Ambient Air Monitoring Program: 130 Liberty Street Deconstruction



Purpose

The purpose of the Ambient Air Monitoring
Program is to monitor air quality immediately
surrounding 130 Liberty Street during
deconstruction of the building on that property.
The objectives of the Program are to ensure the
deconstruction does not adversely impact local
air quality by:

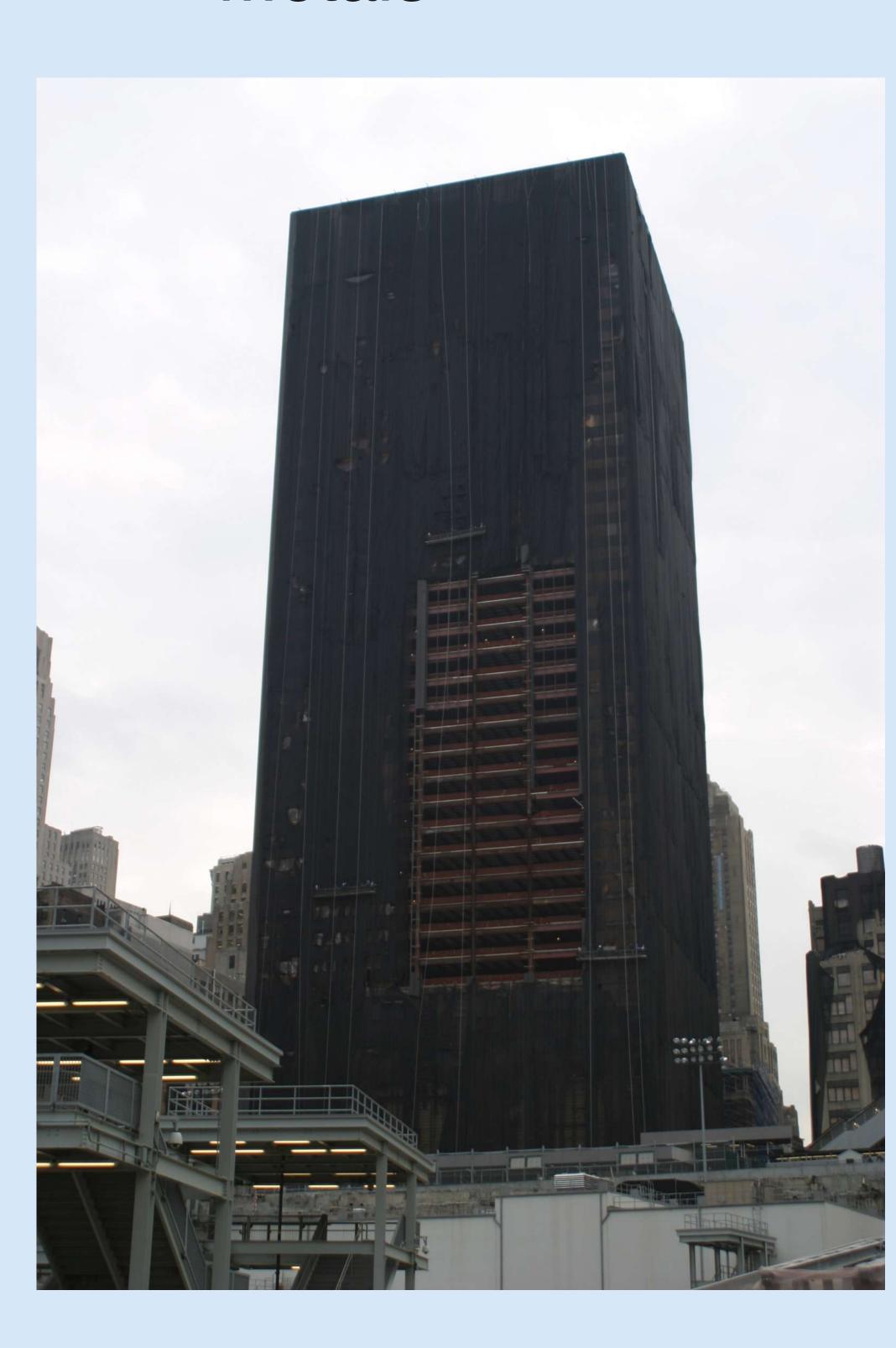
- Monitoring concentrations of particulate matter (PM₁₀) on a real-time basis, 24 hours a day, seven days a week;
- Collecting particulate matter on a timeweighted basis to monitor compounds associated with World Trade Center (WTC) dust;
- Comparing concentrations of each compound to target and trigger levels; and
- Stopping work and notifying agencies and the public if the event sampling results exceed predetermined action levels.



Parameters To Be Tested

Air sampling and analysis will include:

- PM₁₀ Respirable Particulate
- Asbestos
- Crystalline Silica
- Dioxins/Furans
- Polycyclic aromatic hydrocarbons (PAHs)
- Polychlorinated biphenyls (PCBs)
- Metals



Meteorological monitoring at the site will collect data on wind speed, wind direction, barometric pressure, ambient temperatures, and rainfall.

Monitoring results are posted on the LMDC Web site at www.renewnyc.com/130Liberty.

Levels of Monitoring

Air monitoring is being conducted to determine whether ambient concentrations of airborne metals, asbestos, or particulates exceed specified criteria. The Ambient Air Monitoring Program consists of three levels:

Level 1

Air monitoring of personnel involved with deconstruction activities as required by OSHA.

Level 2

Area air monitoring in accordance with asbestos abatement rules in Industrial Code Rule 56. Area air monitoring will be performed inside the building and directly outside of active work areas.

Level 3

Exterior ambient air monitoring immediately surrounding the building within site boundaries and at specific elevated locations across the street from the site.