

- ① EPA - co Named on ms.
 - ② DEP → problem bldg owners sending in info and doing clean-ups based on current regs. what do we tell them? B) what do we say to bldg owners / tenants where clean-ups have already occurred using Existing Regulations?
- ↑ This is very Important ↑

- * clean-up
 - * NO PPE
 - * OSHA to be brought into for safety of EPA.
 - * EPA to set mtg with citizen groups leaders wed/Thurs.
- Scientific people can can
 End of well scope to be done

2. What is the coordination with testing done by property owners? Who has oversight over making sure the buildings were properly cleaned? What were the clean-up standards that the landlord had to comply with in order for a building to reopen?
DEP

3. According to the Washington Post, the EPA did not release more troubling data until after the nonprofit New York Environmental Law and Justice Project filed a Freedom of Information Request. These tests reportedly found elevated levels of dioxin, PCBs, lead and chromium in the air, soil, and water around the site. Do these "troubling" results reveal dangerous health risks to the public?

Levels of some substances have been elevated at the WTC site. This is why it is imperative that workers on the site must wear respirators. The DOH ordered respirators and provided 24-hr. respirator fit testing at the site. Although not available from the first few days, elevated levels of these substances outside of the site have not been found.

4. How often are you conducting the tests for each pollutant? At what times during the day and how many tests are being conducted? If not daily, why not? EPA/DEP will answer the testing questions.

Daily testing for asbestos, PM 2.5, 10,

- a. In our November hearing, EPA said it would find out whether testing is conducted at night. Is night testing currently being done? How often? Were the contaminants above acceptable levels at night?
- b. Are more locations being added? In Brooklyn?
- c. Have testing locations been changed? If so, why?
- d. What size particles are you testing for? What sizes should you be testing for?

EPA

- a. We agree. OSHA permissible standard for worker exposure is 0.1 fibers /cc. DEP does not use this standard. DEP uses the re-occupancy standard of 0.01 fibers/cc
 - b. EPA established the definition for asbestos containing material (ACM) as any material that contains greater than 1% asbestos, which is regulated. This is not the time create a new standard and standards are created based on history of diseases caused as a result of exposures.
 - c. Any disturbance(including clean-ups) of asbestos containing material (greater than 1% asbestos) triggers NYC asbestos regulations.
13. Phase Contrast Microscopy (PCM) measures all the fibers and it doesn't differentiate between asbestos and other fibers. TEM identifies the type of fibers. TEM is more sensitive. The turn around time for TEM is higher than PCM and TEM is more expensive(?).
18. Testing & retesting
- 20 Streets and side walks were cleaned before the streets were opened??? Plan for roof & outside cleaning.

NY DOH

10/1/00

PII

Asbestos and Dust

Asbestos was used in the construction of the World Trade Center. Measurements of asbestos fiber levels are being monitored to determine if there is any risk of exposure.

To prevent exposure to asbestos and to reduce any risk that might exist, the following protective measures are recommended:

10/1/00
 - Persons working at the site should use N95 respiratory masks (TB masks) to prevent inhalation of asbestos fibers and goggles to prevent eye irritation. *455*

goggles 10/1/00
 Persons who will be going into the building or working in confined spaces should use at least an N100 mask for respiratory protection.

To the extent possible, gloves and coveralls should be worn and removed before going home. Boots or shoes should be covered, if possible, and rinsed prior to returning home.

- Other risks may include exposure to cyanide and acid gases; levels will be monitored at the site to determine if any risk exists.

- Emergency personnel (firefighters, EMS staff) should remove outer garments and shower immediately when returning to their firehouse/garage. Uniforms should be separated from other clothing and washed twice in ordinary detergent.

- Persons who were exposed to ash and soot should shower and wash their hair. Clothing should be washed twice in ordinary detergent, separated from other clothing.

- To reduce exposure to dust from building debris, the material should be wetted and covered with a tarp during transport and storage. After the truck is emptied, the truck bed, wheels and tires should be rinsed off.

New York City Department of Health
 9/12/01, 2:30 am

Q 100

*Full free within block of
 ↳ Excavation*



*Engine
 And gongs
 in distance*

- ①
- ② above levels
- ③

① Greenwell & Chamber	0.08 fibers per cc
② Ctr & Chambers	0.016 " " "
③ Spruce & Gold	0.04 " " "
④ Broodley & wath	0.01 " " "
⑤ West Broder & wath	0.01 " " "

clean level ~~0.1~~ 0.1
 rrp filter 0.1

PCB & Hg

1st DAY Pir

Chombers & west	.08	Flanpa cc
west Brooding & water	.01	
Brooding & Water	.01	
Chombers & ctr	.0164	
Spine & Mold	.04	

m 9/14/12

Mary & chancel	.2
Fulka & chancel	.1
Mary & Greenwald	.003
Worship & cedar	.004
Liberty & Foot chancel	.002

Brace VOC'S

At linter & Smith

Berry & north 11



**ROBERT C. AVALTRONI, DEPUTY COMMISSIONER
BUREAU OF AIR, NOISE, & HAZARDOUS MATERIALS**

59-17 Junction Blvd., 11th floor
Corona, New York 11368-5107
(718) 595-4418
FAX (718) 595-4544

Date: _____

Log: _____

To: _____

Re: _____

☐ **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: _____

Julien

Brooklyn & 21 St

Brad

138th & 3rd Ave

Man

ctr Pal ratt & Benny

SI

Bay St & Victory



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EPA

results from 21

PCM
.01

TCM
70
Structure

Dreamworld + Albany
Liberty + Scotland

* 1 Core 7 layer map.

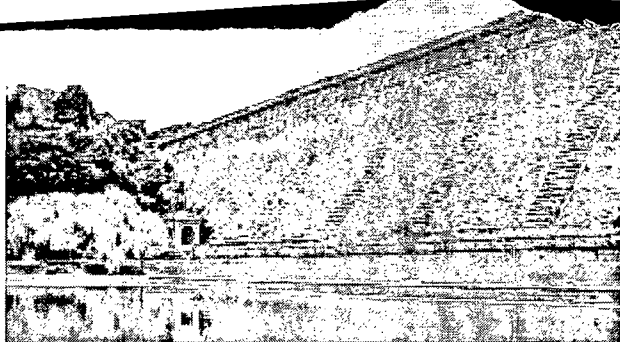
→ Dust suppression measures
* well + Broadway

Alley + West

AM Bunt
using indoor structure

10 AM - 3 PM

(18) 356-6434



Unveiling of the Kensico Dam Plaza Educational Display

On June 29th, Commissioner Miele and members of KEEP (Kensico Environmental Enhancement Program) gathered to unveil a new Kensico Reservoir Information display at Kensico Dam Plaza. This collaborative effort was undertaken to highlight the importance of protecting the Kensico Reservoir and its surrounding watershed. The display of old photographs allows us to travel back in time to the construction of this massive dam and to the creation of the Kensico Reservoir. The text high-

Phase II of the DEP Grease Inspection Program. Phase II is concentrating on food establishments on City Island, and main avenues in Sunset Park. After only two days, 58 facilities and restaurants were inspected, and 88 grease traps were ordered and installed. In Phase I, thirteen areas were identified citywide where problems had been detected including Lower Manhattan, Queens, Brooklyn and the Bronx. No areas were targeted in Staten Island. Phase I of the program is nearly complete, with only minor re-inspections remaining.

Contact Us

Questions, Comments. Let us know what you think. Call us at 718-595-6573 or e-mail: Michael@dep.nyc.gov

To report any DEP-related problems in the city call DEP's 24-hour Help Center at 718-DEP-HELP (337-4357)

To report any polluting conditions occurring in the watershed, call 1-888-DEP-NYC1 (1-888-337-6921) or 1-888-H2O-SHEP (1-888-426-7433)

For any other information, visit our website at:

www.nyc.gov/dep



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JK

EPA

Support



wall st

PM10

testing operational

Mon

4 locations

South

North

East

West

PM10

Exposure
for

People coming

back to work

Asbestos

EPA/DEC trends



12 hour sample

Hg mat

DOL

DOH



NY

DEC



Albany

MARIS KAMINSKY

~~718~~

P11

TOM MATTEO

8-8

① Defect Vachler

EPA on site

one Exit Point (Hot Point)

② Free > Shabt

Direct Free

2:00
P11

③ Asbestos only not

Sample Moved

1 block - over

④ trouble getting in 12

⑤ Making Progress

⑥ Brad

(Cedar & Rector) need
of unity



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☐ Respond/copy me

Comments: Re OCC



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Fred Edmonds

BBE

PII

110 Madison Ave

5-6
→

Alexandra →

Alexandra at
Command



9:00 E.P.A. > DEC. > P.S.
A1 Bombers and → 84
west

Re occ Re occupy
Air /

5:00 New command
Air/wing
Hq met
Para 11
SSA west
Hq



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Comments: _____

Randy Price

Office (212) 460 1293

Pager
Home
" "

PII

Con Edison

New cell #

PII

PM 2.5 - ambient air

NYS DEC network

Also from DEC network -

SO₂; CO; NO₂; Ozone

Asbestos - Air ~~Super control~~ ~~monitors~~ ~~NOV~~ ~~on~~

Dust
Fibers by
various agencies — personal
air
monitors
EPA
DEP
Con Ed

LEAD

Total VOCs

From NYC DOT database
— compilation of
test results -



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~~YES#~~

State

~~State~~

Do H
↔

~~ETA~~

Matt Lordon

PII

732-321 4425

~~JAX~~
Doty

confrontive

Andy

~~confront~~

Bruce Gregg

Edison

321-6654

732 Bill Manynski

732 321-6658



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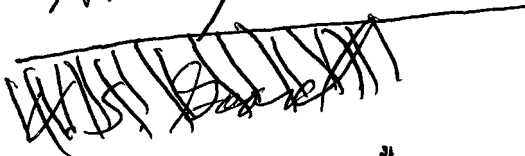


Fat

(732)

321-4425

Andy



11

Bruce May

8 hours
7 hours
← Command Bus →
917 769 - 1166

908 872 - 7070

Page 877 - 628 - 4064
← →

17

	Estimate	Actual
Total Cleanup cost	44,878,000	16,568,389

Surplus	28,309,611
---------	------------

apts 6500 for the above estimate
 (Scope A = 6000) Actuals 3,697 report cleanup & Test
 (Scope B = 500)

Testing & monitoring ^{only}	16,195,500	10,443,400
--------------------------------------	------------	------------

Surplus	5,752,100
---------	-----------

Recalls for day for 2 pm until up to 600 pm day

No of apts	6500 + 1600 ^{Test only}
	= 8100

Total Surplus = 28,309,611 + 5,752,100
 = 34,061,711

Multi
 Number of commercial units = 2000 of

Approximate size = 4 bed room.

Price for cleanup = \$3000

Total price for clean = 8.6 million

Air monitoring = 3.5 million

Total cost = 89.5 million

EPA 7AM-7PM

To be cleaned

South end Ave (Albany to Liberty)

Washington St (Kestor to Cedar St)

Cedar St (Washington to Greenwich)

Fulton (Barry to Church)

Thames St (Barry to Greenwich)

Exelon
 Al de ^{re: PEP/PAAs} pins ~~SA~~

Mike ^{Dr}
 Virginia Joe

Singleton
 Fri m kg
 re: expenses
 related to
 emergency

Consistent messages ?
 To date consistent
 This plan will be confusing !

Health Dept representation ??

- Jessica
- Tom

- * 7-10 days FEMA get up and out
 3 weeks sampling methods
 24 hr turn around

- Standards ??
- Action plan pre + evaluation
- PM levels on ground never been
 set or looked at in past

-
- ~~PA~~ Supplement EPA HEPA VACS
 - Air monitors in schools
 - 16 Air Monitors put up by DETA
 - Air monitors in outer boroughs
 - shrinking perimeter by midnight Sunday
-

* shrinking hot zone midnight Sunday
 * working with feds / state / local.
 re: Outdoor monitoring including the
 possibility of ground monitors ??

ASD R
 Pro
 Williams

2/27/2002

COST ESTIMATE

Total 200 + 50
= 250

		# of bldgs (a)		
10%	10,000	25	\$ 3	750,000
20%	5000	50	\$ 4	1,000,000
70%	1000 - 3000 (Avg 1500)	175	\$ 8	2,100,000
				3,850,000

This includes filing charges (\$1200)

Air Monitoring

No of days 400 ~~do~~

Number of Samples 1250
5 samples each

Manhours = 400 x 8
= 3200

Air technician = \$ 35 / hr.

Manhour cost = ~~\$125,000~~ 112,000

TE M COST = \$ 35 / sample

Total TE M COST = 35 x 1250
= 84,375

Total = ~~168,750~~ \$155,750
LA 200,000

63228

27.000
7.000
3.000
5

bl
20 Apr 11 10:00
3.5
23.5

.391.5
.050
.525.

2A

2A

NYC Hotline .391.5

EPA Hotline Prmo .050

EPA Hotline Database .525

EPA WEB HOSTING .100

NYC AIR Monitor 13.688

EPA Analyzing Airbbsamp 9.075

EPA Validating samples 1.815

EPA Analyzing Metal Samp. .445.5

EPA Validating " " .059.4

EPA Analyzing Dioxin Samp. .059.4

EPA Validating " " 006.845

EPA OSHA OVERSIGHT .198.450

EPA DATA BACK MGMT .000.6

EPA Support ATSDR .447.

NYC CLEANING CONT 49,840 4.269.995

EPA OVERSIGHT

EPA OVERSIGHT (EPA) .522.024

EPA OVERSIGHT .497.640

NYC UNOCCUPIED 5.000

NYC COMM. 400

\$ 68,619,500

400 000
69,119,500

18,131,240

NYC 69,119,500
EPA 18,131,240
Total 87,250,740

5 Penn Plaza

7AM > Briefing Fax to Joel

214 477-6727

3PM > Briefing Fax to Joel

646-3301

Bruce Losh by President

Various funeral instructions out of

bldg.

Starting up fire service

Not to criticize

(3 roadway white)

Trucking >> Holbie

offered City of New York

"Heavy Use Trucks" "tongue"

OSAH Dust sample (13) Bull

2-3 %

1%

water >

EOC

(Samples from 13th)

"Steel Tower" long term air sampling sample stations

732 321-6656

liberty to done $\Rightarrow$ samples in dust /

80 John Maroney $\Rightarrow$

.0004 PCM
 > 5 microns

- ① Testing for ~~Exp~~ Everything
- ② ~~Simulate~~ for Everything
- ③ ~~PRR~~
- ④ Do whole thing.

212
637-3724

6262-7002

Styversat H.S.

- check bldg.
- check outside entrance ways

V5043

- Crabtree
- Commissioner M. Gill
- Overview of what's happening 10/9
- detail hour - 6pm
- deney - 7pm
- open - 8pm
- 10 minutes

Jail Mile

- We told Lebrah gorge across street

Test Outside

(Jail)

(We)

Site control
"construction phase" accepts.

← EPA cleaning
sucking plants of planting
beds
Baltimore
Koushi Plaza

pm 10 2.5 stat level
Questionable assessment values
near WTC and away from WTC

Indoor & Out for monitors same locations
for health evaluation

Public Health

- appropriate Health Depts need
to discuss and come up with
a plan

- How do we enforce the clean-up
that will be monumental?

60 unit sample

