

ASBESTOS PROJECT MONITOR AND AIR SAMPLING CONTRACT

A. Introduction

All work performed under this contract must be in compliance with all applicable, relevant, and appropriate regulations and Scope of Work, including but not limited to those of the United States Environmental Protection Agency (USEPA), the United States Department of Labor, Occupational Safety and Health Administration (OSHA), the New York State Department of Labor (NYSDOL), the New York State Department of Health Environmental Laboratory Approval Program (ELAP) and the New York City Department of Environmental Protection (NYCDEP). This project shall involve coordinating and monitoring the clean up of debris and air sampling from building apartments in the vicinity of the World Trade Center explosion site.

B. Qualifications

Project Monitors

The Project Monitors must possess valid NYS Asbestos Project Monitor certificates. Monitors must have served as a third party project monitor on at least 20 asbestos abatement projects. Project Monitor must have performed final clearance inspections on at least 50 asbestos abatement projects.

Technicians

Air monitoring technicians must possess valid NYS Asbestos Project Sampling Technician (APST) certificates. Technicians must have performed air sampling for at least 6 months.

Proof of qualifications must be presented upon request.

Equipment

Sampling equipment must be in sufficient quantity to provide the amount and type of samples required for this project. At a minimum the following equipment are required: air-sampling pumps with flow rate capacities of 2 to 10 liters per minute, tripods, rotometers, sample cassettes with mixed cellulose ester filters having pore size of 0.45um(TEM).

C. Specifications

Clean up activities shall be scheduled for 20 to 30 units per day. Air sampling shall also be provided at 10 to 20 units where clean up activities are not scheduled. Sufficient personnel shall be available for project monitoring and sampling.

The Project Monitor shall direct and coordinate all services and report all findings to USEPA. The scope of this project will be as follows:

1. The Project Monitors shall be responsible for receiving information from the EPA Hotline, scheduling cleaning-up activities and air sampling with the **tenants/owners, asbestos abatement contractors and air monitoring technicians** to the various apartments.

2. Air monitoring technicians must be on-site during clean-up activities to collect final clearance samples.
3. The Project Monitor shall ensure that the clean up activities comply with the NYCDEP Scope of Work.

Post Clean-up Air Sampling Procedure must be as followed:

- a) Sampling shall not begin until a visual inspection confirms the absence of visible debris.
 - b) All surfaces must be completely dry prior to the start of sampling.
 - c) Sampling equipment shall be placed at representative locations within the work area and away from obstructions. **The sampling cassette must be placed on a tripod and not taped to existing surfaces.**
 - d) Air conditioning units where applicable shall be run/operated at least 15 minutes prior to the start of sampling. The air conditioning units shall operate continuously throughout the sampling. HVAC systems shall be in operation during sampling.
 - e) Forced air equipment (e.g. leaf blowers) may be used only after written authorization by the occupant or his/her authorized representative. The project manager shall advise the occupant or his/her authorized representative on the advantages and disadvantages regarding the use of the equipment and obtain the individual's signature authorizing use. Before the start of sampling, forced air equipment (such as a 1 horsepower leaf blower) may be used to direct exhaust air against walls, ceilings, floor, ledges and other surfaces. When directing the exhaust, caution shall be taken to minimize disturbance and potential damage to furnishings and personal belongings.
 - f) One 20-inch fan shall be installed per 10,000 cubic feet of room space and run at low speed. The fan shall operate continuously throughout sampling and shall not be turned off until sampling is completed.
 - g) For studio apartments 3 samples shall be collected. For 1-bedroom apartments and above 5 samples shall be collected. Technicians shall collect a volume of 3000 liters per sample using a flow rate of 10 liters per minute.
 - h) Samples must be labeled and accompanied with completed chain of custody forms before shipping to the designated laboratory.
 - i) Project Monitor shall perform all final visual inspections.
 - j) All information must be maintained on a data based software program that is acceptable to the USEPA.
4. Project reports, including a project completion sign-off signed by the project monitor and the occupant or his/her authorized representative, must be typed and forwarded to USEPA with a copy to NYCDEP.