



**Department of
Environmental
Protection**

59-17 Junction Boulevard
Corona, New York
11368-5107

**Joel A. Miele Sr., P.E.
Commissioner**

**Robert C. Avaltroni
Deputy Commissioner**

**Bureau of
Environmental Compliance**
Tel (718) 595-4418
Fax (718) 595-4422

To: Commissioner Joel A. Miele Sr., P.E.

From: Robert C. Avaltroni *RC*

Date: September 13, 2001

Subject: Air Monitoring Scheme

Attached please find our proposed air sampling plan. We intend to meet with the air monitoring contractor and go through the plan specifics to ensure we reach our objectives. As indicated, the sampling will commence on September 14, 2001 and continue until a decision is made to discontinue. We will continue to work closely with EPA to conduct necessary air monitoring near the hot zone.

c: D. Chapin
C. Sturcken
M. Gilsenan



www.nyc.gov/dep

(718) DEP-HELP

I. Business Assistance for Re-occupying Buildings

1) Protocol to follow

- a) Call DEP Help 8 a.m. - 8 p.m.
- b) DEP Help refers to Asbestos program
- c) Asbestos program expedites approvals
- d) Handouts to industry (see attached)

2) Asbestos Inspectors setting up at 40 Worth Street

- a) Working with DCAS to clean building and gain entrance
- b) Lefrak will disseminate information to inspectors
- c) Inspectors to clear private building
- d) Contacting DCAS to coordinate clearing city building (DCAS should do)
- e) Protocol for clearance being developed
HazMat and US EPA to okay

- 3) - Out of City asbestos contractors offering assistance need to be certified.
- Asbestos looking at ways to accommodate these requests.

II. Air Monitoring Plan

- 1) See attached
- 2) Gerry Kelpin and Harold Nudelman meeting today at 2:00 p.m. with EPA, CDC, NYSDEC, NYSDOH and NYCDOH to share monitoring plan. In addition, Air Policy to receive air monitoring data that these agencies have.
- 3) Will try to build database with information (maybe use outside help)

III. HazMat operations mandated to brief Deputy Commissioner/Assistant Commissioner every two hours or as events transpire (until conditions stabilize)



**ENVIRONMENTAL
PRODUCTS AND
APPLICATIONS INC.**
Consulting/Planning/Applications

ENVIROTAC II™ ACRYLIC POLYMER

10722 Arrow Rte., Ste. 116
Rancho Cucamonga, CA 91730
Ph: (909) 980-1422 • FAX: (909) 941-9488
MOBILE: (760) 774-8378
E-MAIL: DustControlMan@aol.com



SSPCo

Soil Stabilization Products Company, Inc.

PO Box 2779 Merced, CA. 95344
(209) 383-3296 (800) 523-9992
FAX (209) 383-7849
staff@sspco.com

**Emergency Dust Abatement
PLEASE READ**

To the City of New York

We here at Environmental Products and Applications and Soil Stabilization Products Company, Inc., wish to express our sincerest condolences to the people of the City of New York. We truly lament the tragedy that occurred in your great city and we are moved by the ongoing relief and cleanup effort by courageous city workers and volunteers. We too would like to volunteer our services to the people of New York.

Environmental Products and Applications and Soil Stabilization Products Company, Inc. are leaders in the dust control industry. With our product, Envirotac II, we have been extremely successful at eliminating fugitive dust and containing contaminated soils. Envirotac II is an environmentally safe liquid acrylic polymer that can be applied by any equipment that sprays water. It can be diluted and mixed with either fresh or salt water for application. When applied, Envirotac II will bond soil particles together denying air borne contaminants from entering the atmosphere, greatly reduce odors escaping from soils and debris, and prevent rain water from relocating soils. Our product will be an effective solution to restoring air quality and preventing contaminated soils and particulate debris from leaching into streets and drainage systems.

We are willing to donate our product and our expertise to help aid New York City in this crisis situation. We have 30,000 gallons, or more if needed, of Envirotac II product (available approximately 100 miles from New York City) and can ship on an immediate basis at no charge. We have technical staff available for support by telephone, or on site if transportation can be arranged. Please contact Glen Gates or Joe Phillip at Soil Stabilization Products Company, Inc. (209) 383-3296 or (800) 523-9992 to make delivery arrangements.

Sincerely,

John Vermillion
Environmental Products and Applications Inc.

Robert B. Randolph
Soil Stabilization Products Company, Inc.

**ENVIRONMENTAL
PRODUCTS AND
APPLICATIONS INC.**
Consulting/Planning/Applications



**Soil
Stabilization
Products
Company, Inc.**

P.O. Box 2779 Merced, CA 95344 Fax (209) 383-7848
(800) 523-9992 (209) 383-3296

Dust Control Main Functions of Envirotac II

- 1) Eliminating fugitive dust from escaping into the atmosphere.
- 2) Containing soil contaminants for escaping into the atmosphere.
- 3) Vapor and odor suppressant.
- 4) Temporary dirt roads, as an alternative to asphalt.
- 5) Stabilizing stock piles.
- 6) Soil capping (long and short term).
- 7) Temporary helicopter landing pads.
- 8) Dust Control to dump truck removals.
- 9) Temporary asphalt patching using Envirotac II and dirt. This will patch potholes until replaced by asphalt.

***Note: Environmental Products and Applications has successfully used Envirotac II for long term stabilization of mining tailing ponds. Eliminating Arsenic, Asbestos, and other harmful compounds from contaminating air quality.**



SOIL STABILIZATION PRODUCTS COMPANY, INC.

P.O. Box 2779, Merced, CA 95344-0779
Phone: (209) 383-3296 or (800) 523-9992 Fax: (209) 383-7849
E-mail: info@sspco.com Website: <http://www.sspco.com>

FAX LETTER

DATE: September 13, 2001

FAX#: (718) 595-4422

FAX TO: Ms. Virginia Smythe
City of New York

#PAGES: 3

RE: Emergency Dust Abatement

Please see the following letter and technical specification sheet of proposed donation of dust control product.

Joe Phillip

To: Building Owners

From: R. Radhakrishnan, P.E.

Date: September 14, 2001

Subject: Clean-up of Asbestos-containing Material

Building owners or their representatives instituting clean-up activities of areas affected by the World Trade Center attack should follow these procedures:

1. Minimal dust accumulations (light coating) can be cleaned using wet methods and/or vacuums equipped with HEPA filters.
2. HVAC-system filters should be replaced prior to re-occupancy.
3. Accumulations of dust that include pieces of debris must be sampled by a NYC- DEP certified investigator or NYS- DOL inspector to determine whether the material is asbestos-containing material (ACM) or it may be assumed to be ACM. Wipe sampling and/or micro-vacuum sampling are not recognized methods for asbestos sampling and should not be used. Bulk sample analysis (PLM) must be performed by laboratories with ELAP accreditation.
4. Only individuals certified by the NYC-DEP as asbestos handlers can handle dust and debris accumulations identified to be ACM or asbestos-contaminated objects. ACM is any material containing more than one percent asbestos. All work shall be performed in accordance with Title 15, Chapter 1 of the Rules of the City of New York.
5. Emergency telephone notification must be provided to the Department. The telephone notification must include the name affiliation, and telephone number of the caller; the exact location including street address, floor, and surface types to be cleaned; the name, address, and telephone number of the NYS DOL licensed asbestos contractor handling the material; and the starting date. The Asbestos and Lead Control Program (ALCP) may be reached via (718) DEP-HELP (24 hrs/7days).
6. A scope-of-work including the information outlined in number 3 above and the procedures to be employed should be faxed to the ALCP at fax number (718) 595-3744. The Department will review plans, provide assistance, and offer recommendations. Our staff will be available to answer your questions from 8:00 a.m. to 8:00 p.m. seven days per week. A field office has been set up to expedite on-site assistance if necessary.
7. Remote showering units shall be acceptable. The area where the installation is proposed shall be pre-cleaned using wet wiping and/or HEPA vacuuming procedures. The location of the unit shall be specified in the scope of work

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submitted to the DEP. The unit should be set up so as to avoid tracking of materials into already cleaned areas.

8. Isolation barriers shall be installed between unaffected areas and areas to be cleaned.

9. A third party, who is independent of the asbestos abatement contractor, must perform air sampling and analysis. Any person(s) who conducts sampling must possess a valid NYS Asbestos Project Air Sampling Technician Certificate. Air sampling must be performed in accordance with the requirements set forth in Title 15, Chapter 1 of the Rules of the City of New York.

10. An "Asbestos Inspection Report" form, ACP 7, shall be submitted directly to the DEP within one-week. The ACP 7 must list the emergency clean up quantities in item 30.

11. Please note, the disturbance/ removal of in place material in the work place is not permitted during clean-up activities unless the Department specifically determines the need to abate damaged in place as part of the clean up. The emergency phase of the project must be completed prior to in place ACM abatement.

If you have any questions or require clarification, please do not hesitate to call the Department at (718) DEP-HELP (24 hrs/7days).

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**NYC Department of Environmental Protection
Bureau of Environmental Compliance**

Plan
Air Monitoring Scheme

I. ASBESTOS

No	Locations	Type	Remarks
1	PS 314K 330 59 th Street, Brooklyn	Background	Manual sampling by NYS DEC
2	PS 199 30-20 48 th Street, Queens	Background	Continuous sampling by NYS DEC
3	600 East 6 th Street Manhattan		Continuous sampling by NYS DEC
4	Susan Wagner High School 1200 Manor Road Staten Island	Background	Continuous sampling by NYS DEC
5	Ground Zero		Will be conducted by DEP
6	Ground Zero		Will be conducted by DEP

1. Sampling at the above locations will commence on September 14, 2001
2. A minimum of three samples will be collected at each location with a sample volume of 1800 liters and maximum flow rate of 15 liters/min.
3. The samples will be analyzed for both PCM and TEM.
4. The results of the samples will be faxed to DEP by 9:00 A.M. the following day.
5. Please note that the sampling locations are subject to change.

II. VOC's

1. Broadway & 21st Street, Queens
2. 138th Street & 3rd Avenue, Bronx
3. Central Park North & Lenox
4. Bay Street & Victory Blvd.

III. Others

Ground Zero Sampling (in cooperation with EPA) for

- a. Freon
- b. Phosgene
- c. VOC's