



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2

290 BROADWAY

NEW YORK, NEW YORK 10007-1866

October 27, 2010

Mr. Edward A. Gerdtz
Managing Principal
TRC Environmental Corporation
1430 Broadway – 10th Floor
New York, New York 10018

Re: October 22, 2010 Proposed Amendment #16 – Ambient Air Monitoring Program Plan and
October 22, 2010 Proposed Amendment #16 - Quality Assurance Project Plan (QAPP) for the
Ambient Air Monitoring Program for the 130 Liberty Street Abatement and Deconstruction
Project, September 7, 2005, 130 Liberty Street, New York, N.Y.

Dear Mr. Gerdtz:

This is to inform you that the U.S. Environmental Protection Agency (EPA) has completed its review of the October 22, 2010 Proposed Amendment #16 to the September 7, 2005 Section 2 – Ambient Air Monitoring Program Plan of the 130 Liberty Street Abatement and Deconstruction Project and the October 22, 2010 Proposed Amendment #16 to the September 7, 2005 Quality Assurance Project Plan (QAPP) for the Ambient Air Monitoring Program of the 130 Liberty Street Abatement and Deconstruction Project submitted by TRC Environmental Corporation (TRC) on behalf of the Lower Manhattan Development Corporation for 130 Liberty Street in lower Manhattan.

Based on our review, and in consultation with the New York State Department of Labor (NYSDOL) and the New York City Department of Environmental Protection (NYCDEP), EPA accepts the above-referenced proposed amendments.

EPA's acceptance is not intended as a review and/or acceptance of structural engineering and safety matters or requirements for the protection of worker safety and health or for fire protection and safety at 130 Liberty Street. EPA is relying on the New York City Department of Building's, the U.S. Department of Labor Occupational Safety and Health Administration's and the New York City Fire Department's expertise in these areas, respectively.

EPA will continue to work with our regulatory partners to monitor the 130 Liberty Street activities throughout the execution of the project.

Sincerely,

A handwritten signature in black ink, appearing to read "P. Evangelista". The signature is fluid and cursive, with a large initial "P" and a long, sweeping tail.

Pat Evangelista
Director, Office of Strategic Programs

cc: Richard Mendelson, OSHA
Christopher Alonge, NYSDOL
Krish Radhakrishnan, NYCDEP
Christopher Santulli, NYCDOB
Thomas Kunkel, LMCCC
Michael Weinlein, FDNY
Suzanne Mattei, NYSDEC

QAPP AMENDMENT FORM: Amendment # 16

DATE FORM SUBMITTED: 10/22/10

QAPP Title **Quality Assurance Project Plan for the Ambient Air Monitoring Program**
130 Liberty Street Deconstruction Project
September 7, 2005

AMENDMENT #16

In the event that the USEPA Site Specific Trigger Level for silica has been exceeded at an air monitoring station, the following procedure will occur.

- TRC will perform validation of the data immediately upon receipt of the data from the laboratory.
- Following validation, TRC will notify the USEPA of the exceedance via telephone and e-mail.
- Within two (2) hours of the notification, TRC will assess the exceedance to determine the contributory factors and identify any corrective action(s) that may be necessary. The corrective action(s) will be put into place immediately after the assessment is complete. As part of the assessment, TRC will prepare a Silica Exceedance Assessment checklist (attached to this Amendment) summarizing the results of the assessment and the corrective action(s). This checklist will include both activities occurring on the day of exceedance and on the day of notification.
- Also within two (2) hours of the notification, the checklist will be distributed to the USEPA with a request for a conference call to review the results of the assessment, including any corrective actions that TRC determined to be necessary, for USEPA's acceptance of the actions taken by TRC.
- Within 24-hours of the conference call, a follow-up detailed Exceedance Report will be issued to all regulators.

If TRC determines that work activities at 130 Liberty Street are a significant contributory factor to the exceedance, TRC will then determine what corrective actions are necessary, if any, and will also determine if any work stoppage is necessary to implement those corrective actions. It should be noted that only silica-generating work activities that TRC determines are associated with the exceedance will stop. For example if TRC determines concrete breaking/crushing/handling activities are associated with the silica exceedance, then these activities will stop. Other work such as steel cutting operations, which TRC determines are not associated with the silica exceedance, will continue. After corrective action is in place to TRC's satisfaction, any work activities that were stopped will resume.

If TRC determines that work activities at 130 Liberty are an insignificant contributory factor to the exceedance, these activities will not necessarily be stopped but TRC will evaluate these activities to make sure the necessary controls are in place and dust emissions are being kept to a minimum. Controls may be enhanced as a result of the exceedance.

QAPP AMENDMENT FORM: Amendment # 16

Reason for Amendment:

Based on TRC's experience to date on this project with identifying contributory factors of exceedances and the associated corrective actions, this revised procedure for the assessment of silica exceedances is a prudent course of action to expedite response times and to minimize unnecessary work stoppages and/or the time frame of work stoppages.

Sections of QAPP Affected:

This Amendment supersedes Amendment 3 and Amendment 6 of the Quality Assurance Project Plan of the September 7, 2005 Final Approval Deconstruction Plan.

Section 6.3.3.2, Actions Based on Exceedances: This section is modified to conform with the above discussion.

Amendment 7, Figure 6-1: This figure has been updated to include the revised timeline and process discussed in this Amendment.

Date Implemented: October 2010

QAPP AMENDMENT FORM: Amendment # 16

Silica Exceedance Assessment Checklist 130 Liberty Street Deconstruction Project

Date of Checklist Completion/Exceedance Notification: _____

Exceedance Description:

Date of Exceedance¹:

¹USEPA Site-specific Trigger Level and Target Air Quality Level = 10 µg/m³

Station(s): _____ Silica/Concentration: _____

Windrose Data:

Roof: Y ____ N ____

Predominant Wind Direction (from): _____

Ground Level: Y ____ N ____

Predominant Wind Direction (from): _____

Visible Emissions: 130 Liberty Street: Y ____ N ____

Description: _____

Visible Emissions: Off Site: Y ____ N ____

Description: _____

Off Site Work Activities with Potential to Contribute to Silica Containing Fugitive Dusts:

Activities occurring on the day of the exceedance: _____

Activities occurring on the day of the notification: _____

Onsite Work Activities:

Activities occurring on the day of the exceedance: _____

Activities occurring on the day of the notification: _____

Photographs: Y ____ N ____

Elevated PM10 Concentrations²: Y ____ N ____

²Defined as one or more 10-minute averages $\geq 150 \mu\text{g}/\text{m}^3$

Description: _____

Onsite Engineering Controls to Minimize Visible Emissions:

Engineering controls in place on the day of the exceedance: _____

Engineering controls in place on the day of the notification: _____

Corrective Actions: Y ____ N ____

Status of Implementation: _____

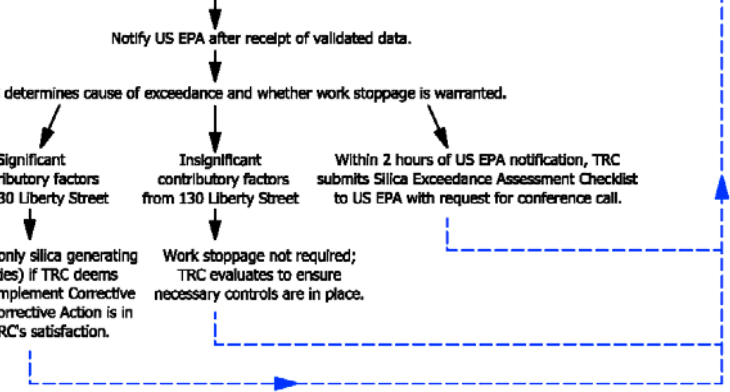
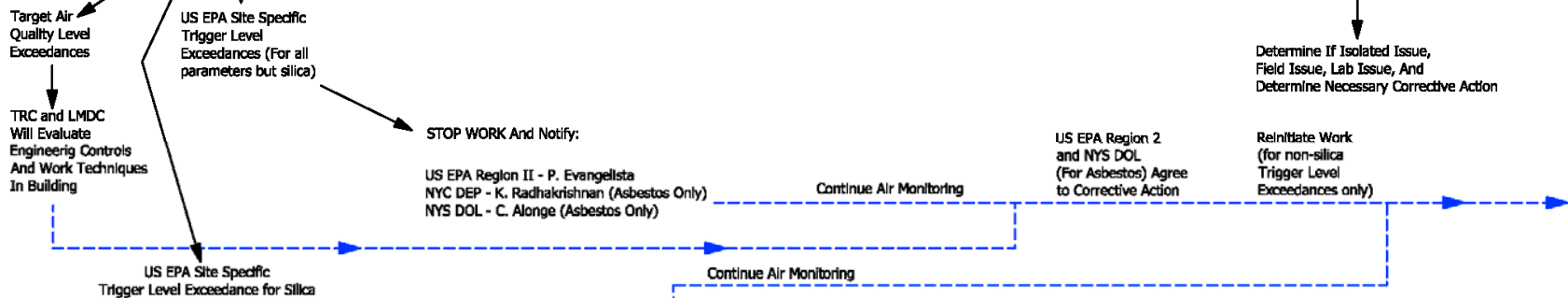
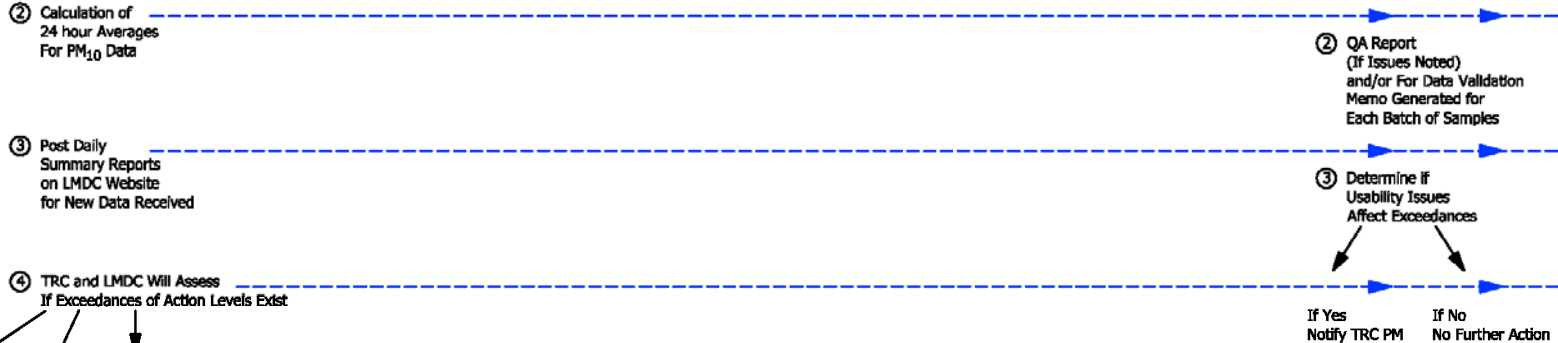
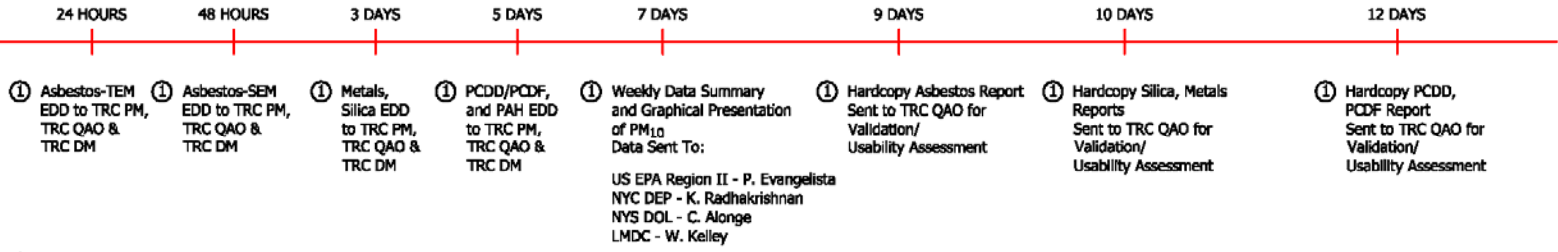
QAPP AMENDMENT FORM: Amendment # 16

Work Stoppage: Y____ N ____

Description: _____

EXCEEDANCE ASSESSMENT SUMMARY:

Samples Received at Lab (24 Hours After Collected) *



*	Samples Shipped Monday-Friday	QAO	Quality Assurance Officer
→	On-Going Activity	DM	Data Manager
PM	Program Manager	EDD	Electronic Data Deliverable

FIGURE 6-1
(Updated October 2010:QAPP Amendment #16)
PROJECT TIMELINE
LOWER MANHATTAN
DEVELOPMENT CORPORATION
130 LIBERTY STREET
NEW YORK, NEW YORK

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

TRC PROJ. NO.: 109876-000095

**AMBIENT AIR
MONITORING PROGRAM**

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