



**City of New York
Parks & Recreation**

The Arsenal
Central Park
New York, New York 10021

Adrian Benepe
Commissioner

Liam Kavanagh
Deputy Commissioner
Operations

TO: Dr. Jim Miller

Department of Health

FROM: Jacob Cooper *jc*

DATE: March 27, 2002

SUBJECT: Parkland South of Canal Street

(212) 360-1307
liam.kavanagh@parks.nyc.gov

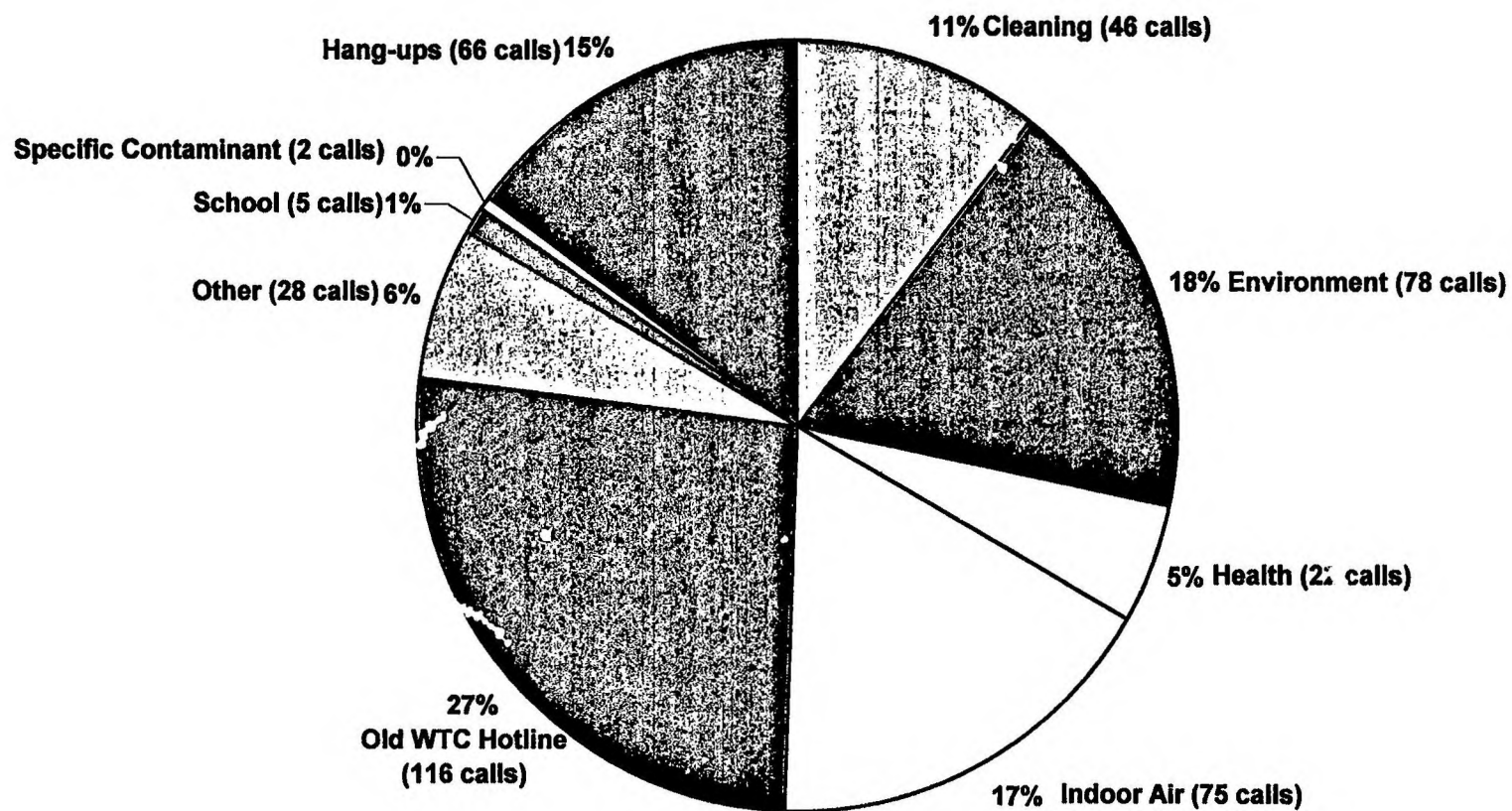
As per your request, below is a list of parkland south of Canal and the clean-up efforts for those impacted by the World Trade Center:

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Washington Market Park	Heavy	Yes	Play equipment power-washed twice, EPA Vacuumed Hard Surfaces, EPA took off top soil, removed all sand, dust and debris removed (some testing performed), power washed all hard surfaces, closed till mid February
Pearl Street Playground	Light	Yes	Power washed, normal M&O clean-up, light debris removed
Robert Wagner*	Moderate	Yes	Getting information
Al Smith Playground	None	Yes	

PS 1	None	Yes	
Collect Pond Park	None	No	
Foley Square	None	No	
Tribeca Park	Light	No	Normal M&O clean-up, light debris removed
Tannehy Playground	None	Yes	
Coleman Park	None	Yes	
Veterans Plaza	Light	No	Under construction at time, cleaned by contractor

Please call me if you need additional information at (212)360-1368. Thank you.

Total Call Breakdown (3/11 - 3/26)



Total Calls: 438

Date	Cleaning	Environment	Health	Indoor Air	Old WTC	Other	School	Sp. Contaminants	Hang-Ups	Total	Cleaning %	Env %
11-Mar	3	6	1	15	15	0	1	0		41	7.32	14.63
12-Mar	3	11	1	7	12	3	1	0	6	44	6.82	25.00
13-Mar	4	8	0	6	7	5	0	0	11	41	9.76	19.51
14-Mar	2	5	3	11	4	3	0	0	11	39	5.13	12.82
15-Mar	6	7	5	4	16	2	0	0	10	50	12.00	14.00
18-Mar	5	4	4	5	7	1	2	1	8	37	13.51	10.81
19-Mar	5	5	1	6	10	3	0	1	13	44	11.36	11.36
20-Mar	1	4	1	3	3	4	1	0	0	17	5.88	23.53
21-Mar	5	3	2	3	13	0	0	0	5	31	16.13	9.68
22-Mar	2	11	0	2	5	3	0	0	1	24	8.33	45.83
25-Mar	8	10	3	8	13	3	0	0	1	46	17.39	21.74
26-Mar	2	4	1	5	11	1	0	0	0	24	8.33	16.67
TOTAL	46	78	22	75	116	28	5	2	66	438	10.50	17.81

HiIth %	Indoor %	Old WTC %	Other %	School %	Sp. Cont. %	Hang Ups %
2.44	36.59	36.59	0.00	2.44	0.00	0.00
2.27	15.91	27.27	6.82	2.27	0.00	13.64
0.00	14.63	17.07	12.20	0.00	0.00	26.83
7.69	28.21	10.26	7.69	0.00	0.00	28.21
10.00	8.00	32.00	4.00	0.00	0.00	20.00
10.81	13.51	18.92	2.70	5.41	2.70	21.62
2.27	13.64	22.73	6.82	0.00	2.27	29.55
5.88	17.65	17.65	23.53	5.88	0.00	0.00
6.45	9.68	41.94	0.00	0.00	0.00	16.13
0.00	8.33	20.83	12.50	0.00	0.00	4.17
6.52	17.39	28.26	6.52	0.00	0.00	2.17
4.17	20.83	45.83	4.17	0.00	0.00	0.00
5.02	17.12	26.48	6.39	1.14	0.46	15.07

Manhattan Area Office Stats on LEP - WTC Clean Up

Universe of Buildings subject to Local Emphasis Program is East to Broadway; South to Rector; West to Hudson; North to Chambers

Confidential Info - Not for Public Release - (Ongoing OSHA Enforcement Activities)

As of 3/27/02:

Sampling was conducted at 4 of the 8 sites. Sample results are as follows:

Site 1:

4 bulks for asbestos were taken: **All were ND for asbestos**
 2 bulks taken on 2nd fl ground & 2nd fl stairway debris
 2 bulks taken from overhead TSJ

3 personal for asbestos were taken: **All were ND for asbestos**
 Total Fibers range from ND - .1800 f/cc
Activity: Electricians working in the basement

2 Total Dust: **Sample Results range from 0.0698 - 0.1997 mg/m3**
Activity: Electrician working in basement

2 Si Area sample: **Samples for silica were ND**
Activity: Debris removal - 2nd fl stairway

4 bulks for heavy metals: **Bulks taken in same area as asbestos**
 Sample 1 detected: Beryllium .0011%
 Iron Oxide .8917%
 Manganese .2044%
 Sample 2 detected: Iron Oxide .9668%
 Manganese .0359%
 Sample 3 detected: Cobalt 1.8097%
 Lead .2232 %
 Manganese .2177%
 Cadmium .0140 %
 Iron 2.0754%
 Zinc 0.5136%
 Sample 4 detected: Cobalt .0047%
 Manganese .0083%
 Iron 0.5134

Site 2:

3 asbestos (air) were taken:

Activity:

All were ND for asbestos

Total fibers range from 0.0230-0.0620 f/cc

**3rd phase of cleaning area - cleaning hotel rooms using
HEPA vac**

Site 3:

6 bulks for asbestos were taken:

All were ND for asbestos

(4) 4th fl -NW side of building (WTC debris blown in)

(2) 6th fl - Area already cleaned -took samples as precaution

3 personal samples for asbestos:

Activity:

All were ND for asbestos

Total fibers range from .0960 - .270 f/cc

**2 samples empee bagging office material in area
contaminated from WTC collapse**

1 sample empee cleaning HVAC system

2 personal for Silica were taken:

Activity:

same as the asbestos

Site 4:

Samples for asbestos, silica and metal dust were taken. Sample results pending.



B2	Church-Vesey	A	0.023	none
B2	SWCorner 90 Church	A	0.015	none
A1	NECorner PS89	A	0.012	none
B2	Church-Vesey	A	0.015	none
B2	90 Church	A	0.017	none

SUMMARY

Zone	# Air Samples	# Bulk Samples	fibers/cc (f/cc)
Hot	9	0	0.004-0.027
Warm	5	0	0.003-0.017
Financial District	4	0	<0.003-0.027

9/19 WTC OSHA ASBESTOS SAMPLING DATA

Permissible exposure Limit (PEL) : 0.1 fiber/cubic centimeter as an 8-hr time weighted average
Excursion limit: 1 fiber/cubic centimeter over a 30- minute period.

<u>Area</u>	<u>Location</u>	<u>Sample Type</u>	<u>fibers/cc</u>	<u>TEM fibers/cc</u>
B2	Church-Park-G'wich-Murray-B'clay	<u>Personal</u>	0.0038	<0.005
B2	Church-Park-G'wich-PkSq-B'clay-Vesey	P	0.029	<0.006
A3	Albany-G'wich-Spedestrian Bridge	P	0.011	<0.003
B2-B3	Church-Vesey-WB'way-B'clay-Albany-G'wich	P	0.018	<0.004
A3-B3	WB'way-B'clay-Church-G'wich-Liberty-Albany-Cedar	P	0.014	<0.004
A2-B2	Murray-B'clay-PS89-West-Chambers-Liberty	P	0.009	<0.003
A3	Liberty-West-Albany-G'wich-Spedestrian Br'ge	P	0.011	<0.003
A3-B3	B'wy-B'clay-Church-G'wich-Lb'ty-Albany-Cedar	P	0.014	<0.004
A2	NE corner G'wich-Park	A	0.009	<0.005
A2	NE corner B'clay-West	A	0.018	<0.006
B3	SE corner Thames-Trinity	A	0.017	<0.004
A2	West-Vesey Toll Booth	A	0.007	<0.005
A3	West st. under South Gate	A	0.008	<0.004



A1	SW corner of West & Chambers Front of PS89	A	0.005	
A2	Corner Vesey & West (toll booth)	A	0.008	<0.004
B2	NW corner of Church & Vesey (subway entrance)	A	0.009	
A3	SW corner of Liberty & West St (by south bridge)	A	0.016	<0.004

9/20 SUMMARY

Zone	# Air Samples	# Bulk Samples	fibers/cc
Hot	4	2	0.005-0.027
Warm	1	1	0.005
Financial District	13	0	<0.005-0.037

Verizon

[A787708] Turner-WTC #7- N.side,west side of the pile, Pick operator moving debris from the Verizon Bldg	P	355	overload w. non-asbestos dust. Not analyzed	Over loaded
[105BL10][789228] Tishman- Verizon Bldg- West of Barclay Laborer- sweeps sidewalk	P	65	0.2700	ND
[1010CD02] Tishman/Champion Verizon Bldg adj to WTC#7 (Vesey & West St)	P	220	0.0620	ND
[1010CD03] Tishman/Champion Verizon Bldg adj to WTC#7 (Vesey & West St) Laborer	P	305	0.0380	ND
[1010CD04] Tishman/Champion Verizon Bldg adj to WTC#7 (Vesey & West St)	P	220	0.0340	Still Pending
[1011CD03] Tishman/Sugrue Verizon Building-Vesey & West Laborer doing renovation work	P	240	0.1200	ND
[1011CD04] Tishman/Champion Verizon Building (Vesey & West) Employee sweep & clean bldg	P	405	0.280	ND
[1011CD06] Verizon Building	Bulk		NA	ND
[1011CD02] Verizon Bldg-8th fl Employee dusting in cubicle # 832	A	375	0.0220	ND
[1011CD07] Verizon Bldg (Vesey & West) 8 th fl -on job box for Pearlman Painters	W		None	ND

Amex

[1001LL1] AMEX bldg-NE side of 1 st fl	A	275	0.0150	ND
[1001LL2] AMEX bldg- 1 st fl-sign in shack	A	303	0.0380	0.0060
[10101TG1] Amex Bldg - 1 st fleast side (face West st) on stairway inside door	A	372	0.0180	ND
[10101TG2] Amex Bldg 2 nd Fl North side (facing Vesey St)-top of stairs	A	350	0.0090	ND
[1001LL3] Amex Bldg-2nd fl top of East stai. case	A	305	0.0200	ND
[10101TG3] Amex Bldg-1st Fl North side (facing Vesey St)	A	369	0.0100	ND
[1001KH10] Amex Bldg-25th Fl nr elevator banks-center of bldg	A	260	0.0150	ND



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