

From: Maldonado, Jane
Sent: Tuesday, September 03, 2002 11:25 AM
To: 'lbatchford@cityhall.nyc.gov'
Subject: WTC cleanup #s
DEP

122 Completed
85 Cleaned by Owner and confirmed by DEP's reinspection

EPA

Clean and Test 3219
Test Only 912

5/7/02

BUILDING OWNER WTC AIR INFORMATION

BUILDING OWNERS WHO SUBMITTED INFORMATION 300

BULK TESTS 2,950

NEGATIVE BULK SAMPLES 2,745

POSITIVE BULK SAMPLES 205 (7% OF TOTAL)

TOTAL PCM AIR SAMPLES 78,993

PCM AIR SAMPLES <.01 FIBERS/CC 77,959

PCM AIR SAMPLES >.01 FIBERS/CC 1,034

TOTAL TEM AIR SAMPLES 41,893TEM AIR SAMPLES <.70 STRUCTURES/MM² 41,696TEM AIR SAMPLES > 70 STRUCTURES/MM² 197 (% OF TOTAL)**TOTAL # SAMPLES SUBMITTED BY OWNERS** 123,836

ASBESTOS COMPLAINTS REC'D REGARDING ASBESTOS SINCE 9/11 218

RESULTS OF INSPECTIONS 216 NO ACTION NECESSARY
1 VIOLATION ISSUED
1 CLEAN-UP ORDERED**TOTAL # TESTS REPORTED BY LANDLORDS** 123,836

Department of Environmental Protection**Air Monitoring for Asbestos- Indoor****Phase I**

Number of Buildings	100
Number of locations in each bldg.	4
Total Locations	400
Number of samples per location	5
Total number of samples	2000
Cost of TEM sample analysis per sample	\$40
Total cost for sample analysis	\$80,000

Number samples per day per person	10
Number of man-days	200
Number persons/ firm	5
Total number of firms	2
Number days to complete air monitoring	20
Cost of per man-hour	\$40
Total Man-hour cost $40 \times 8 \times 10 \times 20$	\$64,000

Total man-hours for reviewing the results	200
Total Cost @\$40	\$8,000

Total Cost of sampling and analysis for 100 buildings	\$152,000
Cost for five Phases and 500 buildings	\$760,000

Assumption

1. Each air monitor will conduct samples at two different locations in a building per day
2. Get two air monitoring firms to conduct air monitoring simultaneously
3. Cost for supervision not included

*Alb
EPA - CC*

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 /day (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.

ASBESTOS CONTROL PROGRAM

ROOF & FAÇADE INSPECTIONS

	Zone Phase I	Zone Phase II	Total
Number of Inspections (includes repeat inspections)	247	225	472
Number of Buildings	240	204	444
Number of Clean Buildings	129 113	104	233
Number of Buildings with debris (Roof and/or Façade and/or setback) (3 3)	98 114	98	196
No access	13	2	15

COMPLAINTS

Number of complaints recd. since 2/11/02	52
Number of complaints resolved to DATE 2/11	42
In process	10

SAMPLING (small roofs 5 samples & large roofs 9 samples)

Number of roofs sampled	33 37	31 (12 neg / 19 positive)
Number of roofs cleaned	4	
Number roofs with positive samples	11	

krish 2/26/02

ASBESTOS CONTROL PROGRAM
ROOF & FAÇADE INSPECTIONS

	Zone I	Zone II	Total
			0
Number of Buildings			452
Number of Clean Buildings			241
Number of Buildings with debris (Roof and/or Façade and/or setback)			211
No access			158

COMPLAINTS

Number of complaints recd.	62 ⁶³ 62 + 4 weekend + 10 10 10 } 1 need cleanup
Number of complaints resolved	48 48 49
In process	14

SAMPLING (small roofs 5 samples & large roofs 9 samples)

Number of roofs sampled	44
Number roofs with positive samples	21
Number roofs with negative samples	23

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