

## SECTION 2 – AMBIENT AIR MONITORING PROGRAM PLAN AMENDMENT FORM: ISSUE 10

DATE FORM SUBMITTED: 01/07/10

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

### AMENDMENT #10

This Amendment addresses the relocation of air monitoring equipment for one of the on-site sampling locations. TRC has been requested by the building owner to remove the air monitoring equipment from the north side Liberty Street Sidewalk Bridge (Station #10 and #100). The Station #10/#100 complex includes program collocated samplers, PM10 FRM samplers as well as the ground level meteorological station. All of this equipment needs to be moved to a new location. The most appropriate relocation area for this equipment is in the northeast area on the Greenwich Street Sidewalk Bridge just off the northeast corner of the building.

Attached to this Amendment is a photograph and three-dimensional diagram (Figure 4) depicting the current and proposed locations. The new location will be identified as Station # 20/200.

#### Reason for Amendment:

TRC has been requested by the building owner to remove the air monitoring equipment from the north side at the level of the Liberty Street Sidewalk Bridge (Station #10 and #100) as this bridge is being removed within the next two months.

#### Sections of Air Monitoring Plan Affected:

Section 2.0, Figure 1 (Site Location Map and Proposed Ambient Air Monitoring Locations): This figure will change due to the relocation of Station #10 and #100, which was initially Station #3 on this figure. A revised Figure 1 is attached to this Amendment.

Section 2.3, Locations of Monitoring Stations: This section will be revised to include the new locations (20/200) for Station #10 and #100.

Amendment #6, Table 1 (attached to this Amendment): The table has been updated to include the new Station #20 located on the sidewalk bridge level at Greenwich Street. Footnotes have also been added for Stations 10, 14, 15, 16, and 17 showing the dates of operation.

Amendment #6, Table 1a (attached to this Amendment): The table has been updated to account for the new Station #20. The actual location of the ground level meteorological station has also been modified as it is moving to the Greenwich Street sidewalk bridge.

Amendment #6, Figure 4 (attached to this Amendment): This figure has been updated to remove Station #10 and show Station #20 located at the Greenwich Street sidewalk bridge.

**Date Implemented:** January 2010

**Table 1. Locations of Monitoring Stations – 130 Liberty St.  
Deconstruction Air Monitoring Network  
Updated: January 2010 (AMP Amendment #10)**

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 <sup>1</sup>	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 <sup>2</sup>	On-site roof top location (Southwest Area).
7 <sup>2</sup>	On-site roof top location (Southeast Area).
8 <sup>2</sup>	On-site roof top location (Northeast Area).
9 <sup>2</sup>	On-site roof top location (Northwest Area).
10 <sup>3</sup>	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 <sup>th</sup> Floor).
14 <sup>4</sup>	West face – south end at corner, scaffolding level.
15 <sup>4</sup>	South face – east end at corner, scaffolding level
16 <sup>4</sup>	East face – north end at corner, scaffolding level.
17 <sup>4</sup>	North face – west end at corner, scaffolding level.
20	Northeast of building (Cedar St./Greenwich St.) at sidewalk bridge level
<p>1 – In use from 9/14/05 through 9/16/05</p> <p>2 – In use from 9/14/05 through 9/28/05 and 7/6/06 through 9/21/06</p> <p>3 – In use from 9/16/05 through 01/04/10</p> <p>4 – In use from 9/14/05 through 5/30/09</p>	

**Table 1a (AMP Amendment #10)  
Monitoring Station Summary, 130 Liberty Street Deconstruction as of January 2010**

Station	Location Description in Plan	Location Description in QAPP		Actual Location	Actual Level	Start-up Date
		Site Location	Direction From 130 Liberty			
<b>Ambient Air Monitoring Stations</b>						
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 through 5/30/09 with the exception of silica which floated between the 29th and 22nd 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	
Station 20	Not suggested in Plan - Replaced Station 10	Not suggested in QAPP - Replaced Station 10	Northeast Corner	Northeast Area	Sidewalk Bridge	1/4/2010
<b>Meteorological Monitoring Stations</b>						
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	In effect as of 9/14/05. Moved to the Marriott Hotel roof on 2/27/07.
Ground Station	Not Suggested in Plan	Not Suggested in QAPP		North Side	Sidewalk Bridge	11/2/2005 - station relocated 1/4/2010
Ground Station	Not Suggested in Plan	Not Suggested in QAPP		Northeast Area	Sidewalk Bridge	1/4/2010

**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, 9, 14, 15, 16, and 17 are no longer in service. Station 10 is out of service as of 1/4/10 when Station 20 commenced.

\*\* 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