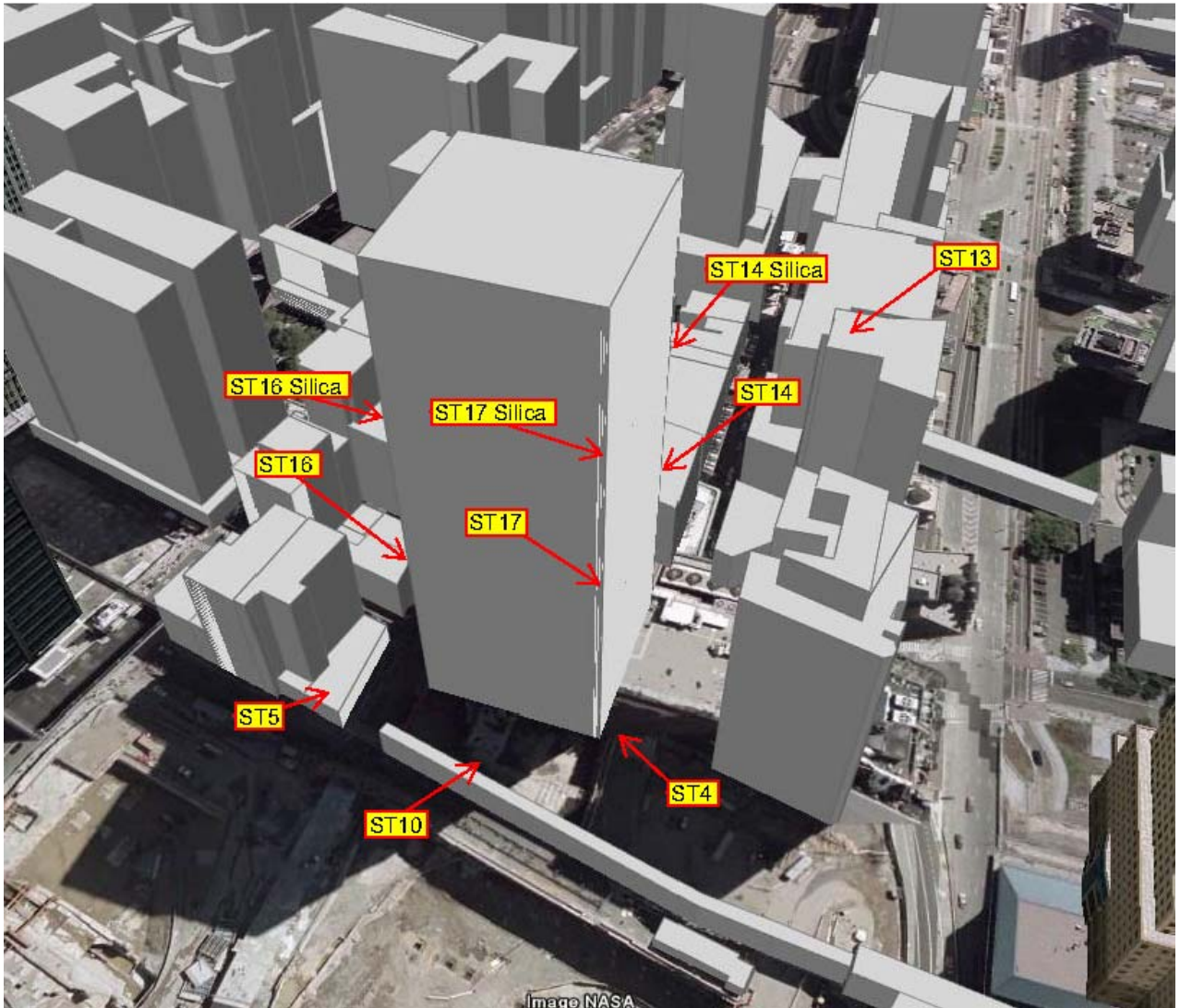
FIGURE 3

DRAWN: MAN

SCALE: AS SHOWN

CHECKED: GH

Date 6/26/07



3-Dimensional View of Air Monitoring Stations from The North



Wannalancit Mills
650 Suffolk Street
Lowell, Ma. 01854
(978) 970-5600

**FIGURE
4**

DRAWN: MAN

SCALE: AS SHOWN

CHECKED: GH

Date 6/26/07

Denly, Elizabeth (Lowell,MA-US)

From: Keveney.Emmett@epamail.epa.gov
Sent: Wednesday, July 18, 2007 4:19 PM
To: Denly, Elizabeth (Lowell,MA-US)
Cc: Kolenberg.Beverly@epamail.epa.gov; Porembski, Brian (Lowell,MA-US); carstienl@dep.nyc.gov; christopher.alonge@labor.state.ny.us; Gerdtz, Edward (NYC,NY-US); Hunt, Gary (Lowell,MA-US); Guido, Jennifer (NYC,NY-US); Kaznosky, James (NYC,NY-US); Fradkin.Kenneth@epamail.epa.gov; krishr@dep.nyc.gov; Maddaloni.Mark@epamail.epa.gov; maxl@buildings.nyc.gov; mendelson.richard@dol.gov; mgilsenan@dep.nyc.gov; Gollands, Mark (Lowell,MA-US); Lihzis, Melita (Lowell,MA-US); Evangelista.Pat@epamail.epa.gov; richardr@buildings.nyc.gov; Fitzpatrick.Robert@epamail.epa.gov; roberti@buildings.nyc.gov; sjcarlom@gw.dec.state.ny.us; tkunkel@lmccc.nyc.gov; Dimas.Melissa@epamail.epa.gov
Subject: 130 Liberty Street: AMP Amendment #6 and QAPP Amendment #7 - Station Locations for Air Monitoring Program

Attachments: AMP Amendment #6.pdf; QAPP Amendment #7.pdf; FIGURE 6-1.ppt



AMP Amendment #6.pdf (1 MB) QAPP Amendment #7.pdf (1 MB) FIGURE 6-1.ppt (136 KB)

This is to inform you that the U.S. Environmental Protection Agency (EPA) has completed its review of the July 5, 2007 Amendment No. 6 to Section 2 - Ambient Air Monitoring Plan and the July 5, 2007 Amendment No. 7 to the Quality Assurance Project Plan (QAPP) of the 130 Liberty Street Deconstruction Plan and the July 6, 2007 revised Figure 6-1 to QAPP Amendment No. 7. EPA accepts the July 5, 2007 Amendment No. 6 to Section 2 - Ambient Air Monitoring Plan. EPA also accepts the July 5, 2007 Amendment No. 7 to the QAPP and the July 6, 2007 revised Figure 6-1 which supersedes Figure 6-1 specified in the July 5, 2007 QAPP Amendment No. 7 submitted electronically in a pdf format.

EPA and the other regulatory agencies will monitor the deconstruction work as it progresses, and we will continue our ongoing consultation with you throughout the execution of the project. Please post the amendment onto the LMDC web site based on the acceptance of these amendments electronically. Thank you.

(See attached file: AMP Amendment #6.pdf)(See attached file: QAPP Amendment #7.pdf)(See attached file: FIGURE 6-1.ppt)