

2/19/03

Proposal to Expedite Clean-up of Indoor Residential Units/Common Spaces

Facts:

- HVAC evaluation process taking much longer than anticipated - issues with access agreements and mechanical drawings
- Common spaces show no evidence of residential WTC dust
- HVACs to be tented in public spaces eliminating the possibility of cross contamination
- Exhausts to be tented in areas of brush penetration; all other open vents to be sealed during the cleaning process
- Currently at 400 apartments per week, it will take 8 to 9 weeks to complete the project. Stock of apartments available for cleanup does not come close right now, to reach 400 per day, thus will take longer than 9 weeks to complete.
- Release all apartments and common spaces for cleaning, while HVAC evaluations are being conducted

Justification:

- Since routes of possible contamination will be sealed, the possibility of cross contamination to a common space/residential unit already cleaned is eliminated.
- This will allow the stock of apartments/common spaces to reach its maximum quickly, thus ensuring the contractors the maximum number of apartments to call, schedule and clean as per the contract.
- This will effectively reduce the present time span of the project, despite our many efforts to shorten the process.

Precedent

- The building at 222 Rector Street has had all the apartments cleaned, however, recently the owner has changed his mind regarding cleaning HVAC/exhausts and EPA has agreed to an HVAC/exhaust cleanup. In effect, this building will be cleaned using the same methods and procedures noted above.

EPA timeline
1/28/03
mtg.

Cleaning to be done in 11 Weeks
(Mid April)

1. Implementation of cancellation policy
 - a. Meeting with monitoring contractor/quad leader by 2/3/03
 - b. Clearly explain policy to all contractors by 2/3/03
 - c. Assist monitoring contractors in developing spreadsheet of all calls for tracking purposes
 - d. All residents to be called by 2/15/03
 - e. Initial call – send letter right away
 - f. Simultaneous letter/3 additional calls within same 2-week period
 - g. No response within two-week period/official cancellation
2. Total number of common spaces and apartments need to be delineated (within building requests)
3. All HVAC/Exhaust inspections must be done by February 22nd (3 weeks)

Refer to attached chart

4. Group all buildings by street address/proximity
5. Apartments/common spaces multiple

Refer to attached chart

6. Reinforce policy that residents cannot change from test only to test and clean
7. License/Access Agreement Policy
8. Send cover memo to building owner with timeframe when access agreement if due (2 weeks)
9. Need to get access agreements quickly (within 1 week) in order to continue inspections.

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3. All HVAC/Exhaust inspections must be done by February 22nd (3 weeks)

Quad A	15 inspections/week
Quad B	9 inspections/week
Quad C	15 inspections/week
Quad D	6 inspections/week

4. Group all buildings by street address/proximity

5. Quad A	1143	104 per week	
		20 apartments and/or common spaces/day	
Test Only	235	4/day	
Quad B	1356	61 per week	
		12 apartments and/or common spaces/day	
Test Only	230	4/day	
Quad C	1056	98 per week	20 per day
Test Only	213	19 per week	4 per day
Quad D	1015	92 per week	18 per day
Test Only	122	20 per week	4 per day

6. Reinforce policy that residents cannot change from test only to test and clean

7. License/Access Agreement Policy

8. Send cover memo to building owner with timeframe when access agreement if due (2 weeks)

Status Report for the Interior Cleaning Study

IAG ID Number: EMW-2002-IA-0126

Description of Work Completed:

The Residential Cleaning Study (RCS), also known as the Confirmation Building (Pilot) cleanup study, was initiated to evaluate different cleaning techniques that may have been utilized in the cleanup of residential spaces in the immediate vicinity of the former World Trade Center. The study involves implementing various cleaning techniques in separate apartments to determine their effectiveness. Comprehensive sampling for Contaminants of Potential Concern (COPC) was conducted throughout the study to determine which method of cleaning was most effective at removal of dust. The Contaminants of Potential Concern have been identified in a draft document, "WTC Indoor Air Assessment: Selecting Contaminants of Potential Concern and Setting Health-Based Benchmarks". This is currently undergoing peer review with a report planned for mid December.

On June 17, 2002 EPA initiated field work associated with the RCS on a building located at 110 Liberty Street. The 5 story building has 12 residential and 6 commercial spaces and has been unoccupied since 9/11. EPA has been evaluating 8 different cleaning techniques in separate units of the building. Cleaning techniques consist of basic vacuuming with standard household equipment to use of advanced commercial quality equipment. Wet wiping of horizontal surfaces was performed in each unit. Wet vacuums were used to clean carpets. Sampling was conducted prior to, during and after cleaning to determine the efficiency and effectiveness of each cleanup technique as well as possible exposures to individuals performing the task.

EPA has completed cleaning and sampling of all 12 residential and 6 commercial spaces. Six (6) residential spaces were cleaned twice and 3 residential spaces were cleaned a third time. Two (2) of the 3 commercial spaces required a second round of cleaning. Of the 6 commercial spaces, 3 were not part of the cleaning study but were cleaned and used to evaluate the cleaning and sampling of heating, ventilation and air conditioning (HVAC) systems. Post cleaning sample results collected from the systems are pending.

To date EPA has collected approximately 3,100 samples to evaluate cleaning techniques and possible exposures to contaminants. Approximately 2,676 samples (air, wipe and micro vacuuming) were collected to evaluate pre-cleanup and post cleanup efforts. Approximately 470 personal worker air samples were collected to evaluate potential occupational exposure levels.

Pending Activities:

The evaluation of the effectiveness of the various cleaning methods used will begin once we receive all sample results.

Following the receipt and validation of results, data will be incorporated into our existing database.

Data will be evaluated relative to cleaning techniques used, compared to health benchmarks and summarized in a final report. The evaluation of these data will also be required for the issuance of a clearance letter which will be issued to the owner of 110 Liberty.

Expected Completion Date:

All field activities ended on October 25, 2002. We expect that this will conclude all field work but are awaiting the final testing results.

We estimate that a final report will be completed by January 30, 2003.

Complex Issues Encountered:

The use of an aggressive sampling protocol to collect air samples required program adjustments and will be assessed in the final report. Samples were collected at various flow rates and volumes in an effort to provide the data necessary to perform this evaluation.

Cost Summary: (as of 10/31/02)

Budget Category	Funds Authorized	Funds Expended	Balance
Personnel	\$ 462,234	\$ 97,260	\$ 364,973
Travel	\$ 32,766	\$ 3,294	\$ 29,471
Equipment	\$ 130,000	\$ 59,028	\$ 70,971
RST Contract	\$ 462,000	\$ 275,000	\$ 187,000
ERS Contract	\$ 790,500	\$ 540,395	\$ 250,105
Analytical Laboratory Services Contracts	\$ 2,512,000	\$ 575,000	\$1,937,000
Totals	\$4,389,500	\$1,549,977	\$2,839,520

Status Report for the WTC Background Study Status Report

IAG ID Number: EMW-2002-IA-0126

Description of Work Completed:

The EPA initiated the Background Study to learn what levels of pollutants existed in indoor residential environments in New York City prior to September 11, 2001. To do that, EPA and the agency's contractor TRC collected samples to test the dust and air in residential buildings that were not directly affected by the collapse.

The objective of this background study is to determine indoor baseline levels or background concentrations of Contaminants of Potential Concern (COPC) (per the draft documents "WTC Indoor Air Assessment: Selecting Contaminants of Potential Concern and Setting Health-Based Benchmarks") including asbestos, lead, dioxins, PAHs, silica, calcite, gypsum, and fibrous glass in household dust and asbestos, lead, silica, calcite, gypsum, and fibrous glass in indoor air for New York City residential buildings.

Sampling was conducted in Fourteen (14) Residential Manhattan Buildings that were not affected by the airborne dusts and plume which emanated from "Ground Zero," the WTC site.

Samples were collected in each building from two residential units and from one common area, such as the lobby, hallways and/or laundry rooms where access was provided.

The data from this study will be used as residential background information within New York City (NYC) for comparing the analytical results of the pilot cleanup study and the indoor residential cleaning project. These data are to be used for baseline information of residential contaminant levels found in common NYC dwellings as well as potential cleanup levels to address potential threats to public health and safety for buildings affected by the WTC collapse.

Sampling began on August 20, 2002. On September 25, 2002 EPA and TRC (the field work contractor) completed all sample collection activities related to the background study.

In total, fourteen buildings have been sampled consisting of nine common areas and twenty-five residential dwellings. The laboratories continue to perform the analysis of samples, and the data validation contractor continues validation efforts.

Pending Activities:

Obtain outstanding data from laboratories and validate and transport these data to a database for tabulation and evaluation.

Sample results will require assessment for the purpose of developing background levels. These results and their interpretation will have to be transmitted to residents and building owners who participated in the study.

Prepare a final report which summarizes the study and presents the rationale used to establish background levels for the various potential contaminants of potential concern.

Expected Completion Date:

Given the voluntary nature of the Background Study it took longer than originally projected to obtain access to the number of buildings we identified. This will also result in a delay in the completion of this study. the IAG completion date will still require an extension. EPA assumed the access responsibilities from the NYCDOH. This change resulted in an increase in EPA personnel costs. The change in projected completion date and cost changes are reflected in an IAG amendment which is presently circulating.

The revised project completion date has been estimated to be April 30, 2003.

Complex Issues Encountered:

None to date.

Cost Summary: (as of 10/31/02)

(costs presented below include those reflected in the IAG amendment that is presently in circulation)

Budget Category	Funds Authorized	Funds Expended	Balance
Personnel	\$ 317,814	\$ 52,997	\$ 264,817
Travel	\$ 15,630	\$ 10,879	\$ 4,751
other	\$ 950	\$220	\$ 730
Sampling Contract	\$ 145,600	\$ 68,255	\$ 77,375
Analytical Lab Contract	\$ 705,300	\$331,800	\$373,500
Equipment	\$ 130,000	\$850.00	\$ 129,150
Data Validation Contract	\$ 58,800	\$ 25,000	\$ 33,800
Totals	\$1,374,094	\$489,971	\$884,123

10/02/2002 12:23 FAX 2129452106

SJ Software

001

TO: Joe Albaugh, Director of FEMA
FAX: 202-646-3990
CC: Bob Alvatroni, NYC DEP
FAX: 718-595-4544
FROM: Sudhir Jain
PHONE: 212-945-2106
FAX: 212-945-2106
RE: Extension of EPA WTC Cleanup Program Registration Deadline
DATE: 10/02/02

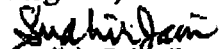
CONFIDENTIAL

Dear Director Albaugh:

On behalf of the residents of Lower Manhattan, I hereby request you to support the EPA's request for extension of the registration deadline for the EPA WTC Cleanup program to at least 12/28/02. We believe this is in the best interest of all concerned in protecting the health and safety of residents downtown and in giving the EPA more time to do COMPREHENSIVE AND AGGRESSIVE OUTREACH which has not been done to date.

Please do not hesitate to contact me if you have any questions.

Regards,



Sudhir Jain, President

WTC Residents Coalition

50 Battery Place, #4Y

New York, NY 10280

Avaltroni, Robert
From: Mears.Mary@epamail.epa.gov
Sent: Wednesday, October 02 2002 3:01 PM
To: avaltronlr@dep.nyc.gov; gair.brad@fema.gov; charless@dep.nyc.gov
Subject: Slight change

Chris,

Bob is enroute and asked me to fax the following to you. He concurs with the release.

Jane

We gave FEMA and the city some credit for the extension in this version.....

DRAFT

October 2, 2002 (3:00pm)

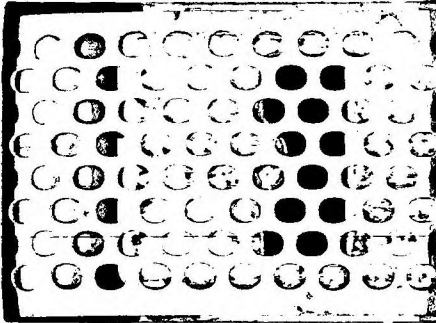
EPA, FEMA AND CITY EXTEND DEADLINE TO REGISTER FOR DOWNTOWN CLEANUP AND

TESTING PROGRAM

New York, N.Y. ? In response to requests from some residents for more time, the U.S. Environmental Protection Agency, in conjunction with the Federal Emergency Management Agency and the City of New York, today announced that it will extend the deadline for lower Manhattan residents to sign up for either cleaning and testing or testing only until December 28, 2002 to give downtown residents more time. Under the EPA World Trade Center Residential Dust program, residents living below Canal, Allen and Pike Streets may ask to have their homes cleaned and tested for airborne asbestos by certified asbestos contractors or they may ask for testing alone under EPA's lower Manhattan cleanup program.

To date, 1088 people have requested testing and 4129 have asked for cleaning and testing. The Agency expects to release results of sampling late next week.

For more information about the program or to sign up for the program, residents can either visit EPA's web at www.epa.gov/wtc or call 1-877-796-5471 or (for hearing impaired) 1-800-366-1018



MICHAEL GILSENAN, ASSISTANT COMMISSIONER
BUREAU OF ENVIRONMENTAL COMPLIANCE
 59-17 Junction Boulevard, 11th Floor
 Corona, New York 11368-5107
 (718) 595-4541
 (718) 595 4544 (fax)

Date: 7/11/02

Log: _____

To: Chris Ward

Re: EPA Talking Points

c: R. Avaltroni
 S. Grob

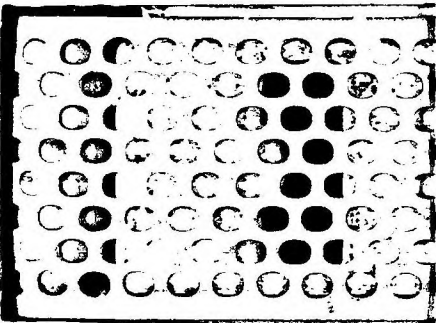
- | | |
|--|--|
| ☐ Urgent | ☐ Per our conversation |
| ☒ For your information | ☐ Draft response for my signature |
| ☐ For appropriate action | ☐ Draft response for the Commissioner's signature |
| ☐ For comment | ☐ Respond/copy me |

Comments: These talking points were
included in the draft scope package
given to me by Kathy Callahan today. I

don't believe that I was to get this.
It appears to be for Jane's boss, which
is line with what Kathy told me regarding
waiting to hear from Washington

Thanks,

Mike G.



Talking Points
WTC Hot Issues Call
7/11/02

- We have completed the scopes of work for the cleaning and testing of residential areas in lower Manhattan. These will be the basis for the award of contracts and subsequent program start up.
- These scopes have been developed with input from not only NYC DEP but from various community groups and elected officials. No further revisions to these scopes are planned.
- Although we have had significant input as previously mentioned from various interested parties we will not be able to address all their concerns, thus we believe that the release of the scopes, through the contract bid process will be very controversial.
- We are raising this as a "heads up" at this point. Jane will arrange to brief in detail on this. Some areas that we have not been able to achieve consensus on are:
 - ▶ EPA's allowing participation in the program to be voluntary rather than mandatory (through an opt out program), many would like EPA to use NCP authority to force clean up
 - ▶ Scope of contaminant sampling should be broadened for both pre- and post-sampling efforts
 - ▶ Use of 10^{-4} risk level, which is consistent with the Libby, MT approach, for asbestos instead of 10^{-6} risk level
 - ▶ Legal requirements for cleanups, NYS attorney general has opined that the NYC asbestos regulations are applicable to these cleanups, we don't agree. Also, the AG wants every apartments tested for lead regardless of whether lead is an issue arising from the collapse of the WTC or a pre-existing condition.
 - ▶ HVAC systems - In lieu of testing all HVAC systems, we will be dealing with these on a case-by-case basis
 - ▶ Citizens Advisory Committee - we remain committed to meeting with all interested parties, however, we don't believe that a CAC would help to expedite clean-up
- As mentioned earlier, Jane and Kathy Callahan will be briefing you on this in the very near future as this program is essentially ready to go to contract and further delays need to be avoided.

Avaltroni, Robert

From: Callahan.Kathy@epamail.epa.gov
Sent: Friday, June 28, 2002 1:27 PM
To: avaltronir@dep.nyc.gov
Subject: ground zero elected... p.s.

clarification—we sent it to cate jenkins after she had it from another source and had sent an accompanying note that implied epa did not want to reveal this draft to others. george thurston raised the fact that he had seen it from jenkins, so we said we will send it to you and other scientists so it is clear we aren't keeping secrets.

Kathleen C. Callahan

212-637-3116

officials list.

Jerry Nadler
Virginia Fields
Sheldon Silver
Martin Conor
Tom Duane
Deborah Glick
Kathryn Free
Margarita Lopez
Alan Gerson
Madelyn Wils

this was as of last october. there have been some changes in electoral status, as i recall. so the exact list is in nadler's hands.

as i assume you know, i spoke to chris. i am sorry that you felt the draft should have been run by you before going out. thought we were in close enough coordination. obviously that was not a good assumption. won't happen again. so let's talk about what is in there of concern, beyond what you've raised on the risk based, 30 yr. #.

i am following up with some folks on their interpretations and will give chris/you feedback.

epa did not send it to cate jenkins. folks on the 9/11 envir. action group may have or jerry's staff. that is what happened the first time we sent a draft. call if you want to talk. i am sorry chris is so distressed, but i believe we can still stay very much on track.

Kathleen C. Callahan

212-637-3116



**Department of
Environmental
Protection**

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

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



(718) DEP-HELP

JUN-28-2002 12:04

EPA

10: Jane from: Mary

Mary Mears

06/28/2002 10:48 AM

To: avaltronr@dep.nyc.gov, michaelgi@dep.nyc.gov, Kathy Callahan/R2/USEPA/US@EPA

cc: Dore LaPosta/R2/USEPA/US@EPA, Ray Basso/R2/USEPA/US@EPA, Benjamin Barry/R2/USEPA/US@EPA

Subject: List of people that we sent the Scopes of Work to.

Hi Bob and Mike:

We sent the Scopes of Work to 9/11 Environmental Action and to The Ground Zero Elected Officials Task Force. We also sent to a handful of scientists that we knew would be interested. Below is the specific list:

9/11 Environmental Action members:

Pat Dillon
Kathryn Freed
Marjorie Clarke
Sudhir Jain
Dave Newman
Paul Bartlett
Uday Singh
Stan Mark
Ussari YuJenna Orkin
Mae Lee
Maureen Silverman
Kimberly Flynn
Ellie Silk
Mie Gross
Marilena Christodoulou
Barbara Einzig
Amie Gross
Diane Lapson
Tammy Meltzer
Craig Hall
Joel Kupferman

Others Scientists

George Thurston
Pat Kinney
Paul Lloy
Bruce Lanphear
Cate Jenkins

Elected Official's Ground Zero Task Force

Congressman Jerry Nadler
Congresswoman Nita Velasquez
State Assemblyman Sheldon Silver
State Senator Connor
State Senator Duane
Councilmember Glick
Councilmember Lopez
Councilmember Quinn
Councilmember Gerson
Borough President Fields

Comments on NYCDEP Indoor Clean-up Activities

5/21/02

- 1) Order in which cleaning is going to happen (Joe Rotola will provide)**
- 2) Final Air Monitoring—Does not spell out that there are two types, aggressive and modified aggressive. Must have one sign off form and state that apartment occupant must chose which type of air monitoring they want and sign the document.**
- 3) Request more specific criteria on how project monitor will determine that area is clean. Provide the contractor with a checklist.** *visual*
- 4) Responsibility of oversight of contractors needs to be worked out.** *FFA*
- 5) Under Scope of Work A #5—best professional judgement will be used needs to be added.**
- 6) Apartment owner/occupant needs to be present during cleaning operation. This item needs further discussion.** ✓
- 7) What will DEP's work schedule be? Will you be working seven days a week?**
- 8) Update database every 24 hours and provide report of database. See attached database comments.**

ADD
B+C

DRAFT
May 7 (11:30 am)

TALKING POINTS
World Trade Center Comprehensive Indoor Cleanup Program
May 8, 2002

- EPA and our federal, state and city partners have launched a comprehensive program to ensure that apartments impacted by the collapse of the World Trade Center have been properly cleaned.
- We are taking these actions to address the concerns of Lower Manhattan residents. No one should have to live with anxiety about the safety of the air in their own homes.
- The scientific data about any immediate health risks from indoor air is reassuring and we do not have an emergency situation. But, people should not have to live with uncertainty about their futures.
- Much has already been done by government agencies, building owners and individuals to clean up homes and businesses in Lower Manhattan. The actions announced today will provide further assurance that interior spaces have been cleaned properly and will verify and possibly refine recommended cleaning techniques.
- Many details of the program will be fleshed out over the weeks to come. The time frame for getting apartments cleaned will be determined by the number of people who request cleanups and testing. The agencies will make every effort to have the program operating efficiently and effectively as quickly as possible.

4/11/02

EPA Proposed Schedule of Activities:

April, 2002

- Begin Cleaning of Building Exteriors ✓
- ~~Establish of a Hotline for Cleaning Concerns~~
- Establish a Program to Provide Assistance to Individuals/Businesses with Cleaning Concerns and Begin Implementation ✓
- ~~Identify Scientific Advisors~~ *Independent Evaluation*
- Initiate of EPA Peer Review/Consultation Process
- Develop Preliminary List of Contaminants-of-Concern and Benchmarks
- Develop Communication Strategy - Need NYC to Complete ASAP

May, 2002

- Begin Cleaning of Unoccupied Buildings ✓
- Initiate Study of Background Levels of Contaminants-of-Concern ✓
- Initiate Pilot Cleaning of Unoccupied Building to Evaluate Cleaning Techniques *positive*
- Develop Database of Existing Indoor Air Quality Data - Need NYC to submit proposal to FEMA to initiate this effort.

June, 2002

- Fill in Data Gaps of Building-Specific Cleaning Status
- Distribute Information on Cleaning Status by Building

July, August, September

- Complete Cleaning of Unoccupied Buildings
- Complete Exterior Cleaning of Building
- Complete Study of Levels of Contaminants-of-Concern
- Complete Pilot Cleaning of Unoccupied Building to Evaluate Cleaning Techniques
- Complete Peer Review
- Develop Final List of Contaminants-of-Concern and Benchmarks

*EPA
Taking lead*

*history = positive
new initiatives =*

*Red light
Green light
Yellow light*

*1) testing
2) general clean-up
3) things never cleaned*

4/11/02

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- Develop Final List of Contaminants-of-Concern and Benchmarks

(3) B. Aueltroni
DC
G. Ryan
M. Laroche

**Statement by
Jane M. Kenny, EPA Region 2 Administrator
on the
Ombudsman's World Trade Center Hearing
February 23, 2002**

We are deeply distressed by the tone of the investigation by EPA Ombudsman Robert Martin into the health and environmental impacts of the World Trade Center attacks. From public statements, it seems that Mr. Martin has already reached his conclusions. We do not believe that today's hearing on this issue will be a forum for productive discussion of the public's genuine concerns and, therefore, have declined the invitation to attend. The hearing is clearly designed to get the headlines, not the facts.

EPA has already testified before U.S. Senate, New York State Assembly and New York City Council committees looking into the health and environmental impacts of the World Trade Center collapse. We have openly answered questions posed by numerous reporters and members of the public and posted our monitoring data on our Web site daily. Our extensive monitoring results and response efforts since September 11 are a matter of full public record.

Administrator Whitman has asked our city, state and federal partners to work with EPA to address ongoing concerns about the safety of home and workplace environments through a Task Force on Indoor Air in Lower Manhattan. A working group from the relevant agencies has already held an informal meeting to jump-start this process. The task force will provide a real forum for evaluating the risks and responsibly explaining them to the public.

Residents of lower Manhattan need information and advice, based on sound science, not politically-motivated rhetoric. Today's hearing may be off-off Broadway, but it is still pure theater.

c: \ Ombudsman \ WTC \ HQO Investigation \ Ombudhearing.jk.2-23-02.wpd (2/23/02)

INDOOR CLEANING

12/5/2002

ISSUES

1. LIST

2. HVAC

Letters 23 weeks to get response.

List - go through existing documents & see if we have information on HVAC cleaning

Estimate

3. CONTINUE CLEANING :

- HVAC ASSESSMENT IS NOT COMPLETE - do not hold apt. cleaning

- Meet with Contractors & ^{Quad / Leades}

- Resolve Cole ~~problems~~

- Try to schedule min. 10 apts.

-

④ Registration Status/ - DEP
Invoices

⑤ Change orders - DEP

⑥ Disposal issues - EPA

⑦ HVAC check list

⑦ Done, can you update me on ~~disposal~~ status of

the disposal issue that the contractor brought a few weeks ago. Thanks Mike

5/16/02
Cleanup
Initiative

5/16/02 Clean-up Initiative

1. Conversation with Kathy Callahan

- Nadler's people reviewing scope. Want to have community input, which will delay Program by about a week (Jane Kenny in DC has to decide).
Wants Chris to talk to Nadler.

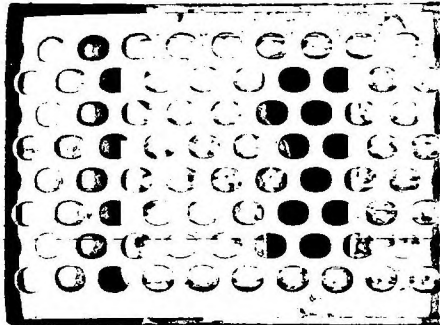
2. Wants to know if the eight contractors can come through one consultant to the HOTLINE (Data processing purposes). We have gone back and said four contractors are acceptable

3. City Law Department wants testing before anything is done. They have to be made aware that this is an EPA program with the City as the procurement conduit for FEMA reimbursement purposes.

I raised the issue that if we handled it with testing first in all instances, FEMA might balk at paying for a massive clean-up effort if testing only proved everything is fine.

They also have security concerns. I informed them that EPA is managing the initiative and requires the occupants to be home. The issue of, if abatement is required (where the occupant can't stay in residence) how would security be addressed. I explained that this is no different than a normal abatement project and stressed again that EPA is responsible for the program.

I stressed that this has the full support of the Administration and how imperative it is that this EPA initiative be implemented on time.



MICHAEL GILSENAN, ASSISTANT COMMISSIONER
BUREAU OF ENVIRONMENTAL COMPLIANCE
 59-17 Junction Boulevard, 11th Floor
 Corona, New York 11368-5107
 (718) 595-4543
 (718) 595 4544 (fax)

Date: 7/11/02

Log: _____

To: Chris Ward

Re: EPA Talking Points

c: R. Avaltroni
 S. Grob

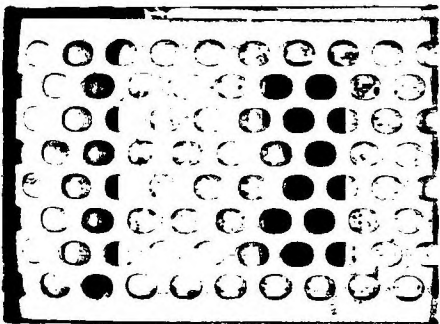
- | | |
|--|--|
| ☐ Urgent | ☐ Per our conversation |
| ☒ For your information | ☐ Draft response for my signature |
| ☐ For appropriate action | ☐ Draft response for the Commissioner's signature |
| ☐ For comment | ☐ Respond/copy me |

Comments: These talking points were
included in the draft scope package
given to me by Kathy Callahan today. I

don't believe that I was to get this.
It appears to be for Jane's boss, which
is line with what Kathy told me regarding
waiting to hear from Washington.

Thanks,

Mike G.



Talking Points
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- We have completed the scopes of work for the cleaning and testing of residential areas in lower Manhattan. These will be the basis for the award of contracts and subsequent program start up.
- These scopes have been developed with input from not only NYC DEP but from various community groups and elected officials. No further revisions to these scopes are planned.
- Although we have had significant input as previously mentioned from various interested parties we have will not be able to address all their concerns, thus we believe that the release of the scopes, through the contract bid process will be very controversial.
- We are raising this as a "heads up" at this point. Jane will arrange to brief in detail on this. Some areas that we have not been able to achieve consensus on are:
 - ▶ EPA's allowing participation in the program to be voluntary rather than mandatory (through an opt out program), many would like EPA to use NCP authority to force clean up
 - ▶ Scope of contaminant sampling should be broadened for both pre- and post-sampling efforts
 - ▶ Use of 10^{-4} risk level, which is consistent with the Libby, MT approach, for asbestos instead of 10^{-6} risk level
 - ▶ Legal requirements for cleanups, NYS attorney general has opined that the NYC asbestos regulations are applicable to these cleanups, we don't agree. Also, the AG wants every apartments tested for lead regardless of whether lead is an issue arising from the collapse of the WTC or a pre-existing condition.
 - ▶ HVAC systems - In lieu of testing all HVAC systems, we will be dealing with these on a case-by-case basis
 - ▶ Citizens Advisory Committee - we remain committed to meeting with all interested parties, however, we don't believe that a CAC would help to expedite clean-up
- As mentioned earlier, Jane and Kathy Callahan will be briefing you on this in the very near future as this program is essentially ready to go to contract and further delays need to be avoided.

TALKING POINTS
World Trade Center Comprehensive Indoor Cleanup Program
May 8, 2002

- EPA and our federal, state and city partners have launched a comprehensive program to ensure that apartments impacted by the collapse of the World Trade Center have been properly cleaned.
- We are taking these unprecedented actions to address the concerns of Lower Manhattan residents. No one should have to live with anxiety about the safety of the air in their own homes.
- The scientific data about any immediate health risks from indoor air is reassuring and we do not have an emergency situation. But, people should not have to live with uncertainty about their futures.
- The plan – covering residential units south of Canal Street and the Manhattan Bridge approach, river to river – was developed by a multi-agency Task Force on Indoor Air in Lower Manhattan created by EPA Administrator Christie Whitman.
- The collaborative effort by EPA, New York State, New York City, FEMA and OSHA will include: cleanups of residential units on request, using certified contractors, with followup testing for asbestos in the indoor air; testing-only for asbestos in the indoor air for requesting households; establishment of a hotline to take cleanup and testing requests; availability of HEPA (High Efficiency Particulate Air) filter vacuums; distribution of health and cleanup information; and professional cleanups of remaining unoccupied, uncleaned buildings.
- The situation has not been static over the past eight months. Much has already been done by government agencies, building owners and individuals to clean up homes and businesses in Lower Manhattan. The actions announced today will provide further assurance that interior spaces have been cleaned properly and will verify and possibly refine recommended cleaning techniques.
- All of EPA's actions in response to the collapse of the World Trade Center have been based on sound science and have been taken to protect people's health and the environment.
- Many details of the program will be fleshed out over the weeks to come. The time frame for getting apartments cleaned will be determined by the number of people who request cleanups and testing. We expect to have the hotline running by May 30, with cleanups to begin in early June.

EPA AND NEW YORK CITY OUTLINE COMPREHENSIVE PLAN TO ADDRESS THE CONCERNS OF LOWER MANHATTAN RESIDENTS ABOUT THE IMPACTS OF THE WORLD TRADE CENTER COLLAPSE

Questions and Answers

May 8, 2002

1) Does the fact that EPA is willing to clean apartments mean that you are not confident in the cleaning recommendations to use wet wipes/mops and HEPA vacs?

We remain confident that the cleanup methods recommended for residences with minimal dust -- wet wiping, wet mopping and using HEPA filter vacuums -- are effective. EPA has recommended the use of professional certified cleanup contractors in residential units in which there was a significant accumulation of dust or debris.

The Agency recommends that all residential and commercial spaces that have been cleaned, especially those with significant impacts from dust or debris from the collapse, repeat cleaning using wet mop, wet wipes and HEPA vacuums. Porous surfaces, like carpets and drapes, may still contain some dust that might get re-entrained in the air. Exposure occurs when the materials are in the air and inhaled. These cleaning methods greatly reduce the chance of the substances getting into the air.

EPA's pilot testing and background studies will yield more information in the longer term, but we do have the results of a study done by the ATSDR and the NYC Department of Health. This study tested the air inside apartments that were cleaned using the recommended methods. No air testing showed asbestos above the standard used for re-entry into schools after an asbestos removal. In a number of the apartments, dust samples showed that some asbestos remained. This is why we continue to recommend ongoing cleaning.

Our cleanup program is meant to give residents an added level of assurance about their homes. EPA is offering this cleanup and testing program and is also offering HEPA vacuums.

2) Isn't it too late to offer this cleaning program? Haven't people already been exposed?

The scientific data about any immediate health risks from indoor air is reassuring and we do not have an emergency situation.

The first thing to remember is that, for most of the compounds that present a potential long-term health risk, exposure must occur at elevated levels over a long period of time. Health effects caused by asbestos most often occur when exposure is to relatively high levels over a long period of time. Even if people have not cleaned using recommended methods, leading medical experts have concluded that the risk of getting sick from exposure to asbestos from the WTC collapse is very, very small. According to Dr. Stephen Levin, medical director of the Mt. Sinai School of Medicine's Center for Occupational Health and Environmental Medicine, "It's not a zero increase in risk, but it's not a magnitude of risk that I think people ought to be terrorized by...."

The cleanups and testing that EPA and the city are now offering will help reduce any further exposures. In the meantime, EPA will continue to evaluate and confirm the effectiveness of cleanup techniques and whether there are compounds other than asbestos that may pose potential risk in the long term.

3) Will you clean apartments outside of Lower Manhattan? If not, why not?

This program is currently limited to Lower Manhattan because the data indicates that the most significant impacts from debris and dust and the fires occurred in this area. Those in other areas who feel that they were significantly affected should call the hotline and provide information. We will consider the requests in light of our ongoing analysis of the impacts.

4) When you clean apartments, will you clean personal belongings, drapes, carpets or furniture?

We expect to clean residential spaces that have already been cleaned and where residents have returned to their living quarters. For the most part, personal belongings will have already been cleaned at least once. The contractors will evaluate the need to clean them on a case by case basis. We will clean all hard surfaces including walls, floors and shelves; carpets; drapes and upholstered furnishings.

5) What will you test for in the apartments you clean? Will you test for dioxin and lead and substances other than asbestos? If not, why not?

We will test for asbestos in air. This is the substance of greatest concern, and air is the pathway of exposure. By cleaning the dust, other substances will also be removed.

Our scientists will continue their current work on a list of other substances associated with the WTC collapse. The list includes asbestos, fibrous glass, dioxin, lead and other substances. These scientists and technical experts are evaluating whether there is reason to be concerned about other compounds in indoor environments. If they conclude that substances other than asbestos might pose a significant risk, the scientists will determine if any refinement to cleanup guidance is needed. The list and any proposed benchmarks for substances on the list will be peer reviewed by independent scientists.

6) What standard and analytical technique is EPA using to determine if homes are clean?

EPA will use the TEM method to analyze air samples for asbestos. The samples will be evaluated using the AHERA standard used to clear children for re-entry into school buildings after asbestos work is performed. We will compare the results to an extremely protective health-based benchmark for a 30-year exposure to asbestos.

The tests will be conducted using a fan-agitated air sampling system. The use of aggressive sampling, which requires heavy agitation using leaf blowers, can be extremely disruptive in occupied apartments. Aggressive testing will be employed if conditions warrant or if residents request this approach.

7) Why just test the air?

Fortunately, scientific protocols are already in place for conducting air tests and evaluating the results. The test methods for accurately and consistently evaluating asbestos in dust are not in place. Scientists and technical experts are still debating them.

8) How many apartments are there in Lower Manhattan and will EPA have enough money to clean them all – if asked?

Based upon census data, New York City has informed us that they estimate 31,000 residents and approximately two residents per dwelling unit for Lower Manhattan. We are working with an estimate of 15,000 apartments. Working with FEMA, we believe we will be able to fund cleanups for all, if necessary.

9) Will you use asbestos abatement contractors and will they wear "moon suits" and respirators to do the cleaning?

For all cleanup activities, certified professional cleanup contractors will be used. For apartments that have already been cleaned, OSHA will not require workers to wear personal protective equipment. OSHA has determined that tyvek suits and respirators are not needed. This decision is based on monitoring data collected by cleanup workers during cleaning operations in buildings close to the WTC site. If individual circumstances warrant, OSHA may exercise its authority to increase the level of personal protective equipment required.

10) How long will it take the program to start?

Many details of the program will be worked out over the next few weeks. We expect to have the hotline running by May 30, with cleaning to begin shortly after. Residents will be asked to make their requests for cleaning and testing through the hotline over a 90-day period following the announcement of the hotline number.

An extensive public outreach campaign, including public service announcements, community meetings and Web-based information, will be launched to inform the public about the cleaning and testing program. At this point, we do not know exactly how long it will take to complete the cleanups. The time frame will be determined by the number of residents requesting cleaning and testing.

11) How will you clean the apartments in the unoccupied building you chose for your pilot study of cleaning methods?

EPA will compare the effectiveness of cleaning methods ranging from those not recommended (vacuuming with an ordinary vacuum) to recommended methods (wet wipes and wet mops along with different HEPA vacs with varying filters).

The Agency will do pre- and post-testing in order to determine which methods were the most effective. We may do repeat cleaning, if necessary, as recommended to Lower Manhattan

residents.

12) Will you be using micro vacuuming sample collection in your studies?

There is ongoing scientific debate about the usefulness of micro vacuum samples since there is no risk-based standard for asbestos in dust. EPA will collect samples in the unoccupied building using micro vacuuming techniques for study and screening purposes. We will also use other techniques such as wipe samples for certain compounds.

13) What does EPA recommend people do with things that can't easily be cleaned, like carpets and drapes?

If an apartment was heavily impacted by dust or debris from the WTC collapse, residents may want to replace porous items such as carpets and upholstered furniture. Asbestos is tough to get out of carpets and drapes; that is why we have recommended repeated cleaning.

As part of our pilot study, we will be evaluating the effectiveness of removing asbestos as well as other compounds from porous surfaces.

14) What does EPA recommend people do with their air conditioner?

EPA is working with the state and city Departments of Health on guidelines for cleaning individual air conditioning units. The city will be conducting an evaluation of central (HVAC) air conditioning systems in consultation with the American Society of Heating, Refrigeration and Air Conditioning Engineers.

15) When will the pilot cleaning and background studies be completed?

The study of indoor air is extremely complex. There are few indoor air standards already set. It is difficult to analyze for certain conditions indoors and there are no accepted sampling protocols. That is why we expect it will take between 18 and 24 months to complete EPA's pilot cleaning and background studies. It is also why we are taking a dual approach -- offering cleanups now and continuing to evaluate.

It will also take us time to get scientific support and comments on our studies. We are in the process of procuring the services of the contractors who will do the cleanups, testing and the analysis of the samples. We will need to get access to residential spaces. We will need to conduct a comprehensive review of various studies and compare the results.

As we conduct the studies we will keep the public informed about any new information that is valuable in the short term. Any identified refinements to cleaning will be translated into recommendations, which will be widely distributed. In the meantime, we recommend continued wet wiping, wet mopping and the use of HEPA vacuums.

16) Now that you are offering to pay for cleanups, will FEMA reimburse people who already had their apartments cleaned or tested?

We are working with FEMA to determine if there is a mechanism for reimbursing individuals who previously paid for cleaning their apartments. Residents who had their apartments cleaned are eligible for cleaning and testing through this program.

17) What financial assistance is available to commercial property owners for cleaning?

FEMA's assistance generally supplements insurance, and commercial entities are not eligible for direct financial assistance. Low-interest loans are available to small businesses. Commercial property owners should direct their questions to FEMA, the Small Business Administration and the Lower Manhattan Development Corporation.

18) Will the agencies be cleaning any commercial properties?

The city, through this program, will be cleaning a small number of commercial spaces in the unoccupied, uncleaned buildings and will also be cleaning building roofs and facades to prevent any dust or debris from re-entering interior spaces.

FEMA is supporting this program because there is a need to expedite the work in order to prevent any re-entrainment of debris or dust from the WTC collapse. Re-entrainment could pose increased long-term health threats and slow the economic redevelopment of Lower Manhattan. The removal of the residual dust makes sense now that the recovery efforts at Ground Zero are nearly complete.

Good afternoon. I am pleased to be here today with the EPA and our federal, state and city partners to announce the launch of a comprehensive program to allay the fears of Lower Manhattan residents concerned about possible asbestos contamination in their homes caused by the collapse of the World Trade Center. There are approximately 31,000 people living south of Canal Street, and none of them should have to live with concerns of the air they breathe. We are gratified that FEMA, through EPA and DEP, are providing emergency funding to allow residential dwellings to be cleaned and tested for asbestos. While our work to date has found minimal instances of asbestos in the buildings surrounding Ground Zero, we are confident that the measures announced today will help further reassure residents of Lower Manhattan of the safety of their living environment.

Immediately following the collapse of the Twin Towers, the City initiated cleanup activities of streets, sidewalks, and exterior common areas with EPA. Since September 11th, we have established an air monitoring network in and around Ground Zero to evaluate the ambient air quality on a continuing basis. Since January, DEP inspectors have been conducting an assessment of building exteriors. To date, approximately 800 buildings have been inspected to identify potential debris from the World Trade Center collapse on rooftops and facades. Where we have found exterior debris, it has formed into dense, cake-like deposits and in small amounts, and causes no significant risk to residents, workers or visitors. To ensure that it is cleaned up, and to ensure that residual debris poses zero risk to human health, the City, with the assistance of EPA, is in the process of cleaning up this material itself.

We have also been compiling indoor air samples from approximately 300 building owners in Lower Manhattan. Of the more than 121,000 samples submitted to date, only 1% has been above the established asbestos guidelines. In all these cases, a proper clean-up was conducted. DEP has responded to owner requests and citizen complaints about debris in apartments with site visits to review interior and exterior conditions. To date, we have received 218 complaints regarding possible asbestos contamination in apartments; only one of these complaints has warranted a clean-up. We are confident that there is minimal reason for public concerns about the air in their homes. Regardless, we recognize that New Yorkers need to be assured that they are not being exposed to asbestos that might pose long-term health risks. Through the partnership of these agencies, we are pleased to be going forward with this program to offer professional cleaning and testing of residential units south of Canal Street river-to-river.

The scientific data about immediate health risks from short-term exposure to asbestos is reassuring, and in the few cases where it has been found in homes, professional clean-up has been completed. Unfortunately, there are few existing standards for indoor air quality and sampling protocols are still rudimentary at this point. The EPA Indoor Task Force is working to develop accurate evaluation criteria. As we conduct the necessary background studies, we will keep the public informed about any new information that is valuable in the short-term. By offering testing and clean-ups to all Lower Manhattan residents while continuing to evaluate local interior and exterior air quality, we aim to address the public's immediate concerns, while allowing us to ensure the long-term quality of air Downtown.

Many details of the program will be fleshed out in the weeks to come. The time frame for getting apartments cleaned will be determined by the number of people who request testing, but funding has been identified to clean all residential units, if necessary. DEP and the other local, state and federal agencies involved will make every effort to move this process forward quickly and efficiently. We are pleased that our federal partners -- the EPA and FEMA -- have taken this proactive step to offer New Yorkers peace of mind and ensure the safety and health of Lower Manhattan residents.



THE WALL STREET JOURNAL.
O N L I N E

May 8, 2002

AFTERMATH OF TERROR

EPA, in Reversal, to Test Homes In Lower Manhattan for Asbestos

By JIM CARLTON

Staff Reporter of THE WALL STREET JOURNAL

Succumbing to pressure from angry tenants near the site of the former World Trade Center, the Environmental Protection Agency has agreed to take responsibility for cleanup and testing of residences potentially contaminated with asbestos after the Sept. 11 terrorist attacks.

The decision, scheduled to be announced at a news conference in Manhattan Wednesday, represents a remarkable turnabout from the EPA's previous policy of leaving primary responsibility for the residences to New York City officials. The city in turn had delegated cleanup and testing to building owners and occupants. The result, numerous critics contend, has been a hodgepodge of techniques that have failed, in many instances, to detect the asbestos. For example, private laboratory tests contracted by some of the residents have found asbestos contamination in at least three residential buildings near Ground Zero, even after they had been cleaned with mopping, vacuuming and other techniques.

Officials of the EPA's Region 2 office in New York will announce that they will clean and then test again for asbestos and fiberglass particles in the residences of anyone living south of Canal Street who believes they may have contamination, according to people familiar with the decision. More details of the cleanup are to be released at the news conference, but the effort is likely to be enormous, since as many as 50,000 people live in the high-rise apartments and condominiums that have sprung up in lower Manhattan in recent decades.

"This represents a 180-degree shift by the EPA in the right direction," said Eric Schmeltzer, an aide to Democratic Rep. Jerrold Nadler, whose district covers most of the area near ground zero.

EPA officials declined to comment ahead of the news conference.

Advocates for better residential cleanup reacted cautiously to the news, saying they wanted to see more details. For example, they said the EPA needs to make sure any outdoor areas are cleared of asbestos contamination, so as not to provide a source of

potential new pollution for the indoor areas. In particular, they say rooftop debris represents a potential hazard.

They also say the testing methodology needs to be more comprehensive than what city officials had required after Sept. 11. The city essentially had recommended landlords rely on polarized-light microscopes to detect asbestos. But the light scopes aren't as sensitive as newer electron microscopes, which the residents have used to find asbestos in areas cleared by light scopes.

Finally, the critics say the EPA's plan to respond mainly to residences seeking more cleanup could be flawed, since neighbors who don't request cleaning could still have asbestos in their homes which could continue to contaminate the building.

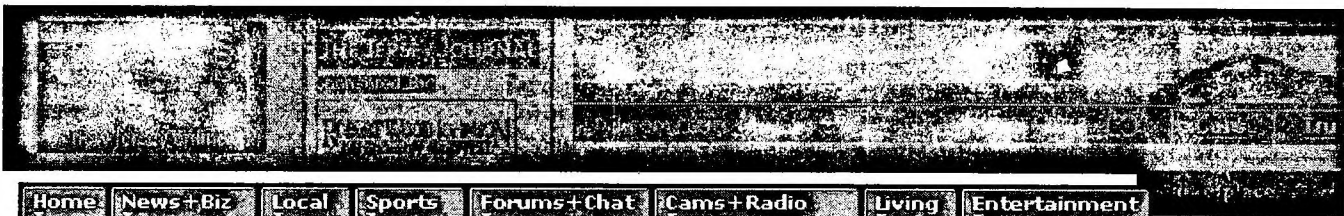
"If this is just a voluntary cleanup, it won't be much of a cleanup," said Cate Jenkins, a senior scientist with the EPA in Washington who has been helping residents pressure the agency into taking a stronger stance over the cleanup.

Still, the move represents a concession by the EPA that the city-led cleanup wasn't working. The city took jurisdiction over indoor cleanup of residences and offices affected by the World Trade Center fallout under a disaster plan coordinated by the Federal Emergency Management Agency. The EPA took responsibility for cleaning and testing outdoor areas under the same plan.

But the setup was criticized almost from the outset. For example, EPA Administrator Christine Todd Whitman drew fire when she asserted only a week after the attacks that the air and water around Ground Zero were safe. Yet tests afterward continued to show asbestos in rooftop debris and other exterior places which testing experts say could provide new sources of contamination. Apartment and condo residents also complained of coughing, wheezing and other irritations, which medical experts have said were likely linked to their exposure to fiberglass and other airborne particulates still inside buildings. Asbestos symptoms take years to develop and can lead to asbestosis and other deadly diseases.

Meanwhile, many residents have complained the city has done little to make sure landlords clean their buildings. Joel Miele, commissioner of New York's Department of Environmental Protection, admitted as much under questioning before a Feb. 11 hearing convened by Democrat Sens. Hillary Rodham Clinton of New York and Joe Lieberman of Connecticut. In response to a question from Sen. Clinton whether he could say every landlord and building had complied with the city's cleanup regulations, Mr. Miele responded, "No, I can't tell you that."

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EPA, city to offer apartment cleaning services downtown

By MICHAEL WEISSENSTEIN
The Associated Press
5/8/02 9:26 AM

NEW YORK (AP) — The Environmental Protection Agency and city Department of Environmental Protection will clean the apartments of Lower Manhattan residents worried about lingering debris from the World Trade Center collapse, an EPA spokeswoman said Wednesday.

"This is really to assuage some remaining concerns from residents in lower Manhattan who continue to have concerns over air in their apartments," spokeswoman Mary Mears said.

Environmental groups and downtown residents have for months expressed concerns that the residents could be inhaling asbestos fibers in the dust from the twin towers. City and federal health and environmental agencies cleaned dust from streets and public spaces after Sept. 11 but have insisted that building interiors remained the responsibility of landlords and residents.

New York's health department has recommended that most residents clean their own apartments with wet rags, mops and high-efficiency vacuum cleaners.

City and federal agencies have moved toward more public involvement in recent months, however. The EPA and city environmental department recently announced that the Federal Emergency Management Agency will pay for abatement specialists in body suits and respirators to scour caked debris from the exteriors of downtown buildings.

In coming weeks, residents concerned about the health effects of dust from the twin towers will be able to call a public hotline and request testing and professional cleaning, Mears said. The hotline has not been set up yet.

City and federal testing have detected asbestos fibers at levels requiring professional cleaning in between 6 and 35 percent of samples of the trade center dust. The carcinogenic material was used as fireproofing in at least 37 floors of the south tower.

No limit has been set for program funding, to be provided by FEMA, and there is no indication of how many residents might take advantage of it, Mears said.

"We don't have a cap on this," she said.

**Remarks of Regional Administrator Jane Kenny
Announcement of Lower Manhattan Apartment Cleanup Plan
Wednesday, May 8, 2002**

Good afternoon. We stand here just a few blocks away from Ground Zero – a reminder that for the people of the agency I represent, along with so many residents of Lower Manhattan, September 11 was a very personal tragedy.

Indeed, while September 11 changed all our lives, this is especially true for those who work, go to school, and live in Lower Manhattan. And for many, the emotions we shared that day were compounded by the literal fallout from the World Trade Center disaster. The debris that shrouded Lower Manhattan made its way onto rooftops and ledges and into apartments and other indoor spaces.

While the scientific data about any immediate health risks from indoor air is reassuring, people should not have to live with uncertainty about their futures. Most residents had their homes cleaned, but many have ongoing concerns about the dust that may still lurk on their floors and window ledges. This cannot continue. No one should have to live with anxiety about the safety of the air in their own homes.

That is why I am joined here today by EPA's partners in federal, state and city government, who have been working together since September 11 and more recently on Governor Whitman's Task Force on Indoor Air. We understand the concerns of Lower Manhattan residents and we know that they are looking to us for reassurance. While we cannot undo the events of September 11, we can provide the assurance that people's homes have been cleaned properly. And we can do so by combining the expertise and resources of our partners.

I am pleased to announce a truly unprecedented effort to assist the people of Lower Manhattan. EPA, the Federal Emergency Management Agency, the Occupational Safety and Health Administration, and the city of New York are launching a comprehensive plan to ensure that all residential units from Canal Street south, river to river, have been properly cleaned.

At each resident's individual request, EPA will use city-certified contractors to clean the apartment and then will follow up by testing for asbestos in the indoor air. Residents who decide they do not want a cleanup can still request that EPA test for asbestos in the indoor air. Again, with the help of FEMA resources, this service will be available to every resident from Canal Street south. We will make every effort to set up a hotline by the end of the month to handle requests.

What's more, knowing that many residents will want to tackle the cleanups themselves, we will distribute detailed guidance and provide HEPA-filter vacuum cleaners to help them. The members of the Task Force are confident that the methods recommended for cleaning – which include wet wiping, wet mopping, and HEPA-filter vacuuming – are effective in minimizing long-term health risks. These methods will also reduce particulates and fiberglass and help bring relief to those who are especially sensitive to these irritants.

2. Cleaning of Debris-Laden Unoccupied, Uncleaned Buildings

Program: NYC will clean the remaining unoccupied (residential and commercial), uncleaned buildings near the WTC site that contain WTC-debris. NYC will work with building owners to determine reasons that these buildings have not been cleaned yet. If building owners are not able to expeditiously clean their property, NYC will proceed.

3. Clean Up of Exteriors of Buildings with Residual Debris/Dust

Objective: To eliminate remaining debris/dust resulting from the WTC collapse on building exteriors in Lower Manhattan thereby assuring this material will not become re-entrained in the air at a future time, thus creating a potential exposure to the public.

Program: NYC DEP will contract for the cleaning of the exteriors of approximately 250 buildings in Lower Manhattan. EPA, NYCDEP and OSHA will oversee contractors.

It's no exaggeration to say that this is a huge and unprecedented task. There are an estimated 15,000 apartments in Lower Manhattan, and so we will have to ask patience as we get our work started. But I can assure you that we will not consider our job complete until residents and the business community of Lower Manhattan have regained a sense of comfort in the place that they call home. The people of this city who have suffered such a tremendous loss certainly deserve to have that peace of mind.

Before I introduce the next speaker, I want to thank everyone on the task force who worked so hard to develop this plan. In particular, I want to acknowledge the leadership of Acting Regional Director Joe Picciano of FEMA; Regional Administrator Patricia Clark of OSHA; Commissioner Erin Crotty of New York State DEC; Ron Tramantano, Director of the Center for Environmental Health at the New York State Department of Health; Mayor Michael Bloomberg; Commissioner Chris Ward of New York City DEP; Commissioner Thomas Frieden of the New York City Department of Health; and John Odermatt, Commissioner of the New York City Office of Emergency Management.

I would also like to recognize the contributions of the many elected officials who have demonstrated their heartfelt concern for their constituents in Lower Manhattan – Senators Hillary Clinton and Charles Schumer, Representatives Jerrold Nadler and Nydia Velazquez, New York State Assembly Speaker Sheldon Silver, and the other representatives of the Ground Zero Elected Officials Task Force. Representative Nadler, City Council Member Jim Gennaro, and Community Planning Board Chair Madelyn Wils are here with us today.

Now I would like to ask Representative Jerrold Nadler to add his perspective on this truly unprecedented initiative.

After Nadler speaks:

Thank you, Congressman Nadler. Our next speaker is Acting Regional Director Joseph Picciano of FEMA.

After Picciano speaks:

Thank you, Joe. Now I would like to turn the podium over to Commissioner Christopher Ward of the New York City Department of Environmental Protection.

After Ward speaks:

Thank you, Chris. We would now be glad to take your questions.

Excerpts from EPA Press Releases downloaded from the EPA Web Site

September 13, 2001

"... At the request of the New York City Department of Health, EPA and the U.S. Department of Labor's Occupational Safety and Health Administration (OSHA) have been on the scene at the World Trade Center monitoring exposure to potentially contaminated dust and debris. Monitoring and sampling conducted on Tuesday and Wednesday have been very reassuring about potential exposure of rescue crews and the public to environmental contaminants..."

...EPA is greatly relieved to have learned that there appears to be no significant levels of asbestos dust in the air in New York City," said Administrator Whitman. "We are working closely with rescue crews to ensure that all appropriate precautions are taken. We will continue to monitor closely..."

September 16, 2001

The U.S. Environmental Protection Agency and the Department of Labor's Occupational Health and Safety Administration today announced that the majority of air and dust samples monitored at the crash site and in lower Manhattan do not indicate levels of concern for asbestos. The new samples confirm previous reports that ambient air quality meets OSHA standards and consequently is not a cause for public concern. New OSHA data also indicates that indoor air quality in downtown buildings will meet standards.

EPA has found variable asbestos levels in bulk debris and dust on the ground, but EPA continues to believe that there is no significant health risk to the general public in the coming days. Appropriate steps are being taken to clean up this dust and debris...

September 18, 2001

..."We are very encouraged that the results from our monitoring of air quality and drinking water conditions in both New York and near the Pentagon show that the public in these areas is not being exposed to excessive levels of asbestos or other harmful substances," Whitman said. "Given the scope of the tragedy from last week, I am glad to reassure the people of New York and Washington, D.C. that their air is safe to breathe and their water is safe to drink," she added....

...At the request of FEMA, EPA has been involved in the cleanup and site monitoring efforts, working closely with the U.S. Coast Guard, the Centers for Disease Control (CDC), the Occupational Safety and Health Administration (OSHA) and state and local organizations...

October 3, 2001

U.S. Environmental Protection Agency (EPA) Administrator Christie Whitman and US Department of Labor Assistant Secretary for Occupational Safety and Health (OSHA) John Henshaw announced today that both federal agencies are providing the public with extensive additional environmental monitoring data from the World Trade Center site and nearby areas in Manhattan, Brooklyn and New Jersey. Both agencies have taken hundreds of samples to monitor environmental conditions since September 11, and have found no evidence of any significant public health hazard to residents, visitors or workers beyond the immediate World Trade Center area...

October 30, 2001

... EPA began its environmental monitoring work on September 11, shortly after the terrorist attacks occurred...

"We continue to closely monitor air quality and other environmental conditions in and around ground zero," said William J. Muszynski, EPA Acting Regional Administrator. "While we have fortunately not found levels of contaminants that pose a significant health risk to the general public, our efforts to monitor the area and keep the public informed of our findings have not waned. We welcome all concerned members of the public to our lower Manhattan offices to review the information we've gathered and to visit our Web site."...

5/2/02

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
ASBESTOS CONTROL PROGRAM**

1. EPA – Direct Assistance Program to Residents and Residential Building Owners

Responsibilities

EPA – Responsible for the Call Center and coordination all activities

NYCDEP – Develop scope of work and manage the contract

FEMA - Funding

A. Award two types of contracts

- a) Clean-up - Multiple Asbestos Contractors
- b) Consultant / Third Party Monitoring Firm

B. Scope of work

- a) Asbestos – Clean up all the surface including floors, walls, tabletops and all other horizontal surfaces. Cleaning refers to wet wipe and HEPA vacuum.
- b) Consultant –
 - I. Responsible for coordinating with EPA and the complainants.
 - II. Monitor the clean-up
 - III. Conduct air monitoring at the end of clean-up activities
 - IV. Conduct background air samples in designated locations outside WTC area for contaminants of concern

C. Process

- a) The concerned citizen calls the EPA hotline
- b) The call center obtains all the information, which includes address, apt#, building owner information, date and time of caller's availability for the clean-up activity, etc. This information is entered in a database and emailed to the consultant at the end of each day.
- c) The consultant staff contacts the complainant and the contractor and sets up time for the clean-up. The consultant also contacts the owner, if applicable, and gets the consent form signed (this needs to be worked out). A minimum of two days notice must be given prior to the clean-up. The database is updated with the clean-up schedules.
- d) At the end of each day the consultant emails the updated information to both EPA and DEP.
- e) Clean-up starts on the specific day and time. The consultant monitors the clean-up activities and conducts the air monitoring. All these activities are carried out in the presence of the complainant or his/her representative for security reasons.
- f) The consultant will email the updated database to EPA and DEP.
- g) The consultant signs off on the clean-up and sends the document to EPA and DEP for payment.

- D. Provide HEPA vacuums to residents who request to perform their own cleaning on an ongoing basis.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
ASBESTOS CONTROL PROGRAM**

EPA – DIRECT ASSISTANCE PROGRAM

Recommended Course of Action

Responsibilities

EPA – Responsible for the Call Center and coordination all activities

NYCDEP – Develop scope of work and manage the contract

FEMA - Funding

1. Award two types of contracts

- a. Clean-up - Multiple Asbestos Contractors
- b. Consultant / Third Party Monitoring Firm

2. Scope of work

- a. Asbestos – Clean up all the surface including floors, walls, tabletops and all other horizontal surfaces. Cleaning refers to wet wipe and HEPA vacuum.
- b. Consultant –
 - I. Responsible for coordinating with EPA and the complainants.
 - II. Monitor the clean-up
 - III. Conduct air monitoring at the end of clean-up activities

3. Process

- a. The concerned citizen calls the EPA hotline
- b. The call center obtains all the information which includes address, apt#, building owner information, date and time of caller's availability for the clean-up activity, etc. This information is entered in a database and emailed to the consultant at the end of each day.
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- g. The consultant signs off on the clean-up and sends the document to EPA and DEP for payment.

First draft- krish 04/29/02

DEPARTMENT OF ENVIRONMENTAL PROTECTION ASBESTOS CONTROL PROGRAM

EPA – DIRECT ASSISTANCE PROGRAM

Recommended Course of Action

Responsibilities

EPA – Responsible for the Call Center and coordination all activities
 NYCDEP – Develop scope of work and manage the contract
 FEMA - Funding

1. **Award two types of contracts**

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- b. Consultant / Third Party Monitoring Firm

2. **Scope of work**

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 - II. Monitor the clean-up
 - III. Conduct air monitoring at the end of clean-up activities
 - IV. *Conduct background Air samples in designated locations outside WTC area for contaminants of concern*

3. **Process**

- a. The concerned citizen calls the EPA hotline
- b. The call center obtains all the information which includes address, apt#, building owner information, date and time of caller's availability for the clean-up activity, etc. This information is entered in a database and emailed to the consultant at the end of each day.
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- g. The consultant signs off on the clean-up and sends the document to EPA and DEP for payment.

First draft- krish 04/29/02

DEPARTMENT OF ENVIRONMENTAL PROTECTION**ASBESTOS CONTROL PROGRAM**

	Unit	Studio	One BR	Two Br	Three Br
Floor Area	sq.ft	400	550	700	850
Wall area	sq.ft	800	938	1058	1166
Cost of cleaning	\$3.50	\$1,400	\$1,925	\$2,450	\$2,975
Total area - floor and walls	sq.ft	1,200	1,488	1,758	2,016
Cost of cleaning including wall & floors		\$4,200	\$5,208	\$6,153	\$7,056
Estimate for cleaning		\$2,000	\$2,500	\$3,000	\$4,000
Actual price/sq.ft		\$1.67	\$1.68	\$1.71	\$1.98

Assumptions

Height of the apt. 10 feet

**Department of Environmental Protection
Asbestos Control Program**

1 Number apartments requested for air monitoring and / or cleaning	250
2 Number of contractors with a crew size of 25 people (crew of 5/apt)	5
3 Target apartments for clean up / day	25
4 Total number of days for clean-up	10
5 Cost of clean-up / apt	\$4,000
6 Cost of asbestos air monitoring /apt	\$1,000
7 Cost of consultant to oversee the clean-up / (three consultants @\$1,000 / day)	\$3,000
8 Total Cost of clean-up	\$1,000,000
9 Total air monitoring cost	\$250,000
10 Total consultant cost	\$30,000
11 TOTAL COST(8+9+10)	\$1,280,000

Note: As of April 23, 2002, since the inception of the Mayor's hot line at OEM we have received 137 requests for clean-up and 113 requests for air testing.

From: Radhakrishnan, Krish
Sent: Thursday, May 02, 2002 12:00 PM
To: Gilsenan, Michael
Cc: Maldonado, Jane 001
Subject: epa direct assistance



epa direct
assistance.doc

DEPARTMENT OF ENVIRONMENTAL PROTECTION ASBESTOS CONTROL PROGRAM

EPA – DIRECT ASSISTANCE PROGRAM

Recommended Course of Action

Responsibilities

EPA – Responsible for the Call Center and coordination all activities

NYCDEP – Develop scope of work and manage the contract

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- g. The consultant signs off on the clean-up and sends the document to EPA and DEP for payment.

First draft- krish 04/29/02

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2

NOV 13 2002

DATE:

SUBJECT: Status Report on Activities under FEMA/EPA Interagency Agreements

FROM: Kathleen Callahan, Assistant Regional Administrator
For New York City Response and Recovery Operations



TO: Braid Gair, Federal Coordinating Officer
Federal Emergency Management Agency

EPA is providing this report consistent with our commitment in the interagency agreements which fund the implementation of programs supporting the World Trade Center Residential Dust Cleanup Program.

We appreciate FEMA's continued support of EPA and New York City joint efforts.

We would be pleased to brief you on the results of the study efforts as they progress or to answer any questions you or your staff may have. You may contact me at 212-637-3116 or have your staff contact Dore Laposta at 212-637-3145.

Attachment

1

Beginning September 12th, DEP has operated a network of outdoor (or “ambient”) fixed air monitors that have been used for monitoring asbestos levels. There are monitors at 37 20 locations as of today. The locations are shown on the map. The map and all sampling results to date from the sites shown on this map are on DEP’s website: www.nyc.gov/dep.

The monitors capture air samples that are tested for the presence of fibrous material such as asbestos. The samples are tested using the PCM method [DEFINE]. The PCM sampling method does not actually show the presence of asbestos; PCM shows the presence of some type of fibrous particle. PCM-tested samples that show more than 0.01 fibers per cubic centimeter are re-tested using the TEM test [DEFINE]. The TEM test shows whether or not the fibers collected in the sample are actually asbestos fibers.

There is no national standard for asbestos in OUTDOOR AIR. There is a national standard for asbestos in indoor air. That standard is 0.01 fibers per cubic centimeter. It was developed to establish what amount of asbestos is considered safe in a confined environment where people live and work, breathing re-circulated air hour after hour. Used as a benchmark for outdoor air, the standard is very conservative. If there were a standard for ambient air, it would be much higher than 0.01.

Based on over three/four/five??? hundred samples tested using PCM, and [HOW MANY] samples tested using TEM, public health experts are very confident that asbestos levels in ambient air outside of the restricted zone do not pose a threat to human health. Short-term exposure to asbestos, even at levels much higher than 0.01, carries an extremely low risk of causing asbestos-related illness.

DEP’s monitors are all outdoor. At this point, there are no stationary monitors in place within buildings. Judging from phone calls, conversations, and comments at community meetings, there are many individuals who are not clear on the division of clean-up and testing responsibilities inside of buildings. I would like to re-state a few basic facts regarding cleanup.

Before allowing occupants in any residential or commercial building near the Ground Zero [MORE SPECIFIC?], the City required building owners to take these steps:

- Assess the building’s structural strength and stability;
- Restore gas and electrical service;
- Restore building water service, including flushing, re-filling and cleaning roof tanks as necessary;
- Assess the presence of hazardous materials such as asbestos, and remediate as required under applicable regulations;
- Inspect, clean and repair mechanical and HVAC systems.

Although city, state and federal agencies have provided oversight and guidance, “indoor tasks” have been and remain the responsibility of building owners and occupants. For

example, many building owners needed to remove asbestos-containing material from areas of the building under their control: exteriors, facades, hallways, foyers, laundry rooms and other public areas. New York City's Asbestos Control Program (ACP) regulations require building owners and managers to use individuals licensed by the City and the New York State Department of Labor as asbestos investigators, asbestos handlers and asbestos workers[WHAT OTHER CATEGORY]. The regulations also require "clearance" air sampling prior to allowing public access to any area that was the site of asbestos-related work. [FOR THE MOST PART? WITH SOME EXCEPTIONS] It was DEP's experience that building owners cleaning up after September 11th followed these regulations. Because the work was done under expedited schedules, in some cases building owners did not submit notifications in advance, as the regulations would normally require. In the vast majority of cases, where DEP observed some work that was improperly or incompletely done, building owners responded to DEP enforcement staff quickly and appropriately. As was the case before September 11th, if any person believes that asbestos is present at a worksite, or at any other site, and is not being properly handled, he or she should call (718) DEP-HELP and we will send an inspector to investigate.

A remaining source of concern for residents in lower Manhattan has been the clean-up within private apartments where building owners do not, generally, have any authority or responsibility to conduct clean-ups. Unlike building owners, who have experience in hiring and supervising contractors with the appropriate qualifications and licenses, apartment-dwellers often lack this professional experience and have, understandably, become confused and frustrated about how to handle this extraordinary situation. In response, my colleagues at the Department of Health developed a factsheet, "Recommendations for People Re-Occupying Commercial Buildings and Residents Re-Entering Their Homes." This fact sheet, along with a few others on related topics, have been distributed very widely throughout lower Manhattan. These fact sheets offer general information on air quality issues as well as practical, "how-to" information on dealing with dust, debris and other potentially hazardous conditions that residents faced as they returned to their homes.

Continuing concern about indoor air quality has prompted a collaboration with the United States Agency for Toxic Substances Disease Registry [IS THAT A NAME] which we will discuss later in the presentation.

Finally, I have a few words concerning the potable water supply and the marine waters that surround the City. I'll discuss the marine waters first.

As a result of the September 11th attacks, DEP and EPA were concerned that rainwater washing off Ground Zero and into the sewers and the harbor would be highly polluted. As Chairman Michels knows, Manhattan's sewers – as well as most City sewers -- are combined sewers, meaning rainwater flooding into the sewers from the streets ends up in the same pipe as the sanitary flow. During a rainstorm, a percentage of this combined flow ends up at a treatment plant, and the remainder of the combined flow is discharged into surrounding waters through outfalls located at the bulkheads. In the case of lower

Manhattan, the combined sewers serving that area lead to a very large pumping station at on East 13th St. From there, the sewage is pumped into a pipe that goes under the East River to Greenpoint, Brooklyn where the sewage is treated at the Newtown Creek wastewater treatment plant.

DEP routinely samples raw sewage going into the Newtown Creek plant, and treated effluent coming out of Newtown Creek, several times a day. We also regularly take samples from open waters at various locations in New York Harbor, including off the Battery. DEP tests these samples for "conventional parameters," such as temperature, pH, dissolved oxygen, suspended solids and coliform. These conventional parameters have remained within their normal range since September 11th.

Using the more sophisticated testing capabilities that EPA has its disposal, beginning September 11th their staff immediately began running tests for "unconventional parameters" on samples of Ground Zero run-off, harbor waters, and sewage. These unconventional parameters include PCB's, dioxin, asbestos and other organic chemicals and contaminants that the City's marine water quality laboratories do not routinely test for. Initial runoff samples taken from Rector Street showed elevated levels of PCB's, dioxin, asbestos and metals. Follow-up samples showed concentrations of these substances below levels of concern. Samples of water taken from the harbor, and samples of effluent from the Newtown Creek plant also show the presence of "unconventional parameters" at levels too low to be of concern.

Finally, let me reassure all New Yorkers that continuous sampling of the drinking water supply at the reservoirs, in the aqueducts, and within the City's distribution system have shown all contaminant levels to be within the normal range, and below levels of concern.



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

WTC

- Exterior inspections performed at 1073 premise addresses
 - 221 premises cleaned by NYCDEP (249 structures: e.g. multiple buildings on one listing)
- 1052 Notices and requests for information sent out to building owners and/or hand delivered during inspections
- 331 Building Owners/Management Agents replied to the notices
 - 152 Owners submitted bulk sample results
 - 190 Owners submitted air test results
 - 114 Owners included in the above figures submitted both air and bulk (Overlap)
 - 73 Owners indicated sampling for other contaminants
 - 137 of the buildings where a response was not received were found to have visible debris and were cleaned by DEP (i.e. did not get a response to data request but did receive a signed License Agreement and performed cleaning) *Eviction*
- Sampling summary
 - ACM bulk samples: 2904 indicated samples were not ACM
 - ACM bulk samples: 212 indicated samples were ACM
 - Asbestos Air Samples: 78,490 PCM samples were < 0.01 f/cc
 - Asbestos Air Samples: 1,034 PCM samples were > 0.01 f/cc
 - Asbestos Air Samples: 42,166 TEM samples were < 70 s/mm²
 - Asbestos Air Samples: 202 TEM samples were > 70 s/mm²
 - Where asbestos abatement was performed and notifications of abatement were received, air sampling by a licensed air-monitoring firm is required by the rules during and after the work. Post abatement samples are provided to the Department upon request of final air sampling data. We do not have all the post abatement data entered into the data summary tables. We received over 50 project notifications, 1/5 were from Con Ed for repairs to services (the sampling would be outdoors if required).

Need asbestos cleanup

WORLD TRADE CENTER FILES

1.

GENERAL REPORTS

- BEC Daily Reports To Commissioner
- DEP OEM Reports
- Air/Asbestos
- Air Monitoring/Lab
- ATSDR, OSHA, NIOSH, NYCDOH, etc.
- Pilot Cleaning
- Background Study
- Advisories/Q&A FAQs

2.

BUILDINGS

- Lists
- Requests for Cleanup – Various
- 114 Liberty
- 25 Cedar
- Independence Plaza
- 66 John/59 Maiden Lane
- Building & Parks Data Inventory

3.

CONTAMINANTS OF CONCERN
 CONTRACTS/CONTRACTORS
 DECLARATIONS OF EMERGENCY
 DEP/BEC ACTIVITIES
 DEP EXTERIOR CLEANUP
 NYC DOH
 LANDFILL
 LETTERS REGARDING WTC
 LETTERS (FORM)
 LICENSE AGREEMENTS
 MAPS
 MEDIA, WEB ARTICLES

4.

EPA INDOOR AIR CLEANING

- HVAC
- Scopes of Work
- WEB site information

FEMA

- Indoor Air Approach Requests
- \$, Matrix, Equipment Requests

5.

MEETINGS

- Task Force
- Indoor Working Group Meetings
- Lower Manhattan
- OEC
- Various (Nadler, community, etc.)

NYC ENVIRONMENTAL LAW & JUSTICE

PACE UNIVERSITY

PICTURES/PRESENTATIONS

PARKS

PRESS CONFERENCES

PRESS RELEASES

REAL ESTATE ROUNDTABLE

RIVERPOINT

SCHOOLS

TIME LINES

VEHICLES

- FUEL

WTC RESEARCH

HOTLINES

- EPA
- Lower Manhattan

Lower Manhattan

Christian Hylton
LEGISLATIVE COUNSEL

Brian,
Here's the DEP issue I
mentioned to you. Would we
have this? DEP? I'll be
in around 11-1130. Thanks.

October 23, 2003

Christopher O. Ward
Commissioner
Department of Environmental Protection
59-17 Junction Blvd.
Brooklyn, New York 11373

- Gary

VIA FAX

Dear Commissioner Ward:

**RE: CORRESPONDENCE BETWEEN DEP AND THE EPA PERTAINING TO
9/11**

In preparation for hearing on the Air Quality in Lower Manhattan to take place in December of this year, the Select Committee on Lower Manhattan Redevelopment, chaired by Council Member Alan Gerson, requests certain documents and/or correspondence you may have pertaining to the events of September 11th.

Specifically we are seeking any guidelines the EPA may have given or provided to the Department of Environmental Protection as guidance and any correspondence pertaining to testing the air quality in lower Manhattan and who would be responsible.

Please direct this letter to the records department or appropriate personnel who would have this information. If you have any questions please do not hesitate to call. Thank you in advance for your cooperation.

Sincerely,

Christian Hylton
Legislative Counsel
Select Committee on Lower Manhattan Redevelopment
New York City Council



U.S. Environmental Protection Agency

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Lower Manhattan Dust Cleanup



Regional Administrator Jane M. Kenny
announcing residential cleanup plan.

Hotline Information

1-877-796-5471

[En Español] EPA's Dust Cleanup Hotline is available to take requests for cleaning and/or testing from the residents of lower Manhattan. Hotline hours are M-F, 10:00am to 8:00pm and S-S, 10:00am to 5:00pm. You can also [sign up for cleaning and testing electronically](#) from this Web site.

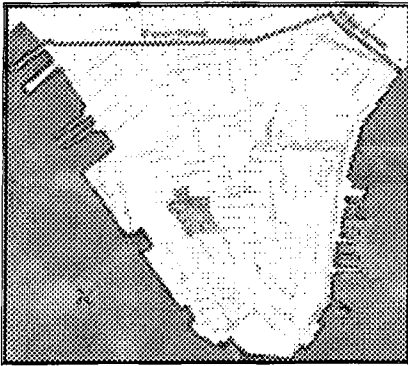
Sign Up Electronically

You can register for cleaning and/or testing by [electronically submitting your request](#) from this Web site.

WTC Email Notification Service

[Sign up](#) to receive email about scheduling updates, news releases, and more.

Target Cleanup Area
(links to larger version)



Contractor Information
Asbestos removal contractors seeking information about the project should contact:

NYCDEP
Asbestos Department
59-17 Junction Blvd.
Flushing, NY 11373

[En Español]**RESIDENTS OF LOWER MANHATTAN:
SIGN UP NOW FOR CLEANUP AND/OR TESTING**

Starting June 1, lower Manhattan residents can request cleaning and/or testing of their homes from the U.S. Environmental Protection Agency (EPA) by logging on to the Agency's World Trade Center Web page at www.epa.gov/wtc or by calling the EPA hotline at **1-877-796-5471**. The launch of the hotline and Web site marks the startup of the comprehensive multi-agency program that was announced in May to ensure that apartments impacted by the collapse of the World Trade Center have been properly cleaned. EPA and its federal, state and city partners are collaborating in this unprecedented effort to provide assurances that people are not being exposed to pollutants related to the World Trade Center collapse at levels that might pose long term health risks.

The cleaning and testing services will be available to lower Manhattan residents who live south of Canal, Allen and Pike Streets. The hotline will be staffed to take cleaning and testing requests between 10 a.m. and 8 p.m., Monday through Friday and between 10 a.m. and 5 p.m. on Saturday and Sunday for about three months starting June 3rd .

Additional cleanup information**Sign up for cleaning and testing****Sign up for WTC Email Notification Service**

EPA SHIFTS FOCUS TO INDOOR AIR

With the recovery efforts at Ground Zero and the Staten Island landfill drawing to an end, EPA has stopped its sampling of pollutants associated with the World Trade Center fires. The Agency will continue to monitor for asbestos related to the debris handling in lower Manhattan and at the Fresh Kills landfill for a week after the recovery work officially ends.

Outdoor sampling has generally shown no presence or very low levels of pollutants in recent months. The fires have been out for months, recovery activities are almost completed, the barge operation is shut

down and our sampling generally shows that air quality in lower Manhattan is back to normal levels experienced prior to September 11.

EPA is now focused on its comprehensive plan to ensure that apartments impacted by the collapse of the World Trade Center have been properly cleaned. EPA and the city will conduct specialized monitoring during the upcoming indoor and outdoor cleanup efforts. Outdoor sampling of fine particles and other pollutants that are needed to evaluate compliance with all federal health-related air quality standards will continue as part of New York's federally-required permanent air monitoring network.

[Monitoring Summaries](#)

[Monitoring Data](#)

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Dust Cleanup and Testing Plan

The U.S. Environmental Protection Agency (EPA) and its federal, state and city partners have developed a comprehensive plan to ensure that residences impacted by the collapse of the World Trade Center have been properly cleaned. The plan -- covering residential units south and west of Canal, Allen and Pike Streets, river to river -- was developed by the multi-agency Task Force on Indoor Air in Lower Manhattan created by EPA Administrator Christie Whitman. All levels of government have come together in this unprecedented effort to provide assurances that people are not being exposed to World Trade Center related pollutants at levels that might pose long-term health risks.

The plan includes:

- upon request, the cleanup of residential units, using certified contractors, with followup testing for asbestos in the indoor air, or;
- testing-only of asbestos in the indoor air;
- reimbursement for HEPA (High Efficiency Particulate Air) filter vacuums;
- distribution of health and cleanup information;
- establishment of a Web page and a hotline to take cleanup and testing requests;
- professional cleanups of remaining unoccupied, uncleaned buildings;
- evaluation of effectiveness of dust cleanup techniques already used, and
- testing to establish what the pre-existing levels of contaminants were for Manhattan residences.

To Make a Request and Obtain Information

World Trade Center Web Site

EPA is continually expanding the range and amount of information available on this site, including all [fact sheets](#), [monitoring data](#), and the provision for residents to request cleaning and/or testing services (see next item).

24/7 Interactive Electronic Sign Up

EPA has created an [interactive request form](#) on this Web site that downtown residents can, at any time, use to submit their requests for cleanup and/or testing. The information needed to fulfill the requests is automatically entered into an electronic database to be used by our scheduling and cleaning contractors. The Web-based form is available in [English](#) and will soon be available in Spanish.

New Hotline

EPA and the New York City Department of Environmental Protection (NYCDEP) have set up a new hotline (**1-877-796-5471**) for downtown residents to call to

submit their requests for cleaning and/or testing. The Agency will widely publicize the hotline number through direct mail, the media and its Web site.

Information taken by hotline operators is automatically entered in the electronic database to be used by our scheduling and cleaning contractors. Operators will be available to take residents' information in English, Spanish and Chinese.

Privacy

Individual information in this database will not be made public. Only aggregate information (number of homes cleaned, etc.) may be made public.

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Cleaning

Occupied Residences in Lower Manhattan

New York City certified asbestos cleanup contractors are being hired (using FEMA funding) for residents living south of Canal, Allen and Pike Streets who wish to have their homes professionally cleaned. These contractors will thoroughly clean apartments, including carpets, upholstery and drapes and unit air conditioners. EPA will conduct followup testing for asbestos in the indoor air after the cleanups are completed. The Agency will assess the testing results using a federal health benchmark or level that assumes a thirty year exposure. This means that if a population of 10,000 people is exposed to a level of asbestos above the benchmark for a period of thirty years, there would be one additional case of cancer beyond what that population would normally expect to experience.

Upon request, the Agency will provide the option of testing-only for residents who do not want their apartments cleaned. If asbestos levels exceed the thirty year health benchmark, these residents may then request a followup cleaning. Cleanup cannot later be requested if testing does not find asbestos levels above the thirty year health benchmark.

Residents (including those whose apartments have been professionally cleaned) who wish to do their own cleaning on an ongoing basis can be reimbursed for the purchase of a HEPA filter vacuum cleaner. These vacuums are recommended for continued cleaning because they are designed to pick up very fine particles including asbestos fibers. Residents who have already been reimbursed for the purchase of a HEPA filter vac will not be reimbursed for a second vacuum.

Unoccupied Buildings in Lower Manhattan

NYCDEP will supervise the cleaning of any impacted buildings that remain unoccupied. Some of these buildings have not been cleaned thoroughly and others have not been cleaned at all. EPA will use one of these unoccupied buildings to test the effectiveness of various cleaning techniques including those recommended by the various government agencies following the collapse of the World Trade Center. Comprehensive sampling will be conducted following regular vacuuming, HEPA vacuuming, and damp wiping and mopping to confirm cleaning effectiveness or refine cleanup techniques based upon sampling results.

Rooftops and Facades

NYCDEP has begun the cleanup of residual dust and debris remaining on rooftops and building facades in Lower Manhattan. DEP has done a building-by-building survey of all buildings in the target area and is working out the last details of gaining access to clean the roof tops and facades of any building with remaining debris. Much of the debris is caked and does not pose an immediate risk, but removing the debris will eliminate the possibility that it may become airborne at some later date and thus get into residences.

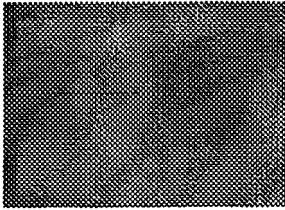
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Background Story

Most if not all of the pollutants associated with the collapse of the World Trade Center were present in New York City's environment prior to September 11. To establish a baseline for the presence of these contaminants in affected residences, EPA will collect and analyze samples to look for some of these pollutants in apartments in parts of Manhattan that were not impacted. The Agency will use the data to determine pre-existing or "background" levels of these pollutants in interior spaces in New York City.

Informing the Public

EPA will provide health and cleanup information to all residents through the hotline (1-877-796-5471) and on the Agency Web site. In addition, the city is developing a database of the results of samples taken indoors and outdoors by federal, state and local agencies as well as building owners and contractors. This database will also be made available to the public.

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Last updated on Tuesday, June 4th, 2002
URL: <http://epa.gov/wtc/dustcleanup/factsheets/plan.html>



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Lower Manhattan Dust Cleanup

Protecting Your Privacy

In order to submit a request for cleanup assistance, you will be required to provide your name, address, phone number and other pertinent information related to the location of your residence and the physical conditions in your residence. This information will be stored in a database and is subject to review by USEPA and New York City government employees and/or contractors under their control having a need to know, for the sole purpose of assessing requestor needs and providing requested services. Your personal identifying information is not cross-referenced with other information sources, will not be shared with other parties outside of those involved in this initiative except as required by law. Any public reporting will be based only on aggregate measures, without referencing names or addresses. You will be able to access your information at all times using your discreet confirmation number plus the last four digits of your Social Security number

Lower Manhattan residents who live south of Canal, Allen and Pike Streets can request cleaning and/or testing from the U.S. Environmental Protection Agency (EPA). They can also be reimbursed up to \$300 by the Federal Emergency Management Agency (FEMA) for the purchase of a HEPA filter vacuum. Requests for these services can be registered via this Web page or by calling EPA's World Trade Center hotline, **1-877-796-5471**. The hotline will be staffed to take cleaning and testing requests between 10am and 8pm, Monday through Friday and between 10am and 5pm on Saturday and Sunday for about three months starting June 3rd .

EPA's hotline contractor will attempt to contact people who have already called EPA to request cleaning or testing, but all affected residents are strongly encouraged to formally register using either the Web or the hotline.

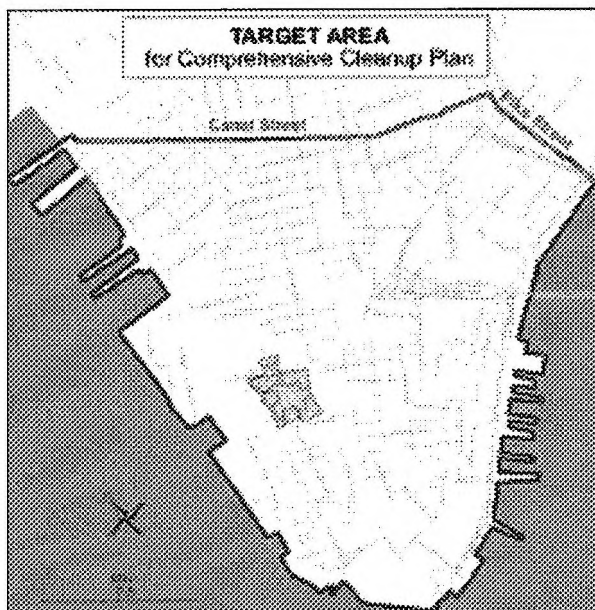
When residents call to register for either cleaning or testing, they will be asked basic questions including how many rooms in their home, how dusty it was following 9/11, how it was cleaned, and if tests were done. Once registered, residents will be given a confirmation number and a privacy code. They can use this number and code to track - on either the Web or through the hotline - the status of their cleanup and/or testing and to check test results once the cleanup and testing are completed. EPA will make every effort coordinate cleanup requests if they come from the same building and the Agency encourages tenant associations to work to coordinate residents' requests.

During the period in which EPA is working out final contracting details on how the cleanup program will be implemented, the Agency will register residents. Information gathered from these residents will be used to gauge the best approach to scheduling cleanups. Scheduling will begin in July.

The hotline will have English, Spanish and Chinese-speaking representatives. Operators will be equipped to answer basic questions on the cleanup program and EPA monitoring activities. Once final details are worked out, EPA will meet with residents and tenant organizations, community and other interested groups to discuss the program.

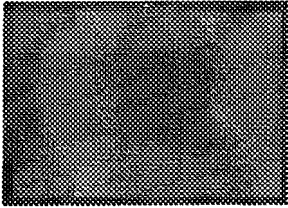
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[View Previous Cleanup Request](#)



EPA WTC Dust Cleanup

<http://www.epa.gov/nyrdust2/dustcleanup/>



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Last updated on Saturday, June 1st, 2002
URL: <http://www.epa.gov/nyrdust2/dustcleanup/>



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Dust Cleanup

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How You Can Help

Frequently Asked Questions

Note: Many details of the full cleaning and testing program are still being developed. As a result, some questions about the procedures for cleaning and testing cannot be answered at this time. As this information becomes available, it will be presented in this FAQs file, as well as in [fact sheets](#) included on this Web site.

We encourage you to sign up for [EPA's WTC Email Notification Service](#), which will send information and updates by email to all subscribers.

If you have questions not addressed here, please send them to us at wtc.region2@epa.gov.

General Questions

- [Who is eligible?](#)
- [How do I sign up?](#)
- [Will the information I give you be held confidential?](#)
- [When will you begin scheduling appointments?](#)
- [How can I check on the status of my request?](#)
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- [Will you clean personal belongings, window treatments, carpets or furniture?](#)
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Testing

- [What will EPA test for?](#)
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- How soon after my home is cleaned will EPA test?
 - What if the results show that there is still asbestos in my air?
 - Were there contaminants in homes before September 11?
- *****

Businesses

- Will EPA be cleaning any commercial properties?
- *****

General Questions

Who is eligible?

All residents of lower Manhattan, living south of Canal, Allen and Pike Streets are eligible on a voluntary basis to have their residences cleaned and/or tested and to be reimbursed up to \$300 for the purchase of a HEPA filter vacuum. Qualifying residents may sign up for these services on EPA's WTC Web site or by calling the WTC hotline at 877-796-5471.

How do I sign up?

EPA has created an [interactive request form](#) that downtown residents can use, at any time of day, to submit their requests for cleanup and/or testing. The information needed to fulfill the requests is automatically entered into an electronic database to be used by our scheduling and cleaning contractors. EPA and the New York City Department of Environmental Protection (NYCDEP) have also set up a new hotline (1-877-796-5471) for downtown residents to call to submit their requests for cleaning and/or testing. Information taken by hotline operators is automatically entered in the electronic database to be used by our scheduling and cleaning contractors. Operators will be available to take residents' information in English, Spanish and Chinese.

Will the information I give you be held confidential?

Individual information collected at the time you make your request as well as test results and any other information entered into our Dust Cleanup Database will not be made public. Only aggregate information (number of homes cleaned, etc.) may be made public. It will be necessary to provide information collected from to our scheduling and cleaning contractors. Residents may access their individual information through our Web site using the discreet confirmation number they receive when they make their requests. To further protect privacy, people will also be asked to provide the last four digits of their social security number to access their individual information.

When will you begin scheduling appointments?

EPA and New York City are working out the details of how scheduling, cleaning and testing will be done. Once the scope of work for the program is final, bids will be taken and contracts let. Residents' requests for cleaning are being taken in the meantime and this information will help EPA determine the scope of work that needs to be done. We currently expect to start scheduling cleaning and/or testing early in July.

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How can I check on the status of my request?

Residents may access their individual information through the [Dust Cleanup Database on our Web site](#) or by calling our Dust Cleanup Hotline (1-877-796-5471). You will be asked for the confirmation number given to you when you make your request. To protect your privacy, you will also be asked to

provide the last four digits of your social security number to access your individual information.

If I opt for testing without cleaning, can I change my mind later and ask to have my residence cleaned?

It depends on the results of the testing. If our testing finds asbestos-in-air levels in your residence to be above our health standard, we will offer to clean your home. However, if you ask for testing without cleaning, and the test results for asbestos-in-air find the levels to be below our health standard, you may not then ask to have your residence cleaned anyway.

Will you clean personal belongings, window treatments, carpets or furniture?

We will clean all hard surfaces including walls, floors and shelves; we will HEPA-filter vacuum rugs, carpets and wall-to-wall carpeting; curtains, drapes and other window treatments, and upholstered furnishings. In dealing with occupied residential spaces that have already been cleaned, we expect that most personal belongings will have already been cleaned.

How long will it take to clean the average apartment?

It will vary, depending on the size and content of the residence. Most residences will be cleaned in two days or less. Testing for asbestos in air will take one additional day.

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Will EPA clean residences outside of lower Manhattan?

This program is currently limited to lower Manhattan residences because data collected to date indicates that the significant impacts from debris, dust and fires occurred in this area. We are continuing to analyze data, including that collected through the dust cleanup program, and will reevaluate as necessary.

How many residences are there in Lower Manhattan and will EPA have enough money to clean them all if asked?

Based upon census data, New York City estimates there are 31,000 homes in lower Manhattan. Working with FEMA, we believe we will be able to fund cleanups for all, if necessary.

How can I best keep informed about this program?

New information is constantly being added to this Web site. We also encourage you to sign up for EPA's WTC Listserv (link to auto-signup feature), which will send information and updates by email to all subscribers.

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Health & Safety

Does the fact that EPA is willing to clean residences mean that you are not confident in the cleaning recommendations (to use wet wipes/mops and HEPA vacuums) made last fall?

We remain confident that the cleanup methods recommended for residences with minimal dust -- wet wiping, wet mopping and using HEPA filter vacuums -- are effective. We are offering professional testing and cleanup services to provide an added level of assurance that residences have been cleaned properly.

The Agency recommends that all residential spaces that have been cleaned, especially those with significant impacts from dust or debris from the collapse, repeat cleaning using wet mops, wet wipes and HEPA vacuums. Porous surfaces,

like carpets and drapes, may still contain some dust that might get released into the air. Exposure occurs when the materials are in the air and inhaled. These followup cleaning methods further reduce the chance of any pollutants that might be present getting into the air.

EPA is conducting two studies that will yield more information in the longer term. A pilot study of various cleaning techniques --wet wiping, wet mopping and using HEPA vacuums -- will be conducted in an unoccupied lower Manhattan building to evaluate the effectiveness of these approaches. The Agency will also study the presence of a list of substances associated with the World Trade Center collapse in residences outside of the impacted area to determine pre-existing levels of these materials.

We do have the results of a study done by the Agency for Toxic Substances and Disease Control (ATSDR) and the NYC Department of Health (NYCDOH). This study tested the air inside residences that were cleaned using the recommended methods. None of this air testing found asbestos above the standard used to clear students for re-entry into schools after an asbestos removal. In a number of the residences, dust samples showed that some low levels of asbestos remained. This is why we continue to recommend ongoing cleaning and why EPA is offering this cleanup and testing program.

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Isn't it too late to offer this cleaning program? Haven't people already been exposed?

The scientific data about any immediate health risks from indoor air is reassuring and we do not have an emergency health situation in lower Manhattan. For most of the World Trade Center related compounds, exposure must occur at elevated levels over a long period of time to present a long-term health risk. That is true for asbestos, for which health effects most often occur when exposure is to relatively high levels over a long period of time. Even if people have not cleaned using recommended methods, leading medical experts believe that the risk of getting sick from exposure to asbestos from the WTC collapse is very small. According to Dr. Stephen Levin, medical director of the Mt. Sinai School of Medicine's Center for Occupational Health and Environmental Medicine, "It's not a zero increase in risk, but it's not a magnitude of risk that I think people ought to be terrorized by ..."

The cleanups and testing that EPA and the city are now offering will help reduce any further exposures. In the meantime, EPA will continue to evaluate and confirm the effectiveness of cleanup techniques and determine whether there are compounds other than asbestos that may pose potential risks in the long term.

How high is the risk from exposure to asbestos, fiberglass and other hazardous materials in my lower Manhattan home?

Independent health experts have characterized the risks from developing asbestos-related diseases as very low. The ATSDR/NYCDOH study did not find asbestos present in the air in any of the residences they tested. However, the presence of asbestos and fibrous glass in the dust in some tested residences raises the possibility that this material could be redistributed in the indoor air. While EPA does not believe that residents are currently facing significant health risks from World Trade Center dust in indoor spaces, we do think that the best way to reduce this risk even further is to remove residual dust from people's homes.

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Testing

What will EPA test for?

The EPA will test for asbestos in the indoor air after the cleanups are completed (and in residences where people want testing without cleaning). The Agency will assess the testing results using a federal health benchmark or level that assumes a thirty year exposure. This means that if a population of 10,000 people is exposed to a level of asbestos above the benchmark for a period of thirty years, there could be one additional case of cancer beyond what that population would normally expect to experience.

Will you test for dioxin and lead and substances other than asbestos?

We will test for asbestos in air. This is the substance of greatest concern, and air is the pathway of exposure. By cleaning up the dust, many other substances will also be removed. Our scientists will continue their evaluation of a list of other substances associated with the WTC collapse. The list includes asbestos, fibrous glass, dioxin, lead and other substances. These scientists and technical experts are evaluating whether there is reason to be concerned about other compounds in indoor environments. If they conclude that substances other than asbestos might pose a significant risk, the scientists will determine if any refinement to cleanup guidance is needed. The list and any proposed benchmarks for substances on the list will be peer reviewed by independent scientists.

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How soon after my home is cleaned will EPA test?

EPA will test on the following day.

What if the results show that there is still asbestos in my air?

The unit will be re-cleaned and the air will be tested again. We would continue this process until the air monitoring meets the 30-year health standard.

Were there contaminants in homes before September 11?

Most if not all of the pollutants associated with the collapse of the World Trade Center were present in New York City's environment prior to September 11th. To establish a baseline for the presence of these contaminants in affected residences, EPA will collect and analyze samples to look for some of these pollutants in residences in parts of Manhattan that were not impacted. The Agency will use the data to determine pre-existing or "background" levels of these pollutants in interior spaces in New York City.

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Businesses

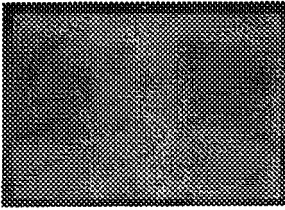
Will the agencies be cleaning any commercial properties?

For the most part, the voluntary cleaning program recently announced by EPA, does not include businesses. The focus is on people's homes, where they spend the most amount of time. New York City, however, will be cleaning a small number of commercial spaces in unoccupied, uncleaned buildings and will also be cleaning building roofs and facades to prevent any dust or debris from re-entering interior spaces. The removal of the residual dust from building exteriors makes sense now that the recovery efforts at Ground Zero are officially complete. There is financial assistance available to small businesses through the Small Business Administration.

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EPA Response to 9-11: Frequently Asked Questions

<http://www.epa.gov/wtc/questions/index.html>



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Last updated on Monday, June 3rd, 2002
URL: <http://www.epa.gov/wtc/questions/index.html>

Early Test Results Show Asbestos-Free Apartments

Preliminary results from the Environmental Protection Agency's (EPA) indoor cleanup program reveal that for the majority of Lower Manhattan apartments cleaned and tested by the agency thus far, very little asbestos contamination from World Trade Center dust has been found.

EPA officials announced that for 246 of 255 apartments cleaned and tested through October 17, all results for asbestos testing were below the EPA clearance level, and only three apartments tested showed any results above EPA clearance levels. The clearance level set by the EPA for asbestos is 0.0009 fibers per cubic centimeter. According to the agency's Web site, that means "if 10,000 people are exposed to this level of asbestos for 30 years, there may be one more case of cancer than if the group had not been exposed at all."

While encouraged by initial findings, EPA officials stress that testing is still in the very early stages. "What we have now are the results from a few hundred residences out of thousands," said Richard Stapleton, an EPA spokesperson. To date, only 255 apartments of almost 6,000 registered for the program have been cleaned and tested. Of those registered, 4,790 have requested cleaning and testing of their apartments, and another 1,146 have requested only testing.

The EPA has decided to make all results available to the public as soon as possible. "We are putting the data up so everyone can follow along with us as we learn," said Stapleton. The first test results were announced at a press conference on October 22, and aggregate test results will be updated weekly on the EPA website http://www.epa.gov/factsheets/clean_test_results.htm. Test results for individual residents will be provided only to residents of the affected units.

The testing process itself could continue to evolve as more apartments are tested and as more results become known. Surprisingly, the greatest challenge faced by the EPA so far in the indoor cleanup project has been scheduling the cleanup itself. "Given the outcry for assistance, we were prepared for a deluge of calls from residents saying, 'I want to be first,'" said Stapleton. Instead, contractors have struggled to set up testing for those who have requested it, finding people too busy to commit to appointment times. In some cases, contractors have arrived for scheduled cleanups only to find no one home. "It never occurred to us that we would be in the situation of having contractors sitting idle because they can't schedule appointments," said Stapleton. In an attempt to streamline the process, officials are developing new policies regarding scheduling and cancellation, and expect to post them on the EPA website <https://nyrpub.epa.gov/NYRDUST2/dustcleanup/form.html> by week's end.

Lower Manhattan residents who have yet to register for testing are strongly encouraged to do so. According to EPA estimates, the 6,000 registered apartments represent only about a quarter of more than 20,000 eligible residences within the testing area. For

residents south of Pike and Canal Streets who have not applied, requests will be accepted until December 28, 2002 via the EPA website
<<https://nyrpub.epa.gov/NYRDUST2/dustcleanup/form.html>>, or by calling the EPA's WTC hotline at (877) 796-5471.

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Interagency Agreement Indoor Air Quality/Interior Cleaning of Residences

I. Purpose

The U. S. Environmental Protection Agency (EPA) will develop, manage and implement a program to address the concerns of residents in Lower Manhattan regarding the impacts of the World Trade Center (WTC) collapse on indoor air quality. This program will include the offering of indoor sampling and interior cleaning of apartments in a specific area of Lower Manhattan. EPA will provide oversight and management of cleanup and sampling contractors to insure that activities are done as specified and to the satisfaction of the public. An extensive Community Outreach Program will also be implemented. All requests and information obtained during the implementation of this program will be managed through the development and maintenance of a comprehensive database.

II. Authority

FEMA and EPA have entered into this Agreement pursuant to the Robert T. Stafford Disaster Relief and Emergency Assistance Act ("Stafford Act"), 42 U.S.C. §§5121 et seq.; Executive Order 12148, as amended, and 44 C.F.R. Part 206. The EPA shall provide oversight to cleaning and sampling contractors to insure residences are satisfactorily cleaned to an acceptable standard.

III. Scope of Work

EPA, through close coordination with FEMA and state and city partners, will implement a program to sample and clean residences in a specific area of Lower Manhattan. Those residential spaces located south and/or west of Canal, Allen and Pike Streets will be eligible for cleaning and sampling. It is estimated that up to 31,000 residences are located in this area.

Support for the cleaning and sampling of residences and the operation of a Hotline for residents to request cleaning and sampling is being provided through contractors hired by New York City. Contract language will enable EPA staff to manage and direct these contractors. EPA will also be responsible for the management of all data generated during implementation of this program, develop and maintain a website with frequent updates on its progress and implementation of an extensive community outreach program which will be essential to the program's success.

A risk assessment will be conducted using data generated from this program, the background study and the residential cleaning study. Risk assessment is a key part of three interrelated components of the indoor clean-up program. It will be used in the pilot cleaning program to evaluate potential hazards associated with various cleaning methods. Risk assessment methods are used to evaluate the pre-cleaning wipe samples as well as post cleaning air samples in the main residential remediation program. It is also a critical part of the background study in that clearance levels for apartments are a function of both risk-based and background levels.

Oversight and management of sampling and cleanup activities will be accomplished through the use of EPA employees, the US Coast Guard and EPA contractors. Those providing oversight must be familiar with contract language and the specific work activities that will be performed in each residential space. In addition to utilizing checklists of items completed, photo documentation will also be obtained. The areas in which residences will be eligible for assistance will be divided into quadrants in an effort to maximize program management and responsiveness to the residents.

Specific elements of the program are as follows:

A. Hotline Application and Webhosting - Design, maintain and update a website to provide the public with up to date information on the progress of program activities. Develop a web-based application for the Hotline staff to collect information from residents in Lower Manhattan requesting sampling and/or cleaning of their living spaces.

B. Indoor Air Communications, Strategy and Outreach - Develop and implement a community outreach program that will include a host of activities including direct mailings to residents, press releases, issuance of website bulletins, distribution of fact sheets, public meetings and other media publications to inform the public of activities connected with the sampling and cleaning program. Maintain Hotline capable of receiving and recording information provided residents requesting interior sampling and/or cleaning. Distribute results of cleaning activities to residents.

C. Database Management System - Develop and implement a database capable of maintaining information received through the Hotline or Hotline website along with data captured during cleaning, sampling and monitoring activities which will also include photo documentation.

D. Cleaning Oversight Activities - Provide oversight of ongoing cleaning and sampling activities. Oversight will be in the form of performing routine inspections of these activities and working with New York City monitoring and scheduling contractors. Provide photo documentation as necessary. EPA will also provide oversight support for NYC's exterior building cleaning project.

E. Analytical Services - Provide analytical services for all samples collected during the duration of this program. Post-cleaning sampling will be conducted at all residences for asbestos. In addition, 5% of the residences cleaned (not to exceed 50 per quadrant), pre- and post-sampling will be conducted for target analyte list metals plus mercury.

F. Data Validation - Perform data validation of all data generated during this program.

G. Data/Risk Assessment - Provide analytical results from all activities to risk assessors for evaluation and followup. The National Academy of Medicine will participate in this activity.

H. Summary Reporting - Compile, review and evaluate all information collected and prepare a summary report of all results. The report will include a narrative description of the program and the results achieved. The report will be made available hard copy and electronically.

IV. Terms and Conditions

A. EPA shall:

Ensure that this Agreement is carried out in accordance with the approved Scope of Work, established protocols, costs, and time limitations, except where EPA and FEMA agree otherwise. Apply proper financial principles, policies, regulations, and management controls to ensure full accountability for the expenditure of Disaster Relief Funds.

Track and monitor obligations and disbursements.

Track accountable property that will revert to FEMA upon completion of the project.**

Submit bills quarterly. EPA will provide billing information to FEMA which will include expended costs by major budget object classes (e.g., payroll, travel, contracts, IAG costs, equipment purchases, etc.) and will maintain supporting documentation for these expenditures in accordance with FEMA requirements. EPA will comply with "Doing Business with FEMA," found at www.fema.gov/ofm.*

Ensure that all requests for reimbursement cite the following:

Disaster number—FEMA-1391-DR-NY

Interagency Agreement Number—

Project Title—Indoor Air Quality/Interior Cleaning of Residences

Submit an interim progress report by December 31, 2002 to the FEMA Project Officer regarding the status of the project (e.g. description of the work completed to date and expected completion date of the project, preliminary findings, complex issues encountered).

Submit bimonthly financial reports, including the status of the obligation amount, total obligations against that amount, and projected expenditures.

Reconcile financial and programmatic records with FEMA on an ongoing basis. (Appropriate deobligations may be necessary).

Record any reimbursement from FEMA for goods and services furnished under the provisions of the Stafford Act, to the appropriation used to cover the expenditure.

Identify a staff-level point of contact for financial coordination with FEMA Acquisition Resource Management and a headquarters-level point of contact for billing and reimbursement issues that cannot be solved at the staff level. Include address, telephone numbers, and email addresses.

Identify a Project/Action Officer. Include address, telephone number, and email address.

EPA Project Officer:

Dennis Santella
US Environmental Protection Agency
290 Broadway
New York, NY 10007
212-637-3746
santella.dennis@epa.gov

Submit a final project report to FEMA detailing EPA's findings and conclusions no later than April 30, 2004.

Submit final bill(s) to FEMA no later than 60 days after the expiration of this Agreement. If EPA is unable to provide a final billing 60 days after the conclusion of this project period, EPA will notify FEMA of estimated future billing costs and the anticipated time of the final billing.

14. EPA shall provide to FEMA an accounting of payroll costs expended prior to the effective date of this agreement which will include employee names, regular and premium hours worked on this agreement, and total payroll costs and benefit amounts paid these employees. In addition, EPA will provide to FEMA other pre-award costs necessary to begin the operations detailed in this agreement. This accounting will be provided to FEMA within 60 days of the effective date of this agreement and FEMA agrees to reimburse EPA for these planning costs.

15. Submit requests for reimbursement to: Financial and Acquisition Management Division, Disaster Finance Center, Federal Emergency Management Agency, P.O. Box 800, Berryville, VA 22611.

B. FEMA shall:

Ensure that this Agreement is carried out in accordance with the approved Scope of Work, costs, and time limitations. Apply proper financial principles, policies, regulations, and management controls to ensure full accountability for the expenditure of Disaster Relief Funds.

Track and monitor obligations and disbursements against the Disaster Relief Fund.
Track accountable property which will revert to FEMA upon completion of the project.**

Reconcile financial and programmatic records with EPA on an ongoing basis.

Review all bills submitted by EPA. (Appropriate deobligations may be necessary). A charge back will be initiated for disapproved IPAC costs and charges.

Identify a staff-level point of contact for financial coordination with FEMA Acquisition Resource Management and a headquarters-level point of contact for billing and reimbursement issues that cannot be solved at the staff level. Include address, telephone numbers, and email addresses.

C. All documents supporting reimbursements received from this Interagency Agreement shall be retained for six years and three months after final payment, in accordance with National Archives and Records Administration financial records management guidelines.

V. Work Plan Schedule

With exception to the final report, all elements of the program which are presented in Section III above will be conducted simultaneously. With EPA being responsible for working with and management of contractors, the scheduling of this work will be consistent with the period of performance specified in the contracts between NYC and the cleaning and sampling contractors. Based on our review of these contracts, work will be performed for 18 months from the time the contracts are awarded. Contracts will be awarded in June 2003 and be active until they terminate in December 2003. The preparation of the final report is expected to require 2 months to complete, thereby resulting in an IAG completion date of February 2004.

VI. Estimated Cost Breakdown

Assumptions: Due to the uncertainty in how responsive the public will be in requesting sampling and cleaning, this cost estimate will be based on the following assumptions.

Total residential spaces in area eligible for cleaning and sampling: 31,000

A. 50% of residences request cleaning: 15,500

B. of the 15,500 that are cleaned, all need to be sampled

C. of the 15,500 that are cleaned, 10% require re-cleaning: 1550

D. of the 1,550 that need to be re-cleaned, all need to be re-sampled: 1,550

E. 10% of residence request sampling: 3,100

F. of the 3,100 that request sampling, 50% need cleaning: 1,550

G. of the 1550 that need to be cleaned, all need to be re-sampled: 1,550

H. of the 1,550 re-sampled 10% require re-cleaning: 155

I. of the 155 re-cleaned, all require re-sampling: 155

Total residences to be cleaned (A+C+F+H) = 18,755

Total residences to be sampled(B+D+E+G+I) =21,855

Cleaning will be conducted over an 18 month period. An average of 256 residences will be cleaned per week. Cleaning will be conducted from 8:00 am to 6:00 pm daily, seven day per week. The cleaning and sampling of a residential space is estimated to require 3 days to complete. Sampling will require 10- 12 hours, which includes the setup and breakdown of equipment.

EPA Salaries and Travel

EPA Salary Costs

\$ 2,953,600

Position	Grade	Hourly Loaded Rate	Hours	Total Payroll
Project Managers	GS-15	\$79.04	850	\$67,184
Project Managers	GS-14	\$67.20	6,470	\$434,784
OSCs and Technical Staff	GS-13	\$56.81	30,520	\$1,733,841
Admin Staff	GS-12	\$48.00	470	\$22,560
Support Staff	GS-9	\$30.40	240	\$7,296
Clerical Staff	GS-5	\$19.89	3,600	\$71,604
Overtime		\$34.26	17,990	\$616,337
Totals				\$2,953,607

EPA Travel Costs

\$3,600/week for 4 OSCs x 72 weeks	\$ 259,200
Local Commuting Costs for Staff	\$ 25,000
New York Academy of Medicine Meeting Travel	\$ 6,000
Headquarters Staff Travel	\$ 10,000
Management Staff Travel	\$ 20,000

Total EPA Salary & Travel**\$ 3,273,800****Contractor Costs**

Data Management

Hosting Web Application	\$ 100,000
Application Software Development and Database Management	\$ 400,000

Community Relations printing, media advertisements, and graphics

\$ 75,000

Removal Support Team Contractor

4 people @ 84hrs/week for 72 weeks @ \$66/hr =

\$ 1,596,672

Per Diem & Lodging
 4 people @ \$254/day for 72 weeks
 7,112/week x 72 weeks = \$ 512,064

U.S. Coast Guard Interagency Agreement
 10 people @ 84hrs/week for 72 weeks @ \$40/hr = \$ 2,419,200

Per diem & Lodging
 10 people @ 254/day for 72 weeks = \$ 1,280,160

Laboratory Contracts

Asbestos Sampling
 21,855 Residences x 5 samples/location = 109,275 samples
 + 10% QA = 120,202 samples
 120,202 samples @ \$100/sample \$ 12,020,200

TAL Metals and Mercury Sampling (pre- and post- cleaning)
 200 residences x 6 samples/location = 1200 samples
 + 10% QA = 1320 samples
 1320 samples @ \$300/sample \$ 396,000

Data Validation Contract
 Asbestos Sampling
 120,202 samples @ \$20/sample \$ 2,404,040
 TAL Metals and Mercury Sampling
 1320 samples @ \$40/sample \$ 52,800

Total Validation Costs \$ 2,456,840

Total Contractor Cost **\$ 21,256,100**

Equipment & Supplies

Laptop Computers (2) \$3500	\$ 7,000
Desktop Computers (2) \$1500	\$ 3,000
Docking Stations (6) \$395/setup	\$ 2,370
Printers (2) laserjet @ 499/item	\$ 1,000
Digital Cameras (6) \$800/camera \$155 accessories	\$ 5,730
CamCorders (6) \$609/camera, \$155 accessories	\$ 4,584
Tripods (6) \$100/tripod	\$ 600
Nextel phones and Service 10 phones at \$65/month for 18 months	\$ 11,700
Car rental-GSA 3 Vehicles - Mid size wagon or equivalent \$236/month x 5 vehicles for 18 months	\$ 12,800
Personal Protective Equipment 27,216 changeouts x \$ 15 (tyvek booties and cartridges)	\$408,240

Total Equipment & Supply Cost **\$ 457,000**

Total IAG Costs **\$ 24,986,900**

VII. Overhead Costs

Based on previously negotiated rates.

VIII. Funding

FEMA agrees to fund the project at a cost not to exceed \$24,986,900.

IX. Period of Performance

The period of performance for this Interagency Agreement shall begin on the date both Agencies agree to this IAG and conclude on January 30, 2004.

* Pursuant to 44 C.F.R. § 206.8, regular labor for permanent Federal agency personnel (e.g. personnel whose Federal agency has received an appropriation from Congress or employees who backfill for employees working on the project that is the subject of this Agreement), and overhead costs are not eligible for reimbursement, except when the costs incurred would normally be paid from a trust, revolving, or other fund. For the latter exception, EPA's Financial Manager must submit a written certification that the overhead costs and costs for regular labor are paid from a trust, revolving, or other fund. If regular time is allowed, it should be identified separately from overtime labor on the invoice by description.

** When FEMA pays for the purchase of equipment under an Interagency Agreement or Mission Assignment, the equipment normally belongs to FEMA and must be fully accounted for after the project is completed.

Gilsenan, Michael (ex)

From: Maddaloni.Mark@epamail.epa.gov
Sent: Thursday, May 16, 2002 5:29 PM
To: thurston@env.med.nyu.edu; plk3@columbia.edu; rps1@columbia.edu; stephen.levin@mssm.edu; plioy@eohsi.rutgers.edu; bruce.lanphear@chmcc.org; rlc07@health.state.ny.us; jleight@health.nyc.gov; michaelgi@dep.nyc.gov
Cc: Callahan.Kathy@epamail.epa.gov; LaPosta.Dore@epamail.epa.gov; Maltais.Nancy@epamail.epa.gov; Kenny.Jane@epamail.epa.gov; Muszynski.William@epamail.epa.gov; Cancro.Anthony@epamail.epa.gov
Subject: Peer Consultation of EPA Plan to Clean Residences in Lower Manhattan

Esteemed Colleagues,

Thank you very much for agreeing to review the EPA-lead multiagency initiative to clean residences in Lower Manhattan. The meeting is scheduled for Tuesday (5/21) from 11 am - 1 pm and will be held in the director's conference room on the 25th floor of EPA's office at 290 Broadway. For those of you that will participate by phone a call in number will be forthcoming in a follow-up E mail. The agenda will include an overview of the residential clean-up plan, identification of contaminants of potential concern and associated health-based benchmark values, the background sampling plan and pilot study to test the effectiveness of recommended cleaning methods. Thanks again and see you all on Tuesday. Regards.

Mark A. Maddaloni Dr.P.H., DABT
 U.S. EPA
 290 Broadway
 New York, NY 10007
 P (212) 637-3765
 F (212) 637-3771
 Email maddaloni.mark@epa.gov

Update to Comm
7/12/02

1. EPA is waiting to hear from Washington for further direction as per the EPA talking point memo (sent Thursday under separate cover).
2. Scopes seem to be closer to completion; that is, no more significant changes. DEP will review on Monday to correct discrepancies between air scope and cleanup scope.
 - a) DEP and FEMA Legal Departments want to review final scopes before contracting process starts.
 - b) Changes made to scope over the last week include:
 - Requiring ceiling and walls to be included in common space cleanup.
 - Residents will now have the option of having impermeable walls and floors wet wiped.
 - Materials that cannot be effectively cleaned as identified by EPA, may be disposed of (as ACM waste) with authorization of the owner.
 - The addition of wipe samples for dioxin, total metals and mercury up to a max of 50 units.
 - Requiring air samples to be taken in common areas after cleanup.
 - Personal air monitoring turn around time within 24 hours of collection (OSHA wanted this).
3. These additions added to the cost of the matrix. FEMA staff has been notified verbally of the matrix change and DEP will send out the revised matrix by end of the day. Total dollar difference is _____.
4. NYS Attorney General's Office met with EPA and expressed concerns regarding lead (actually lead paint) in people's apartments. Additionally, they believe that all cleanups have to be treated as minor asbestos projects and thus DEP/DOL regulations apply. This is not our view or EPA's. I have forwarded all the relevant materials to Russell Pecunies with a copy to Mark Hoffer. EPA's Legal Department is speaking to the Attorney General's Office.
5. EPA's pilot cleaning project being conducted at 110 Liberty Street expects to be completed by the first week in August. No sample results are available, however, the project manager seems happy with the progress so far. The results will be more telling.
6. We are still drafting the bid sheets for the scopes. Air monitoring is completed and cleaning still undergoing modifications. Once finalized, they will be reviewed by Contracts.
7. EPA is meeting with the Red Cross today to finalize the agreement regarding relocation of tenants.

SEP-05-2002 15:02 FROM DEP LEGAL

TO 4422

P.02/06

REQUEST FORM FOR WORLD TRADE CENTER INDOOR DUST CLEANING PROGRAM

Name of Resident

Address

Apartment Number:

New York, New York _____

Telephone Numbers:

Home

Work

REQUEST

I have read the fact sheet on the World Trade Center Indoor Dust Cleaning Program ("Program") and considered the information provided to me by the U.S. Environmental Protection Agency ("EPA"). Having considered the cleaning and monitoring offered, I would like to participate in the following cleaning and monitoring alternatives under the Program.

Initial one of the following:

I request dust cleaning of the residence identified above ("Residence") and monitoring after the cleaning.

OR

I request monitoring of the Residence.

Initial one of the following:

I request "modified aggressive" air sampling.

OR

I request "aggressive" air sampling.

AGREEMENT

In consideration of the benefits of the Program, on behalf of myself and any other occupants of the Residence, I agree to the following:

I consent to employees, authorized representatives and contractors of the EPA and contractors of the New York City Department of Environmental Protection ("NYCDEP") having access to the Residence

-3-

I understand that I, or my authorized representative, may be present and observe the Scope A cleaning and monitoring activities being performed in the Residence if I choose "modified aggressive" air sampling of the Residence. I understand that if I choose "aggressive" air sampling of the Residence, I may only be present for the cleaning, but not for the "aggressive" air sampling. Following "aggressive" air sampling of the Residence, I understand that neither I nor the occupants of the Residence will be allowed to return to the Residence until 48 hours after the beginning of "aggressive" air sampling. I, or my authorized representative, agree to comply with health and safety instructions for activities in the Residence under the Program.

I agree that insurance payments and/or any other compensation which I received, or will receive in the future, for activities covered by the Program at the Residence, and which I have not spent for such purposes, will be paid to the NYCDEP. Instructions for such reimbursement will be provided upon request to EPA.

SAMPLING APPROACH

I understand that if I choose "aggressive" air sampling of the Residence, an electric-powered leaf blower will be used to direct air onto all surfaces and personal property, and one or more oscillating fans will be used to circulate air throughout the areas being sampled.

I understand that if I choose "modified aggressive" air sampling of the Residence, one or more oscillating fans will be used to circulate air throughout the areas being sampled.

I understand that the air will pass through a filter and be sampled. I also understand that wipe samples of surfaces may be collected and analyzed.

I understand that at the conclusion of the investigation, EPA will provide the undersigned with the results of the monitoring of the Residence. Monitoring data in EPA's data base for the Program will be made available to the public, but the identity of the participants will be kept confidential.

AUTHORIZED SIGNATURE

I certify that I am authorized to make this request on behalf of all the occupants of the Residence.

Signature

Date

Name and Title (PRINT)

SEP-05-2002 15:03 FROM DEP LEGAL

TO 4422

P.06/06

-2-

I understand that the Program activities will require access, among other things, to the common areas and heating, ventilation and air condition systems ("HVAC"), the interior spaces, storage areas, elevators, and furnishings such as carpeting and upholstered furniture in the common areas of the Building, and use of the Building's electricity and water. Cleaning activities will be performed, as necessary, throughout the entire Building and for the HVAC system.

I understand that the Program will employ various methods of dust removal from all surfaces, including, but not limited to, vacuuming, steam cleaning and wet wiping.

I understand that I, or my authorized representative, may be present and observe the Scope A cleaning and monitoring activities being performed in the Building.

I agree that insurance payments and/or any other compensation which was received for the Building, or will be received in the future, for activities covered by the Program for the Building, and which has not been spent for such purposes, will be paid to the NYCDEP. Instructions for such reimbursement will be provided upon request to EPA.

SAMPLING RESULTS

I understand that at the conclusion of the investigation, EPA will provide the undersigned with the results of the monitoring of the common areas of the Building.

AUTHORIZED SIGNATURE

I certify that I am authorized to make this request for the Building.

Signature

Date

Name and Title (PRINT)

TOTAL P.06
TOTAL P.06

REQUEST FORM FOR WORLD TRADE CENTER INDOOR DUST CLEANING PROGRAM

Name of Authorized Building Representative

Address

New York, New York _____

Telephone Number:

REQUEST

As authorized representative for the Building, I have read the fact sheets (Cleaning and Testing Fact Sheet, Common Area and HVAC) on the World Trade Center Indoor Dust Cleaning Program ("Program") and considered the information provided to me by the U.S. Environmental Protection Agency ("EPA"). Having considered the cleaning and monitoring offered, the Building would like to participate in the following cleaning and monitoring alternatives under the Program.

Initial one of the following:

I request dust cleaning of the Building identified above and monitoring after the cleaning.

OR

I request monitoring of the Building.

AGREEMENT

I consent to employees, authorized representatives and contractors of the EPA and contractors of the New York City Department of Environmental Protection ("NYCDEP") having access to the Building and the personal property in the Building, for as long as necessary to conduct dust cleaning and monitoring activities. I understand that these activities are to be performed in accordance with the roles of EPA and NYCDEP under the Federal Response Plan and the authority of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. § 5121 et seq.

I agree to inform the Project Monitor at the scheduling meeting of any building rules that are applicable to the Program, including, for example, time restrictions, appropriate entrances to the building, and elevator usage. I agree to notify the Project Monitor as early as possible, but no later than three business days, before the scheduled date for the work in the Building, if it is necessary to cancel the date for the cleaning and monitoring activities.

I understand that the cleaning and monitoring will be performed by contractors retained by NYCDEP. I also understand that the contractors performing cleaning and monitoring activities are required to maintain insurance coverage for commercial general liability, workers compensation, employee dishonesty and environmental impairment liability related to this work. The contractors are required to maintain such insurance at all times that they are conducting cleaning and monitoring activities in the Building. The contractors are responsible for damage or loss of property.

SEP-05-2002 15:11 FROM DEP LEGAL

TO 4422

P.01/06



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

230 BROADWAY, 17th Floor
NEW YORK, NEW YORK 10007-1888

To: Frank Schiano

Phone: _____

Fax: _____

From: Beverly Kolenberg

Office: U.S. Environmental Protection Agency, Region II
Office of Regional Counsel
NY/Caribbean Superfund Branch

Phone: 212-637-3167

Fax: (212) 637-3104 Confirmation: (212) 637-3090

Date: Sept 5, 2002

Re: Form

Pages: 6 (Including cover sheet)

Message:

Virginia Smyth 4422

*I have a call into EPA concerning handling
of claims as there is no mention of it
in this document.*

FS

DEPARTMENT OF ENVIRONMENTAL PROTECTION

59-17 Junction Boulevard
Corona, NY 11368

Bureau of Legal Affairs

DATE: August 6, 2002

TO: Virginia Smyth

FAX NO.: 4422

FROM: Frank Schiano

FAX NO.: (718)595-6543

TELE. NO.: (718)595-6555

OF PAGES INCLUDING COVER SHEET 5

COMMENTS:

REQUEST FORM FOR WORLD TRADE CENTER INDOOR DUST CLEANING PROGRAM

Name of Authorized Building Representative

Address

New York, New York _____

Telephone Number:

REQUEST

As authorized representative for the Building, I have read the fact sheets (*Cleaning and Testing Fact Sheet, Common Area and HVAC*) on the World Trade Center Indoor Dust Cleaning Program ("Program") and considered the information provided to me by the U.S. Environmental Protection Agency ("EPA"). Having considered the cleaning and monitoring offered, the Building would like to participate in the following cleaning and monitoring alternatives under the Program.

Initial one of the following:

I request dust cleaning of the Building identified above and monitoring after the cleaning.

OR

I request monitoring of the Building.

AGREEMENT

I consent to employees, authorized representatives and contractors of the EPA and the New York City Department of Environmental Protection ("NYCDEP") and contractors for NYCDEP having access to the Building and the personal property in the Building, for as long as necessary to conduct dust cleaning and monitoring activities. I understand that these activities are to be performed in accordance with the roles of EPA and NYCDEP under the Federal Response Plan and the authority of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. § 5121 et seq.

I agree to inform EPA or its representatives or NYCDEP's contractor during the scheduling meeting with the Project Monitor of any building rules that are applicable to the Program, including, for example, time restrictions, appropriate entrances to the building, and elevator usage. I agree to notify EPA and the contractors retained by NYCDEP as early as possible, but no later than three business days, before the scheduled date for the work in the Building, if it is necessary to cancel the date for the cleaning and monitoring activities.

I understand that the cleaning and monitoring will be performed by contractors retained by NYCDEP. I also understand that the contractors performing cleaning and monitoring activities are required to maintain insurance coverage for commercial general liability, workers compensation and environmental impairment liability related to this work, and that they are also bonded to cover loss by theft or destruction of property. The contractors are required to maintain such insurance at all times that they are conducting cleaning and monitoring activities in the Building.

-2-

I understand that the Program activities will require access, among other things, to the common areas and heating, ventilation and air condition systems ("HVAC"), the interior spaces, storage areas, elevators, and furnishings such as carpeting and upholstered furniture in the common areas of the Building. Cleaning activities will be performed, as necessary, throughout the entire Building and for the HVAC system.

I understand that the Program will employ various methods of dust removal from all surfaces, including, but not limited to, vacuuming, steam cleaning and wet wiping.

I understand that I, or my authorized representative, may be present and observe the Scope A cleaning and monitoring activities being performed in the Building.

I agree that insurance payments and/or any other compensation which was received for the Building, or will be received in the future, for activities covered by the Program for the Building, and which has not been spent for such purposes, will be paid to the Federal Emergency Management Agency. Instructions for such reimbursement will be provided upon request to EPA.

SAMPLING RESULTS

I understand that at the conclusion of the investigation, EPA will provide the undersigned with the results of the monitoring of the Building. Monitoring data in EPA's data base for the Program will be made available to the public, but the identity of the participants will be kept confidential.

AUTHORIZED SIGNATURE

I certify that I am authorized to make this request for the Building.

Signature

Date

Name and Title (PRINT)

REQUEST FORM FOR WORLD TRADE CENTER INDOOR DUST CLEANING PROGRAM

Name of Resident

Address

Apartment Number:

New York, New York _____

Telephone Numbers:

Home

Work

REQUEST

I have read the fact sheet on the World Trade Center Indoor Dust Cleaning Program ("Program") and considered the information provided to me by the U.S. Environmental Protection Agency ("EPA"). Having considered the cleaning and monitoring offered, I would like to participate in the following cleaning and monitoring alternatives under the Program.

Initial one of the following:

I request dust cleaning of the residence identified above ("Residence") and monitoring after the cleaning.

OR

I request monitoring of the Residence.

Initial one of the following:

I request "modified aggressive" air sampling.

OR

I request "aggressive" air sampling.

AGREEMENT

In consideration of the benefits of the Program, on behalf of myself and any other occupants of the Residence, I agree to the following:

I consent to employees, authorized representatives and contractors of the EPA and the New York City Department of Environmental Protection ("NYCDEP") and contractors for NYCDEP having

-2-

access to the Residence and the personal property in the Residence, for as long as necessary to conduct dust cleaning and monitoring activities. I understand that these activities are to be performed in accordance with the roles of EPA and NYCDEP under the Federal Response Plan and the authority of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. § 5121 et seq.

I agree to obtain any required permission for cleaning and monitoring activities from my building management if such permission has not been obtained by NYCDEP's contractors prior to the commencement of work in the Residence under the Program. I also agree to inform EPA or its representatives or NYCDEP's contractor at least one business day prior to the scheduled work of any building rules that are applicable to the Program, including, for example, time restrictions, appropriate entrances to the building, and elevator usage.

I agree to notify EPA and the contractors retained by NYCDEP as early as possible, but no later than one business day, before the scheduled date for the work in the Residence, if it is necessary to cancel the date for the cleaning and monitoring activities.

I agree to use best efforts to ensure the safety and security of fragile and valuable objects, including but not limited to jewelry, silver, fine china, decorative objects and art works located in the Residence. Such efforts will include, but not be limited to the following: Prior to the date scheduled for commencement of cleaning and monitoring, I agree to remove valuable and/or fragile objects from the Residence and/or to secure them in sealed containers for protection. I agree to identify with specificity to EPA and/or the contractors retained by NYCDEP any valuable or fragile objects that cannot be moved or secured, or that require special handling, prior to the commencement of the cleaning and monitoring in order to make provision for their safety and security. Such identification shall be in writing and shall state the estimated value of all the objects listed.

I understand that the cleaning and monitoring will be performed by contractors retained by NYCDEP. I also understand that the contractors performing cleaning and monitoring activities are required to maintain insurance coverage for commercial general liability, workers compensation and environmental impairment liability related to this work, and that they are also bonded to cover loss by theft or destruction of property. The contractors are required to maintain such insurance at all times that they are conducting cleaning and monitoring activities in the Residence.

I understand that the Program activities will require access to all the interior spaces, surfaces and personal property within the Residence. Cleaning activities will be performed throughout the entire Residence, including but not limited to the living room, bedroom(s), bathroom(s), dining areas and kitchen, as well as inside closets.

I understand that the Program will employ various methods of dust removal from all surfaces, including, but not limited to, vacuuming, steam cleaning and wet wiping. The cleaning will address areas and items such as walls and wall hangings, floors and floors coverings, draperies and window treatments, furniture, windows, air conditioning/heating units and appliances. The cleaning will also address surfaces of smaller items such as lamps, books and decorative items, but will not include clothing.

-3-

I understand that I, or my authorized representative, may be present and observe the Scope A cleaning and monitoring activities being performed in the Residence if I choose "modified aggressive" air sampling of the Residence. I understand that if I choose "aggressive" air sampling of the Residence, I may only be present for the cleaning, but not for the "aggressive" air sampling. Following "aggressive" air sampling of the Residence, I understand that neither I nor the occupants of the Residence will be allowed to return to the Residence until 48 hours after the beginning of "aggressive" air sampling. I, or my authorized representative, agree to comply with health and safety instructions that may be provided by EPA and/or NYCDEP's contractors for activities in the Residence under the Program.

I agree that insurance payments and/or any other compensation which I received, or will receive in the future, for activities covered by the Program at the Residence, and which I have not spent for such purposes, will be paid to the Federal Emergency Management Agency. Instructions for such reimbursement will be provided upon request to EPA.

SAMPLING APPROACH

I understand that if I choose "aggressive" air sampling of the Residence, an electric-powered leaf blower will be used to direct air onto all surfaces and personal property, and one or more oscillating fans will be used to circulate air throughout the areas being sampled.

I understand that if I choose "modified aggressive" air sampling of the Residence, one or more oscillating fans will be used to circulate air throughout the areas being sampled.

I understand that the air will pass through a filter and be sampled. I also understand that wipe samples of surfaces may be collected and analyzed.

I understand that at the conclusion of the investigation, EPA will provide the undersigned with the results of the monitoring of the Residence. Monitoring data in EPA's data base for the Program will be made available to the public, but the identity of the participants will be kept confidential.

AUTHORIZED SIGNATURE

I certify that I am authorized to make this request on behalf of all the occupants of the Residence.

Signature

Date

Name and Title (PRINT)

JUN-21-2002 15:35

FROM DEP LEGAL

TO 3744

P.02/05



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

230 BROADWAY, 17th Floor

NEW YORK, NEW YORK 10007-1266

To:

Frank Scheano

Phone:

Fax:

From:

Beverly Kalenberg

Office:

U.S. Environmental Protection Agency, Region II
Office of Regional Counsel
NY/Caribbean Superfund Branch

Phone:

(212) 637-3167

Fax:

(212) 637-3104

Confirmation:

(212) 637-3090

Date:

June 21, 2002

Re:

Form for Access

Pages:

4 (including cover sheet)

Message:

Please call me with
comments. Thank you.

Beverly Kalenberg

10 3744
DRAFT

6/21/02

P.03/05

REQUEST FORM FOR INDOOR AIR RESIDENTIAL ASSISTANCE PROGRAM

Name of Resident

Address

Apartment Number:

New York, New York _____

Telephone Numbers:

Home

Work

REQUESTInitial one of the following:

I request dust cleaning of the residence identified above ("Residence") and monitoring afterwards to confirm that asbestos is not present above cleanup levels.

OR

I request monitoring of the Residence.

Initial one of the following:

I request "aggressive" air sampling, as described below.

OR

I request "modified aggressive" air sampling, as described below.

AGREEMENT

In consideration of the benefits of the Indoor Air Residential Assistance Program, on behalf of myself and any other occupants of the Residence, I agree to the following:

I consent to employees and authorized representatives of the United States Environmental Protection Agency ("EPA") and the New York City Department of Environmental Protection ("NYCDEP") and contractors for NYCDEP having access to the Residence and the personal property in the Residence, as necessary, to conduct dust cleaning and monitoring activities. I understand that these activities are to be performed in accordance with the roles of EPA and NYCDEP under the Federal Response Plan and the authority of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. § 5121 et seq.

-2-

I agree to obtain any required permission for cleaning and monitoring activities from my building management if such permission has not been obtained by NYCDEP's contractors prior to the commencement of work in the Residence under the Indoor Air Residential Assistance Program. I also agree to inform EPA or its representatives or NYCDEP's contractor at least one business day prior to the scheduled work of any building rules that are applicable to the Indoor Air Residential Assistance Program, including, for example, time restrictions, appropriate entrances to the building, and elevator usage.

I agree to notify EPA and the contractors retained by NYCDEP as early as possible, but no later than one business day, before the scheduled date for the work in the Residence, if it is necessary to cancel the date for the cleaning and monitoring activities.

I agree to use best efforts to ensure the safety and security of jewelry, silver, fine china, decorative objects, art works and fragile objects in the Residence. Such efforts will include, but not be limited to the following: Prior to the date scheduled for commencement of cleaning and monitoring, I agree to remove valuable and/or fragile objects from the Residence and/or to secure them in sealed containers for protection. I agree to identify with specificity to EPA and/or the contractors retained by NYCDEP any valuable or fragile objects that cannot be moved or secured, or that require special handling, prior to the commencement of the cleaning and monitoring in order to make provision for their safety and security.

I understand that the cleaning and monitoring will be performed by contractors retained by NYCDEP. I also understand that the contractors performing cleaning and monitoring activities are required to maintain insurance coverage for commercial general liability, workers compensation and environmental impairment liability related to this work, and that they are also bonded to cover loss by theft or destruction of property. The contractors are required to maintain such insurance at all times that they are conducting cleaning and monitoring activities in the Residence.

I understand that the Indoor Air Residential Assistance Program activities will require access to all the interior spaces, surfaces and personal property within the Residence. Cleaning and monitoring activities will be performed throughout the entire Residence, including but not limited to the living room, bedroom(s), bathroom(s), dining areas and kitchen, as well as inside closets.

I understand that the Indoor Air Residential Assistance Program will employ various methods of dust removal from all surfaces, including, but not limited to, vacuuming and wet wiping cleaning techniques. The cleaning will address areas and items such as walls and wall hangings, floors and floors coverings, draperies and window treatments, furniture, windows, air conditioning/heating units and appliances. The cleaning will also address surfaces of smaller items such as lamps, books and decorative items but will not include clothing.

I understand that I, or my authorized representative, may be present and observe the cleaning and monitoring activities being performed in the Residence if I choose "modified aggressive" air sampling of the Residence. I understand that if I choose "aggressive" air sampling of the Residence, I may only be present for the cleaning, but not for the "aggressive" air sampling. I, or

-3-

my authorized representative, agree to comply with health and safety instructions that may be provided by EPA and/or NYCDEP's contractors for activities in the Residence under the Indoor Air Residential Assistance Program.

I agree that insurance payments and/or any other compensation which I received, or will receive in the future, for activities covered by the Indoor Air Residential Assistance Program at the Residence, and which I have not spent for such purposes, will be paid to the Federal Emergency Management Agency. Instructions for such reimbursement will be provided upon request to EPA.

SAMPLING APPROACH

I understand that if I choose "aggressive" air sampling of the Residence, an electric-powered leaf blower will be used to direct air onto all surfaces and personal property, along with fans to circulate air throughout the areas being sampled.

I understand that if I choose "modified aggressive" air sampling of the Residence, fans will be used to circulate air throughout the areas that will subsequently be sampled.

I understand that the air will then be directed through a filter and sampled. I also understand that wipe samples of surfaces may be collected and analyzed.

I understand that at the conclusion of the investigation, EPA will provide the undersigned with the results of the monitoring of the Residence. Individual information in EPA's data base for the Indoor Air Residential Assistance Program will not be made public.

AUTHORIZED SIGNATURE

I certify that I am the owner or tenant of the Residence, and I am authorized to make this request on behalf of all the occupants of the Residence.

Dated:

Signature

Name (PRINT)

TOTAL P.04

TOTAL P.05

2/3/03

Approach for Identifying Candidates for Residential Cancellation Policy - Priorities

1. Residents in buildings where we have completed all common space activity (including HVAC evaluation - w/ no impact) or where none was requested.
2. Residents in buildings where common space cleaning is underway and where there was not any HVAC work requested.
3. Residents in buildings where HVAC evaluation is underway or report is pending and common space cleaning is completed.
4. Residents in buildings where HVAC cleaning is needed and common space cleaning is still needed.

Start with
with P&S
At have
Now
to follow
Right relative

need no
no contract

Approach for Identifying Candidates for Building Cancellation Policy

1. Buildings where we do not have access agreements for common space cleaning, testing or HVAC evaluations.
2. Buildings where common space cleaning is completed and HVAC cleaning is still needed.

Start with

	Good evaluation Eval	to be Done	to be cleaned	Need HVAC Access Agreement
A	19	26	1	
B	20	4 20	11	
C	18	28	8 (6)	
D	9	10		
	68			

to be
Done

to be cleaned

Need HVAC
Access Agreement

Draft

Get into info pkg. not how final

Scheduling and Cancellation Policies for the Indoor Air Residential Assistance Program

In order to make efficient use of the contractors performing work for EPA's Indoor Air Residential Assistance Program, the following are several cancellation policies.

NOTE: All calls regarding scheduling and/or rescheduling must be made to the monitoring contractor. Do not call the hotline.

1. **Cancellation with 24 hours notice:** If a resident cancels a scheduled appointment for cleaning or testing with 24 hours notice, the resident will have two weeks to schedule a new date with the contractor. The contractor representative will inform the resident of this policy when the resident calls to cancel. If the resident does not reschedule within two weeks, the resident will be removed from the program.*

2. **Cancellation without 24 hours notice:** If a resident cancels a scheduled appointment for cleaning or testing without 24 hours notice, the resident will have two weeks to schedule a new date with the contractor. The contractor representative will inform the resident of this policy when the resident calls to cancel. In addition, the resident will receive a warning notice from the contractor. This notice will include the date the resident cancelled, the language from the access agreement on cancellations, and a date by which the resident needs to contact the contractor to reschedule. If the resident does not reschedule within two weeks, the resident will be removed from the program.* If the contractor cannot gain access to the residence at the scheduled time (e.g. no one home), this will be considered a cancellation without notice.

3. **Resident cancels twice:** If a resident cancels appointments twice, the resident will be automatically removed from the program and will not be allowed to re-register.*

4. **Contractor cannot make contact:** The contractor will make four attempts within a two-week period to contact the resident to schedule a date for cleaning or testing. If the contractor cannot reach the resident after the fourth attempt, the contractor will send a letter stating the dates attempts were made to contact the resident and the resident will have two weeks to contact the contractor. If the resident does not contact the contractor within this time period, they will be removed from the program.*

5. **Contractor makes contact, but cannot schedule a date:** If the contractor is unable to schedule a date for cleaning or testing during the initial contact, the resident will be given two weeks to call the monitoring contractor to schedule and appointment. If after one week, the resident has not contacted the contractor to schedule an appointment, the contractor will make a follow-up call to inform the resident an appointment needs to be scheduled within one week. If the resident does not call to schedule an appointment within this time period, they will be removed from the program.*

* If extraordinary circumstances cause a resident to be removed from the program, that resident can call and discuss the issue with Benjamin Barry at 212-637-3651.



Dear Participant,

The scheduling contractor for EPA's Indoor Air Residential Assistance Program has attempted to contact you on (DATE), (DATE), (DATE), and (DATE).

You have two weeks to contact the contractor, (INSERT CONTRACTOR NAME), at (INSERT CONTRACTOR CONTACT INFO HERE) to schedule an appointment. If you do not contact the contractor within the next two weeks, you will be removed from the program..

For more information on EPA's Indoor Air Residential Assistance Program, you can visit our Web site at www.epa.gov/wtc or call our hotline at 1-877-796-5471.



Dear Participant,

On **(DATE)** you cancelled an appointment for cleaning or testing without proper notice. As it states in EPA's access agreement that you signed,

I agree to notify the Project Monitor as early as possible, but no later than **one business day**, before the scheduled date for the work in the Residence, if it is necessary to cancel the date for the cleaning and monitoring activities.

You have until **(DATE 2 weeks from originally scheduled date)** to reschedule. If you do not reschedule or cancel a second time, you will be removed from the program and not allowed to re-register.

For more information on EPA's cancellation policies, please visit EPA's Web site at www.epa.gov/wtc.

Monitoring Contractor Phone Log

Resident Name: _____

Address: _____

Apt. Number: _____

Daytime Phone: _____

Evening Phone: _____

Date	Phone Number	Action

Scheduling and Cancellation Policies for the Indoor Air Residential Assistance Program

In order to make efficient use of the contractors performing work for EPA's Indoor Air Residential Assistance Program, the following cancellation policies have been adopted:

NOTE: All calls regarding scheduling and/or rescheduling must be made to the Monitoring Contractor. Please do not call the hotline.

1. **Cancellation with 24 hours notice:** If a resident cancels a scheduled appointment for cleaning or testing with 24 hours notice, the resident will have two weeks to contact the Monitoring Contractor to schedule a new date. The Monitoring Contractor will inform the resident of this policy when the resident calls to cancel. Please note, the resident should reschedule as soon as possible. If the resident does not reschedule within two weeks, the resident will be removed from the program.*

2. **Cancellation without 24 hours notice:** If a resident cancels a scheduled appointment for cleaning or testing without 24 hours notice, the resident will have two weeks to contact the Monitoring Contractor to schedule a new date. The Monitoring Contractor will inform the resident of this policy if the resident calls to cancel. In addition, the resident will receive a notice from the Monitoring Contractor. This notice will include the date the resident cancelled, the language from the access agreement on cancellations, and a date by which the resident is required to contact the Monitoring Contractor to reschedule. If the resident does not reschedule within two weeks, the resident will be removed from the program.* **If the Cleaning Contractor cannot gain access to the residence at the scheduled time (e.g., no one home), the situation will be considered a cancellation without notice. A note will be slipped under the resident's door stating the appointment was cancelled and providing information for rescheduling.**

3. **Resident cancels twice:** If a resident cancels cleaning or monitoring appointments twice, the resident will be automatically removed from the program and will not be allowed to re-register.*

4. **Monitoring Contractor cannot make contact:** The Monitoring Contractor will make four attempts within a two-week period to contact the resident to schedule a date for cleaning or testing. If the Monitoring Contractor cannot reach the resident after the fourth attempt, the Monitoring Contractor will send a letter stating the dates attempts were made to contact the resident. The resident will have two weeks to contact the Monitoring Contractor. If the resident does not contact the Monitoring Contractor within this time period, the resident will be removed from the program.*

5. **Monitoring Contractor makes contact, but cannot schedule a date:** If the Monitoring Contractor is unable to schedule a date for cleaning or testing during the initial contact, the resident will be given two weeks to call the Monitoring Contractor to schedule an appointment. If after one week, the resident has not contacted the Monitoring Contractor to schedule an appointment, the Monitoring Contractor will make a follow-up call to inform the resident an appointment has to be scheduled within one week. If the resident does not call to schedule an appointment within this time period, the resident will be removed from the program.*

* If extraordinary circumstances cause a resident to be removed from the program, that resident can call and discuss the issue with Benjamin Barry of EPA at 212-637-3651.

Need a stricter policy ⇒ if we want to pay contractor
is

Subject: [epa-wtc] Cancellation Policy
From: Barry.Benjamin@epamail.epa.gov
Date: Tue, 26 Nov 2002 15:51:09 -0500
To: "EPA-WTC" <epa-wtc@lists.epa.gov>
CC: Barry.Benjamin@epamail.epa.gov

Scheduling and Cancellation Policies for the Indoor Air Residential Assistance Program

In order to make efficient use of the contractors performing work for EPA's Indoor Air Residential Assistance Program, the following cancellation policies have been adopted:

NOTE: All calls regarding scheduling and/or rescheduling must be made to the Monitoring Contractor. Please do not call the hotline.

1. Cancellation without 24 hours notice: If a resident cancels a scheduled appointment for cleaning or testing without 24 hours notice or if the Cleaning Contractor cannot gain access to the residence at the scheduled time (e.g., no one home), the situation will be considered a cancellation without notice and the resident will no longer be eligible for the program. A note will be slipped under the resident's door stating the appointment was cancelled with a copy of the cancellation policy. In addition, the Monitoring Contractor will inform the resident of this policy if the resident calls to cancel.*

2. Cancellation with 24 hours notice: If a resident cancels a scheduled appointment for cleaning or testing with 24 hours notice, the resident will have two weeks to contact the Monitoring Contractor to schedule a new date. The Monitoring Contractor will inform the resident of this policy when the resident calls to cancel. Please note, the resident should reschedule as soon as possible. If the resident does not reschedule within two weeks, the resident will be removed from the program.*

3. Monitoring Contractor cannot make contact: The Monitoring Contractor will make four attempts within a two-week period to contact the resident to schedule a date for cleaning or testing. If the Monitoring Contractor cannot reach the resident after the fourth attempt, the Monitoring Contractor will send a letter stating the dates attempts were made to contact the resident. The resident will have two weeks to contact the Monitoring Contractor. If the resident does not contact the Monitoring Contractor within this time period, the resident will be removed from the program.*

4. Monitoring Contractor makes contact, but cannot schedule a date: If the Monitoring Contractor is unable to schedule a date for cleaning or testing during the initial contact, the resident will be given two weeks to call the Monitoring Contractor to schedule an appointment. If after one week, the resident has not contacted the Monitoring Contractor to schedule an appointment, the Monitoring Contractor will make a follow-up call to inform the resident an appointment has to be scheduled within one week. If the resident does not call to schedule an appointment within this time period, the resident will be removed from the program.*

* If extraordinary circumstances cause a resident to be removed from the program, that resident can call and discuss the issue with Benjamin Barry of EPA at 212-637-3651.

For more information, please visit EPA's Web site at http://www.epa.gov/wtc/cancellations_policy.htm

You are currently subscribed to epa-wtc as: VIRGINIA@NYSNET.NET

To unsubscribe, send a blank email to leave-epa-wtc-36803Y@lists.epa.gov

OR:

Use the listserver's web interface at https://lists.epa.gov/cgi-bin/lyris.pl to
manage your
subscription.

For problems with this list, contact epa-wtc-Owner@lists.epa.gov

Avaltroni, Robert

From: Callahan.Kathy@epamail.epa.gov
Sent: Friday, December 06, 2002 2:02 PM
To: Robert Avaltroni (E-mail)
Cc: Callahan.Kathy@epamail.epa.gov
Subject: FW: Residential Cleaning and Testing Program - Cancellation Polic y



bob, we did change the cancellation policy to make it more stringent. we have distributed it to the contractors. we did not change it to make it applicable "since inception of the program". to do so would require additional detailed follow up, for example, tracking down the situations where this had occurred and contacting the contractors and residents who might be involved, perhaps even calling people who had been rescheduled and telling them that we had a more stringent policy and now they were no longer eligible. this has potential for adverse public reaction (we never told the public they would be eliminated from the program until the new policy) as well as consuming resources on a now small universe of residents. we never discussed a retroactive application, either between us, or the day we met with fema.

if you have thoughts on this, i would appreciate your sharing them with me. i did not get back to brad gair because, given the issues we have been dealing with in the last week, i felt this one did not warrant top priority. we did, timely, change the policy. it is the retroactive part that i have a concern with. but let me know what you think. if you agree with me that retroactive application is not appropriate, perhaps you can tell brad gair.

call if you have questions. thanks. kathy

Kathleen C. Callahan
 212-637-3116
 212-637-3115 (fax)

Bob,

As you will recall, I raised the Cancellation Policy issue at our meeting with EPA a few weeks ago. I sent Kathy Callahan the email (below) for follow-up, but I have not received a response. Can you confirm for me that we have now formally adopted a Cancellation Policy that provides for efficiently dropping applicants who do are not home for or cancel their initial appointments.

I am convinced that implementing a stronger Cancellation Policy is essential to expeditiously completing the program and maximizing use of our available federal assistance.

I hope that you share this position and thought that perhaps NYC DEP and EPA have already resolved this issue.

Please advise.

Brad Gair
 FEMA
 WTC Federal Recovery Office
 646.746.1888 (office)

917.842.7947 (mobile)

-----Original Message-----

From: Gair, Brad

Sent: Saturday, November 30, 2002 3:27 PM

To: Kathy Callahan (E-mail)

Cc: Picciano, Joe; Melnick, Walter

Subject: Residential Cleaning and Testing Program - Cancellation Policy

Importance: High

Kathy,

Since our last meeting, I have not heard anything about how you are implementing the Cancellation Policy in conjunction with the Residential Cleaning and Testing Program. As we discussed, it is unfair to expect the contractors to bear the financial burden of missed appointments unless we are going to enforce a strict Cancellation Policy. I hope that by now, we have dropped all applicants who have missed more than one appointment since the inception of the program. This is absolutely essential in order to focus available resources on those applicants who actually want the service.

Please advise.

Brad Gair

FEMA WTC

646.746.1888 (office)

917.842.7947 (mobile)

(See attached file: C.DTF)

Avaltroni, Robert

From: Callahan.Kathy@epamail.epa.gov
Sent: Monday, December 09, 2002 4:13 PM
To: Avaltroni, Robert
Subject: Re: Cancellation Policy and Edelman draft



125 Cedar.doc

Bob,

First, the press release on 125 cedar is quite good. Real progress indeed, with a fine quote from Assemblyman Silver. There are a few minor edits I'd like to suggest and will have Bonnie Bellow or Mary Mears get in touch with Edelman to note them (for example, while EPA was integrally involved in overseeing the work with DEP, defining the scope for the analytical sampling put in the contract, reviewing the sample results, working with the laboratories to correct and advise DEP sampling results versus benchmarks which enabled the building reoccupancy to begin, EPA did not "test"(- minor wording--easily corrected.)

Second, on the retroactivity of the cancellation policy, I will discuss with my staff what it will take to track these situations down. While I am surprised that you did not acknowledge the concerns I raised regarding retroactive implementation, you share FEMA's concern clearly. I will let you know our options on dealing with the issue as soon as possible.

Finally, though, I do not understand your comments that retroactively applying the cancellation policy will help us "as discussed...bring the program to conclusion." The cancellation policy does not impede our progress. The cancellation policy now in place reduces the timeframes of delay to minor.

Since August 22 EPA has overseen the cleaning and testing of 800 apartments and the testing of 250 . We have focused our efforts on residents who have requested cleaning and/or testing in buildings where there was no request made to have the building's Heating Ventilation Air Conditions systems evaluated and cleaned as necessary or common spaces.

But since the project monitors subcontractors began the inspection and evaluations of HVACs, EPA and DEP have spent weeks discussing how to move ahead on clearing HVAC systems so that work in residential units may progress. We've had an additional HVAC expert from DEP go out in the field, we've discussed a number of possible refinements to the checklist, we are now are pushing to get building owners to submit documentation of what they have done. Yet we still do not have a firm plan on how we will move ahead. We are reaching a standstill on work in Quadrant D, where Battery Park City is located along with other buildings, and we are impeded in other quadrants.

In fact there is confusion among agencies. FEMA has expressed its opinion that "Our (EPA and FEMA) existing intragency agreement does not authorize the EPA to perform any work in conjunction with HVAC systems. We are looking to NYC DEP to take the lead in evaluating needs relating to HVAC systems in residential buildings through our Public Assistance Program. Please continue to coordinate through DEP and plan your work accordingly." This runs counter to the expectations that EPA has regarding our cooperative implementation of the cleanup program. To date the clear expectation has been that EPA's staff would oversee the HVAC evaluation and cleanup activities, as conducted by NYC contractors.

Clearing up the uncertainties with the HVAC issue is the major impediment to moving this program to conclusion.

At this point I believe we should schedule a meeting with Jane Kenny and Chris Word to identify the issues surrounding the next steps related to HVACs and our options for addressing them. We all want to successfully conclude this monumental effort for the benefit of the citizens of lower Manhattan, concurrent with the extraordinary efforts to restore and revitalize the area. It has been a proud service our agencies have done to date, but we need high level focus to move through the last critical decision point and enable swift completion.

I will ask Jane's executive assistant to contact Chris' office to set up a time next week.

In the meantime we will continue to work with you to secure all reports from the project monitoring contractors where HVAC evaluations have been completed, send copies to DEP of all reports which identify system cleanup needs, review any reports you send us from the building owners, have our staffs consult where reports are received and compared from our contractors & building owners to determine if we can move ahead, update the inventory of whole building requests with the most accurate information we can, so DEP can use this in cost projections and contractor performance negotiations, and revise the HVAC checklist and develop instruction package for the contractors.

Kathy

Kathleen C. Callahan
212-637-3116
212-637-3115 (fax)

"Avaltroni,
Robert"
<ravaltroni@dep.
nyc.gov>

To: Kathy Callahan/R2/USEPA/US@EPA
cc:
Subject: Cancellation Policy and Edelman draft

12/06/2002 03:00
PM

Kathy,

I read Brad's e-mail concerning our Cancellation Policy. It is imperative that we enforce the written Cancellation Policy from the inception of the program. We have been responsive to the public and as discussed need to bring the program to conclusion.

Also, please find the draft of Edelman's publication on 125 Cedar Street which is very favorable to our efforts. We have turned a major corner by getting a favorable comment from Speaker Silver. This puts us in a very good position to move the program to closure swiftly.

Bob

<<125 Cedar.doc>>
(See attached file: 125 Cedar.doc)

NYC DEP COMPLETES CLEANUP OF RESIDENCE CLOSEST TO GROUND ZERO

Less than 300 feet from where the south tower of the World Trade Center once stood is an apartment building, at 125 Cedar Street, that is home to an eclectic, tightly knit group of Downtown pioneers. On September 11, 2001, their homes and their community were shattered when the building suffered extensive structural and interior damage. Since then, the residents have been displaced to other parts of New York. But thanks to the collaborative efforts of the New York City Department of Environmental Protection (NYC DEP), the building's tenants and owner, and Assembly Speaker Sheldon Silver's office, EPA 125 Cedar – the residential building closest to ground zero – has been completely and thoroughly cleaned, paving the way for the residents' return.

Pat Moore, who lives with her husband in a third-floor apartment in the building, can attest to the terrible impact of that horrific day. Her apartment was filled with one-and-a-half tons of debris – blown-in windows, large boulders, receipts from Windows on the World, even a computer that had flown in from a tower office. Thick, white dust coated every visible surface, from door hinges to cable TV wires to the tops of light switches.

“We were the worst hit building in the entire city – every single square inch of our apartment was covered in World Trade Center dust,” said Moore, a fashion and jewelry designer who has lived in the 24-unit building since 1977 and is a liaison between residents of 125 Cedar and cleanup officials. “The NYC DEP did a fantastic job of cleaning up this building.”

Wearing protective gear, NYC DEP inspectors walked each tenant through his or her apartment. They identified problem-areas that needed to be cleaned, and determined which belongings needed to be discarded.

“We worked diligently with the Tenant's Association, Speaker Sheldon's Silver's office, and the building owner to ensure our cleanup efforts alleviated any safety concerns and made people feel comfortable about moving back to their homes,” said Robert Avaltroni, Deputy Commissioner of the NYC DEP.

During the three-week cleaning process, DEP employed the same techniques they had initially recommended to all Downtown residents: wet-wiping surfaces and using a HEPA-filter vacuum to remove airborne particles. The Environmental Protection Agency (EPA) tested for an array of toxic contaminants, including asbestos, polycyclic aromatic hydrocarbons (PAHs), dioxin, lead, mercury, fibrous glass, and silica, while the Department of Health examined the apartments for mold.

The result of their work is a clean bill of health for the building. The EPA report stated, “for asbestos, the data we received indicates that asbestos is not a hazard at 125 Cedar Street.” The same conclusion was drawn for all of the other analyzed chemicals.

Not only are the residents pleased with the results, but all partners in the effort were impressed by the cooperative spirit of the project.

"I believe that DEP and EPA deserve a great deal of credit for cleaning and testing the building in a thorough and timely manner," said Assembly Speaker Sheldon Silver, who represents much of Lower Manhattan, including 125 Cedar Street.

Since 9/11, the tenants of 125 Cedar have temporarily relocated to Brooklyn, Connecticut, the Upper West Side, the West Village, and Battery Park City, and for the past eight months, the Federal Emergency Management Agency (FEMA) has been covering their rent. Although their building now is clean, repair of its structure still is under way, and the tenants have not yet been able to return to their homes.

For Speaker Silver, the goal always has been to get the residents back home as quickly as possible.

"I have worked to ensure that the residents of 125 Cedar Street would be able to return to their apartments as quickly as possible and that their homes would be preserved throughout the redevelopment of Ground Zero," said Silver. "I am hopeful that the landlord will take the final steps that will clear the way for the residents to return before the end of the year."

Despite the delay, there is much relief that the cleaning techniques originally recommended by DEP following the disaster have proven to work well.

"The outcome at 125 Cedar not only validates the cleaning procedures we initially recommended to the public immediately after 9/11," noted Avaltroni. "These results are a good indication to all residents of Lower Manhattan that it is safe to return to normal activities."

Hot Topic

EPA Air Quality Press Conference

DEP has negotiated an agreement with EPA and FEMA that addresses the concerns of the public and elected officials concerning the downtown area. A comprehensive program has been developed to ensure that building and residential units impacted by the collapse of the WTC have been properly cleaned.

Key components are as follows:

Short Term

- 1) EPA is lead agency
- 2) Direct assistance to residents and residential building owners (clean-up of apartments as requested)
- 3) Establishment of an EPA hotline ✓
- 4) Cleaning of unoccupied, uncleaned buildings (6) ✱ →
- 5) Clean-up of exterior buildings with residual WTC debris
- 6) Professional review of HVAC systems as requested\

Long Term

- 1) Pilot building cleaning effort to confirm cleaning technology
- 2) Create a database on private sector environmental testing results and clean-up activity
- 3) Background study of levels of potential contaminants

INDOOR CLEANING

12/5/2002

ISSUES

1. LIST

2. HVAC

Letters 23 weeks to get responses.
List - go through existing documents & see if we have information on HVAC cleaning
Estimate

3. CONTINUE CLEANING :

- HVAC ASSESSMENT IS NOT COMPLETE - do not hold apt. cleaning
- meet with Contractors &
- Resolve code ~~problems~~
- Try to schedule min. 10 apts.
-

④ Registration Status/ - DEP
Invoices

⑤ change orders - DEP

⑥ Disposal issues - EPA

⑦

INDOOR CLEAN UP
FACTS

	Clean & Test	Test	Total
Total number of requests	5252	1210	
# of units cleared	813	256	1069
# of exceeds (0.0009 f/cc)	6	4	10 (less than 1%)

Scope A – No visible debris

Scope B – Presence of visible debris

Total # of apartments that were cleaned under Scope B 5 (out of 813 - less than 1%)
In one building the windows in 4 apartments were left opened when the collapse occurred.
In the another building some debris was observed in the window ledges and sill.

Pilot Study:

Confirmed the recommendation given by different Government agencies

HVAC:

Over 100 requests were recd. for whole bldg. HVAC / Exhaust system inspections / clean up.
Minor amounts of debris were observed at the air intake for the HVAC system(on the roof or at the street level) or at the outlet of the exhaust system (located on top of the roof) in some of the buildings.
HVAC clean up contractor conduced walk through last week and will proceed with a clean up as soon as we get the license agreement from the tenants / building Management (in a week or two)

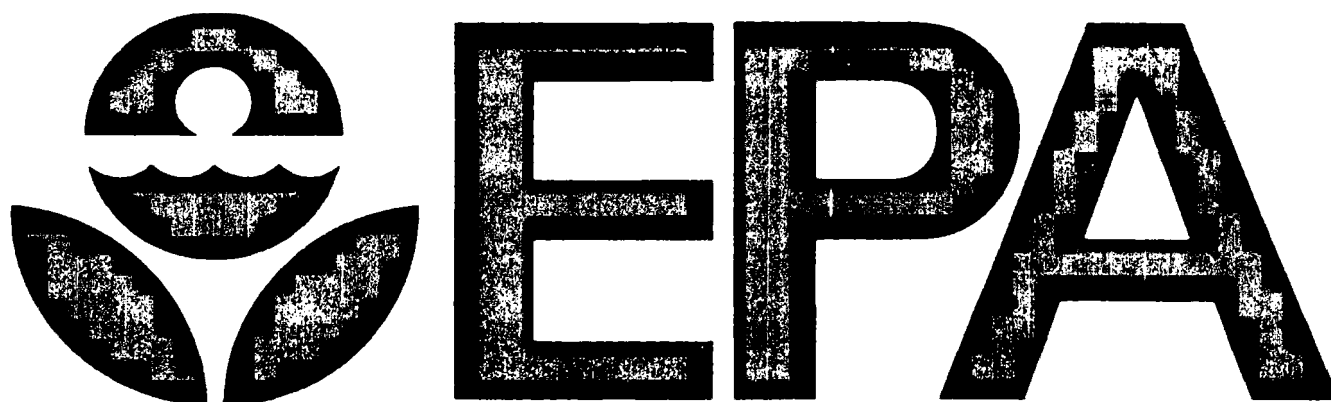
125 Cedar Street

Over hundred bulk samples were taken by the a certified lab hired by the building owner and all the samples were less than 1% asbestos.

Commercial Buildings

It is our opinion that the commercial spaces had other funding options to clean up their space.
Most of them had insurance money for the clean up.

United States
Environmental Protection
Agency





U.S. Environmental Protection Agency · Region 2

New Jersey, New York, Puerto Rico and the U.S. Virgin Islands
290 Broadway - New York, New York 10007-1866

www.epa.gov/region2

Contact: Mary Mears 212-637-3669

EPA AND CITY OUTLINE COMPREHENSIVE PLAN TO ADDRESS THE CONCERNS OF LOWER MANHATTAN RESIDENTS ABOUT THE IMPACTS OF THE WORLD TRADE CENTER COLLAPSE ON INDOOR AIR QUALITY

FOR RELEASE: May 8, 2002

(#02038) New York, New York – The U.S. Environmental Protection Agency (EPA) and its federal, state and city partners today announced a comprehensive plan to ensure that apartments impacted by the collapse of the World Trade Center have been properly cleaned. The plan -- covering residential units south of Canal Street and the Manhattan Bridge approach, river to river -- was developed by the multi-agency Task Force on Indoor Air in Lower Manhattan created by EPA Administrator Christie Whitman. All levels of government have come together in this unprecedented effort to provide assurances that people are not being exposed to pollutants related to the World Trade Center collapse at levels that might pose long-term health risks.

EPA, New York State, New York City, the Federal Emergency Management Agency (FEMA) and the Occupational Safety and Health Administration (OSHA) are taking a collaborative approach that will include the:

- cleanups of residential units on request, using certified contractors, with followup testing for asbestos in the indoor air;
- testing-only for asbestos in the indoor air for requesting households;
- establishment of a hotline to take cleanup and testing requests;
- availability of HEPA (High Efficiency Particulate Air) filter vacuums;
- distribution of health and cleanup information; and
- professional cleanups of remaining unoccupied, uncleaned buildings.

“We understand the concerns of Lower Manhattan residents and we know that they are looking to us for reassurance,” said Jane M. Kenny, EPA Regional Administrator. “While we cannot undo the events of September 11, we can provide the assurance that people's homes have been cleaned properly. While the scientific data about any immediate health risks from indoor air is reassuring, people should not have to live with uncertainty about their futures.”

"As New Yorkers rebound from 9/11, Mayor Bloomberg is committed to ensuring that the health and safety of residents and workers is of the highest priority," said Christopher Ward, DEP Commissioner. "While earlier air testing in Downtown Manhattan reassured New Yorkers, this comprehensive, collaborative program will allow residents to have their apartments cleaned and tested free of charge if there is any concern with indoor air quality. New Yorkers deserve to know that their environment is safe from health risks."

Under the plan outlined today, FEMA will provide a grant to New York City that will pay for the professional cleaning and testing.

"FEMA strongly supports the EPA and New York City's efforts to take immediate action aimed at alleviating concerns over environmental conditions in Lower Manhattan," said Joseph F. Picciano, Acting Regional Director of the FEMA Region, "We are pleased to be able to fully fund this initiative."

Under the plan outlined today, FEMA will provide funds to hire certified cleanup contractors for residents who wish to have their homes professionally cleaned. EPA will conduct followup testing for asbestos in the indoor air after the cleanups are completed. Upon request, the Agency will provide the option of testing-only for residents who do not want their apartments cleaned. New York State will continue to provide HEPA vacuums through FEMA to residents who wish to do their own cleaning on an ongoing basis. Requests for testing or cleaning will be taken through an EPA hotline that will be set up within several weeks.

EPA will collect samples of some pollutants associated with the collapse of the World Trade Center in apartments that have not been impacted. The Agency will use the data to determine pre-existing or "background" levels in interior spaces in New York City. The Agency is also preparing to test various cleanup techniques in a still-unoccupied building near the World Trade Center site to confirm their effectiveness. EPA will provide health and cleanup information to all residents through the hotline and on the Agency Web site (www.epa.gov/wtc).

Also under today's plan, the New York City Department of Environmental Protection (DEP) will supervise the cleaning of a small group of heavily impacted buildings that have remained unoccupied since September 11. Some of these buildings have not been cleaned thoroughly; most have not been cleaned at all. Worker safety during this cleanup will be coordinated with OSHA. In addition, DEP has begun contacting building owners to initiate the cleanup of residual debris on rooftops and building facades in Lower Manhattan. Finally, the city is developing a database of the results of samples taken indoors and outdoors by federal, state and local agencies as well as building owners and contractors.

"As the recovery process continues at Ground Zero, New Yorkers are still feeling the effects of the September 11th terrorist attacks," said Senator Charles Schumer. "We feel it when we look at an altered sky line; we feel it when we realize our neighbors aren't returning home and we feel it in the air everyday, literally. The September 11th attacks produced genuine concerns about air

quality in lower Manhattan and that's why the EPA's task force to ensure that our homes are safe is so necessary."

"Today's announcement is a welcome step forward, and if properly carried out, it can help residents of lower Manhattan breath easier at home, in school or at work," said Senator Hillary Clinton. "I look forward to working closely with the City, EPA and FEMA to ensure that the program is implemented quickly and effectively so that the public can be assured that their environment is healthy and safe. People deserve to know that the air they breathe is safe -- indoors and out. That's why I held a hearing on the subject in February. I am pleased that the task force for indoor air quality which I called for at that hearing has become a reality."

"I am pleased that the EPA is responding to our concerns, because addressing these issues is vital to the well-being, stability and resurgence of the residential and business community here," said Sheldon Silver, Speaker of the New York State Assembly.

"This is a huge task," added Ms. Kenny, "But I can assure you that we will not consider our job complete until residents and the business community of Lower Manhattan have regained a sense of comfort in the place that they call home."

#

-2-

and the personal property in the Residence, for as long as necessary to conduct dust cleaning and monitoring activities. I understand that these activities are to be performed in accordance with the roles of EPA and NYCDEP under the Federal Response Plan and the authority of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. § 5121 et seq.

I agree to obtain any required permission for cleaning and monitoring activities from my building management if such permission has not been obtained by NYCDEP's monitoring contractor ("Project Monitor") prior to the commencement of work in the Residence under the Program. I also agree to inform the Project Monitor at least one business day prior to the scheduled work of any building rules that are applicable to the Program, including, for example, time restrictions, appropriate entrances to the building, and elevator usage.

I agree to notify the Project Monitor as early as possible, but no later than one business day, before the scheduled date for the work in the Residence, if it is necessary to cancel the date for the cleaning and monitoring activities.

I agree to use best efforts to ensure the safety and security of fragile and valuable objects, including but not limited to jewelry, silver, fine china, decorative objects and art works located in the Residence. Such efforts will include, but not be limited to the following: Prior to the date scheduled for commencement of cleaning and monitoring, I agree to remove valuable and/or fragile objects from the Residence and/or to secure them in sealed containers for protection. I agree to identify with specificity to the Project Monitor any valuable or fragile objects that cannot be moved or secured, or that require special handling, prior to the commencement of the cleaning and monitoring in order to make provision for their safety and security. Such identification shall be in writing and shall state the estimated value of all the objects listed. (Form attached to this Request Form)

I understand that the cleaning and monitoring will be performed by contractors retained by NYCDEP. I also understand that the contractors performing cleaning and monitoring activities are required to maintain insurance coverage for commercial general liability, workers compensation, dishonest acts of their employees and environmental impairment liability related to this work. The contractors are required to maintain such insurance at all times that they are conducting cleaning and monitoring activities in the Residence. The contractors are responsible for damage or loss of property.

I understand that the Program activities will require access to all the interior spaces, surfaces and personal property and use of electricity and water within the Residence. Cleaning activities will be performed throughout the entire Residence, including but not limited to the living room, bedroom(s), bathroom(s), dining areas and kitchen, as well as inside closets.

I understand that the Program will employ various methods of dust removal from all surfaces, including, but not limited to, vacuuming, steam cleaning and wet wiping. The cleaning will address areas and items such as walls and wall hangings, floors and floors coverings, draperies and window treatments, furniture, windows, air conditioning/heating units and appliances. The cleaning will also address surfaces of smaller items such as lamps, books and decorative items, but will not include clothing.

Air Monitoring Firms/Consultants: Contract Requirements

- 1) NYSDOL-licensed contractor with NYSDOL certified employees.
- 2) Firms must have performed at least 25 asbestos projects and must have been listed on asbestos project notification forms for such jobs with NYC DEP within the last two years. The size of the projects must involve the disturbance of more than 1000 linear feet and / or more than 1000 square feet of asbestos containing material (ACM).
- 3) Contractor must have been in the business for at least two years.
- 4) Contractor must not have any Vendex disclaimer.

	Name	Number of Projects
1	ADVANCED ENVIRONMENTAL COPR.	32
2	AIRTEK ENVIRONMENTAL CORP.	85
3	AMBIENT GROUP INC.	49
4	ATC ASSOCIATES INC.	195
5	ATHENICA ENVIRONMENTAL SERVICES INC.	146
6	CENTRAL ENVIRONMENTAL INC.	49
7	COLE CONSULTING	59
8	CTSI	27
9	EMTEQUE CORP.	46
10	ENVIRO PROBE	61
11	ENVIROTECHNIQUES, INC.	101
12	ENVIRONMENTAL HEALTH INVESTIGATIONS, INC	95
13	ENVIROPROBE INC.	35
14	ETNY ENVIRONMENTAL INC.	203
15	GENESIS ENVIRONMENTAL	195
16	HILLMAN ENVIRONMENTAL CO., INC.	44
17	KAM CONSULTANTS	116
18	NY ENVIRONMENTAL & ANALYTICAL LABS	161
19	PARKER ENVIRONMENTAL	38
20	ROY F. WESTON OF NEW YORK, INC.	47
21	SAFETY ENVIRONMENTAL CO. OF NY	104
22	TAYLOR ENVIRONMENTAL GROUP, INC.	129
23	URS CORPORATION	26
24	WARREN & PANZER ENGINEERS, P.C.	27
25	JLC ENVIRONMENTAL CONSULTANTS	*
	Currently, performing ambient sampling for DEP	

Interior

EPA CLEANING / TESTING PROGRAM

1. Direct Assistance Program

The target area (south of Canal Street) will be divided into four zones viz. *a.k.a* Zone A, Zone B, Zone C and Zone D. Out of 31,000 apartments in the target zone, it is assumed that 15,000 occupants will request for cleaning and testing, and 5000 occupants will request for testing.

a. CONTRACTS (Total of NINE)

- Call Center contract to cover all indoor air and dust concerns within the target area.
- Clean up contract for each Zone (four contracts)
- Consultant for each zone (four contracts) to coordinate, supervise and to conduct air monitoring

b. Scope of work

c. Cost Estimates

- ✱ **d. Legal issues - Consent from the building owner(if any), insurance, access, disclaimer for damage, supervision by occupant, damaged or lost property, etc.**

e. Contractor list

f. Consultant list

g. Analytical Laboratory - EPA

h. Target dates

2. Clean up of Dirty & Unoccupied Buildings

NYC OEM has identified about five buildings that falls in this category. DEP will attempt to contact the building owners to find out the status of any cleaning and / or testing the building owner had undertaken.

- DEP or the Consultant hired by DEP will survey the building and collect samples.
- Based on the results of the sample DEP will hire an asbestos contractor or a regular clean up contractor. The clean up contractors will be required to inspect the buildings before bidding the jobs.

a. CONTRACTS (Total of TWO)

- Clean up contract
- Consultant will :

- Coordinate with owner, DEP and the clean up contractor
- Conduct survey and collect bulk samples
- Conduct air monitoring before, during and after the clean up
- b. Scope of Work, needs to be site specific after conducting a thorough survey
- c. Cost Estimates- difficult to estimate at this point in time
- d. Legal issues - Consent from the building owner, insurance, etc.
- e. Contractor list
- f. Consultant list
- g. Target dates

Indoor Residential Cleaning

Scope of Work

All work performed under this contract must be in compliance with all applicable, relevant, and appropriate regulations, 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 (NYS DOL), and the New York City Department of Environmental Protection (DEP).

Background

The USEPA shall solicit participation in a direct assistance program for residents and residential building owners who are concerned that their apartments may have debris/dust from the collapse of the WTC. An USEPA telephone hotline shall be established to receive requests from the public. The assistance will include various options, including the cleaning within apartments and common spaces by licensed asbestos contractors with follow-up asbestos sampling, asbestos air sampling only, and providing HEPA vacuums.

NYSDOL licensed asbestos contractors shall perform clean up activities for residents who wish to have their homes cleaned. A third party air monitoring firm will monitor the work, perform a visual inspection, and perform asbestos air sampling when the clean up is completed.

Purpose

The purpose of this contract is to acquire the services of a NYS DOL licensed asbestos contractor with DEP and NYSDOL certified workers for the performance of clean-up activities at residential building in the vicinity of the WTC. The scope of work for the clean-up activities is attached.

Contract Term and Specifications

This contract shall be in force for 18 consecutive months from the commencement date. Contractors must be prepared to mobilize within 72 hours of the contract award. Contractors shall provide a sufficient crew size to complete the clean up activities within each unit/apartment within 2 days. A minimum of twenty (20) units/apartments shall be cleaned simultaneously. Activities shall be coordinated with the project monitor to ensure that the visual inspection is performed within two hours of the completion of clean up activities. The project monitor shall review and evaluate air sampling results for successful clearance criteria. Cleaning activities shall be considered completed when the project monitor and occupant signoff on the project completion.

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Indoor Clean-up Activities Scope of Work

*Field condition
do not warrant*

Application: These procedures apply to the clean-up of minimal dust accumulations (light coating). Cleaning shall include HEPA- vacuuming and wet-wiping. If a visual inspection indicates the presence of large debris accumulations from the collapse of the WTC, then these procedures shall not be applicable.

1. All work shall be performed by a NYS DOL licensed contractor with NYS DOL- and NYC DEP- certified workers. The clean-up activities must be performed in the presence of an authorized individual/occupant who shall be responsible for personal belongings.
2. A third party air monitoring firm shall perform air sampling after the clean up activities. The person who conducts sampling shall possess a valid NYS DOL certificate.
3. Individuals performing clean up activities are not required to wear personal protective equipment or respirators.
4. All surfaces shall be wet wiped/HEPA vacuumed. An encapsulating agent shall not be applied. Surfaces include but are not limited to walls, floors, ceilings, ledges, trims, furnishings, appliances, equipment, etc.

Carpets, curtains, upholstery, and other materials that cannot be cleaned by wet wiping shall be HEPA vacuumed two times. Dry sweeping is prohibited. Plants shall be cleaned by rinsing leaves with water. Paperwork and books shall be HEPA vacuumed.

The exterior of air condition units shall be wet wiped/HEPA vacuumed. The air condition units shall then be pulled into the interior space where the grills and unit shall be HEPA vacuumed and wet wiped.

5. A thorough visual inspection shall verify the absence of visible dust accumulations. Additional clean-up procedures shall be performed where visible dust is observed. Air sampling shall be performed after the area is free of dust accumulations.
6. Personal air monitoring shall be performed in accordance with USDOL OSHA requirements. In addition, personal air monitoring shall be performed on a minimum of one worker per shift during the clean up activities for the first ten (10) units. These results shall be submitted to the USEPA for review and shall include at a minimum the date and hours of sampling, name of the worker, his/her NYCDEP asbestos certification number, and specific description of activities in the unit during the sampling.

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Clean-up of Debris-Laden unoccupied, uncleaned Buildings Scope of Work

Application: A visual inspection was performed and visible accumulations of debris from the collapse of the WTC was identified.

1. All work shall be performed by a NYSDOL licensed contractor with NYSDOL- and NYC DEP- certified workers.
2. An ACP-7 form asbestos project notification form shall be submitted directly to the NYCDEP Asbestos Control Program prior to the start of work. NYS DOL notification shall be submitted.
3. A third party air monitoring firm shall perform air sampling. The person who conducts sampling shall possess a valid NYS DOL certificate.
4. At least one asbestos supervisor shall be present at each work place (work place is defined in Title 14, Chapter 1 RCNY as the work area and the decontamination enclosure system).
5. Personal protective equipment including disposable clothing, gloves, and respirators in accordance with OSHA rules and regulations.
6. Warning signs shall be posted at the approach to the work area.
7. A worker decontamination enclosure system shall be installed at the entrance to the work area. A remote decontamination enclosure system shall be considered when appropriate i.e. inability to comply with the provision due to space limitation or other agency rules, such as for compliance with NYCFD egress requirements.
8. HVAC systems shall be shut down and locked out or isolated locally.
9. Isolation barriers shall be installed with two layers of 6-mil polyethylene sheeting and sealed with tape.
10. Negative pressure ventilation equipment shall be installed for and operated during all clean-up activities. Equipment shall run continuously until clearance air monitoring. A minimum of one air change every 30 minutes shall be provided. When ducting to the outside is not possible, a second negative pressure ventilation unit compatible with the primary unit capacity may be connected in series.
11. All debris shall be misled and bagged directly. Accumulation of water is prohibited. Water misting shall be sufficient to wet the material without water accumulations. After the removal of debris accumulations all surfaces shall be wet wiped and HEPA

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vacuumed. An encapsulating agent shall not be applied. Once all surfaces have been wet wiped and HEPA vacuumed a second cleaning shall be performed. Surfaces include but are not limited to walls, floors, ceilings, ledges, trims and furnishings.

Surfaces that may not be wiped shall be HEPA vacuumed three times or disposed as ACM waste. Disposal of material may not occur without prior authorization by the building owner and/or space occupant.

12. A thorough visual inspection shall verify the absence of visible dust accumulations.
13. After successful clearance air monitoring isolation barriers shall be removed in conjunction with the use of a HEPA vacuum.
14. All work shall be in compliance with all other applicable requirements of Title 15, Chapter 1 of the Rules of the City of New York and New York Industrial Code Rule 56. Transportation and disposal of generated waste shall be in compliance with all applicable rules and regulations.

END

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:

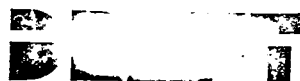
1. The Project Monitors shall be responsible for receiving information from the EPA Hotline, scheduling cleaning-up activities and air sampling with the tenants/owners, asbestos abatement contractors and air monitoring technicians to the various apartments.

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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.



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		EPA INDOOR CLEAN UP & TESTING PROGRAM						
	PHASE I							
	15000 APARTMENTS							
			Studio	One BR	Two BR	Three BR	Four BR	TOTAL
1	Number of calls	15000						
2	Distribution of apts - %		5	20	50	20	5	100
	Distribution of apts - actual		750	3000	7500	3000	750	15000
3	Cost of cleaning / apt		\$3,000	\$3,500	\$4,000	\$4,500	\$5,000	
4	Total Cost of cleaning		\$2,250,000	\$10,500,000	\$30,000,000	\$13,500,000	\$3,750,000	\$60,000,000
5	Number of air samples		3	5	5	5	5	
6	Man-hours to collect air samples		8	8	8	8	8	
7	Cost of sampling collection @\$50/hr		\$400	\$400	\$400	\$400	\$400	
8	Total cost for collecting air samples		\$300,000	\$1,200,000	\$3,000,000	\$1,200,000	\$300,000	\$6,000,000
9	Man-hours for the supervision		3	4	4	4	4	
10	Total cost for supervision @\$80/hr		\$180,000	\$960,000	\$2,400,000	\$960,000	\$240,000	\$4,740,000
11	Man-hours for coordination / apt		3	3	3	3	3	
12	Total cost for coordination @\$30/hr		\$67,500	\$270,000	\$675,000	\$270,000	\$67,500	\$1,350,000
13	Sample shipping cost ????????							\$30,000
	TOTAL PROJECT COST							\$72,120,000

Assumption: Clean up will be conducted simultaneously and the consultant can supervise more than one apt. at any

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			EPA INDOOR TESTING PROGRAM					
	PHASE I							
	5000 APARTMENTS							
			Studio	One BR	Two BR	Three BR	Four BR	TOTAL
1	Number of calls	5000						
2	Distribution of apts - %		5	20	50	20	5	100
	Distribution of apts - actual		250	1000	2500	1000	250	5000
3	Number of air samples		3	5	5	5	5	
4	Man-hours to collect air samples		8	8	8	8	8	
5	Cost of sampling collection @\$50/hr		\$400	\$400	\$400	\$400	\$400	
6	Total cost for collecting air samples		\$100,000	\$400,000	\$1,000,000	\$400,000	\$100,000	\$2,000,000
7	Man-hours for the supervision		1	1	1	1	1	
8	Total cost for supervision @\$80/hr		\$20,000	\$80,000	\$200,000	\$80,000	\$20,000	\$400,000
9	Man-hours for coordination / apt		2	2	2	2	2	
10	Total cost for coordination @\$30/hr		\$15,000	\$60,000	\$150,000	\$60,000	\$15,000	\$300,000
11	Sample shipping cost ????????							\$10,000
	TOTAL PROJECT COST							\$2,710,000

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Clean-up Contractors: Contract Requirements

- 1) NYSDOL licensed asbestos contractor with NYCDEP and NYSDOL certified asbestos workers
- 2) Contractor must have performed at least 25 asbestos projects and must have submitted asbestos project notification forms for such jobs with NYC DEP within the last two years. The size of the projects must involve the disturbance of more than 1000 linear feet and / or more than 1000 square feet of asbestos containing material (ACM).
- 3) The contractor must have had no more than five *Class A* infractions of Title 15, Chapter 1 of the Rules of the City of New York within the past four (4) years. Contractors with violation histories that include two or more infractions for "dry removal of asbestos containing material" and/or "failure to sufficiently wet down ACM" within the last four years will be automatically disqualified.
- 4) Contractor must have been in the asbestos abatement business for at least two years.
- 5) Contractor must not have any Vendex disclaimer.

No	CONTRACTOR	# OF PROJECTS	1-81 (c), (k), (m)	1-137 (a), (b)	1-102 (a)/(b)	1-51 (a)	Total
1	4-A GENERAL CONTRACTING CORP.	69	1				1
2	ABATECH INDUSTRIES INC.	215			3		3
3	ABATEMENT INT'L/ADVATEX ASSOC.	33	4		11		15
4	ABC CONSTRUCTION CONTRACTING INC.	37				1	1
5	ADMIRAL ENVIRONMENTAL LLC	34					0
6	AIR TECH LAB, INC.	60					0
7	AMC UNITED INC.	36	2		3	1	6
8	ARMTECH CORP.	25	1		3	1	5
9	AVALA CONTRACTING CO. INC.	46	3		1	2	6
10	BENJAMIN KURZBAN & SON CONTROL, INC.	83					0
11	COMPLETE ENVIRONMENTAL SERVICES	33	2		1	1	4
12	EMPIRE CONTROL ABATEMENT INC.	40	2				2
13	ETS CONTRACTING INC.	56			4	3	7
14	HAZARDOUS ELIMINATION CORP.	26			2	1	3
15	JBH ENVIRONMENTAL, INC.	72					0
16	KISS CONSTRUCTION INC.	28			1		1
17	KZ & V CONSTRUCTION CORP.	29	1		1		2
18	LVI ENVIRONMENTAL SERVICES INC.	29	1				1
19	M & N GENERAL SERVICES INC.	35			1		1
20	MAYA GENERAL CONTRACTING	31					0
21	NATIONAL ABATEMENT CORP.	150	2	3	4		9
22	NEW YORK INSULATION, INC.	244	7		1		8
23	NORTHERN VALLEY CONTRACTING CO.	47	1				1
24	PAL ENVIRONMENTAL SAFETY CORP.	154	9	1	6		16
25	PAR ENVIRONMENTAL CORPORATION	60	1				1
26	PINNACLE ENVIRONMENTAL CORP.	61			1		1
27	SAFEWAY ENVIRONMENTAL CORP.	40	2		2		4
28	SEASONS INDUSTRIAL CONTRACTING	27			1		1
29	TERMON CONSTRUCTION, INC.	50					0
30	TRIO ASBESTOS REMOVAL CORP.	101	1		3		4

1-137(b) Failed to maintain wet, 1-81(c) Electric power, 1-102(b) maintain ACM wet, 1-81(k) isolation barriers
 1-137(a) dry removal, 1-81(m) plastic on walls & floor, 1-51(a) certified workers, 1-102(a) dry removal

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Environmental Protection
Agency

