



Occupational Health, Safety &
Environmental Consultants

Mr. R. Radhakrishnan, P.E.
New York City Department of Environmental Protection
Director, Asbestos Control Program
59-16 Junction Boulevard
Corona, NY 11368-5107
Via Fax: 718.595.4422

February 25, 2002

Re: Pace University Property
41 Park Row and 1 Pace Plaza NY, NY

135 WILLIAM
156 WILLIAM

Dear Mr. Radhakrishnan,

On behalf of Pace University, in response to your letter dated February 15, 2002, we are providing you with two reports, which summarize asbestos testing data related to Pace Plaza and 41 Park Row.

Both of these building's physical barriers (windows, doors, walls, and roof) were not broken as a result of the collapse of the World Trade Center. No bulk debris was present inside either building. Accumulations of dust was present in some dorm rooms, where windows were open, within 1 Pace Plaza. Bulk samples of dust were collected from these areas. All interior spaces of both buildings were thoroughly cleaned using wet methods in accordance with the instructions for cleaning dust accumulations (light coating) defined in the NYC DEP letter issued to building owners dated September 14, 2001 (attached).

Pace continues to conduct air sampling for asbestos and other airborne contaminants in these buildings. A summary of that data is attached for your review.

It is the intent of Pace University to be in exact conformance with the Department of Environmental Protection's requirements and requests related to this matter. Therefore, please contact me at 215.496.9237 if any additional action is required in response to the subject letter.

Thank you for your time and consideration.

Sincerely,

Colden Corporation


David R. de Lalla
President

Attachments: 1. DEP Letter of 2/15/02. 2. Summary Reports for 41 Park Row and Pace Plaza Initial Testing 3. Summary of ongoing testing data. 4. DEP letter dated 9/14/01

cc: Pace University: S. Brodsky, D. MacDougall, W. Link, S. Irvine



**Occupational Health, Safety &
Environmental Consultants**

September 18, 2001

Mr. William Link
University Director of Facilities
Pace University
235 Elm Rd. Dow Hall
Briarcliff Manor, NY 10510

Re: Air Quality Sampling Report
Pace Plaza, 41 Park Row, Williams Street
Colden Project No. 01204

Dear Bill:

Below is our report related to the air quality testing conducted at Pace buildings located in Manhattan.

Executive Summary

The primary air quality concern related to the World Trade Center Tragedy for Pace University buildings is asbestos. Although it is known that the majority of asbestos containing materials had been removed from the World Trade Center towers, some asbestos containing materials remained.

In response to this concern, Pace retained Colden Corporation to conduct testing and determine if the University buildings were safe to reoccupy. Colden collected asbestos air samples from representative areas within 1 Pace Plaza, 41 Park Row, 135 William Street and 156 William Street. Additionally, settled dust samples were collected from Pace Plaza dorm rooms and office areas at 156 William Street.

All asbestos air sample results were within safe limits established by the Environmental Protection Agency (EPA), the New York State Department of Labor (NYS DOL) and the New York City Department of Environmental Protection (NYC DEP).

Results of bulk dust samples analyzed for asbestos were all non-hazardous as defined by the EPA.

Based on these data, re-occupancy of the Pace buildings in the vicinity of the tragedy is considered safe.

All occupants need to be aware that some precautions are still necessary because smoke is expected to continue emanating from the stricken buildings for some time. At the time of the sampling, Pace buildings were not affected by the smoke. However, if wind causes Pace buildings to be affected by smoke, the best course of action is to stay indoors. If the buildings are affected by smoke, the NYS Department of Health Division of Indoor Air Quality, recommends that outdoor air intakes be closed so that only cleaner indoor air is circulated through ventilation system filters. This should minimize effects from smoke.

Introduction

Colden Corporation was retained by Pace University to conduct asbestos testing at Pace Plaza, 41 Park Row, 156 William Street and 135 William Street in response to the incident at the World Trade Center.

On September 15, and September 17, 2001, Colden collected air samples from representative areas within Pace Plaza, 41 Park Row, 156 William Street and 135 William Street. Additionally, air samples were collected outdoors at Pace Plaza and 156 William Street. Air samples collected in Pace Plaza and 41 Park Row were collected while the air handlers were operating. All air samples were analyzed using Transmission Electron Microscopy in accordance with the EPA AHERA method.

Bulk dust samples were collected from representative Pace Plaza dorm rooms that were subject to large quantities of outside dust following the WTC incident. Dust samples were also collected from office areas in 156 Williams Street. Dust samples were analyzed in accordance with the EPA method using Polarized Light Microscopy.

Results and Discussion

All air sample results were within safe limits established by the Environmental Protection Agency (EPA), the New York State Department of Labor (NYS DOL) and the New York City Department of Environmental Protection (NYC DEP). A summary of the air sample data is presented below in Tables 1.0, 2.0, 3.0 and 4.0.

Results of the bulk dust samples were all less than 1% asbestos. Materials containing less than 1% asbestos do not meet the EPA's definition of asbestos containing materials and therefore the dust is considered non-hazardous and EPA, NYS DOL and NYC DEP regulations governing asbestos containing materials do not apply.

The bulk dust sample results are presented below in Table 5.0 and 6.0.

All air and bulk samples were analyzed by Scientific Laboratory of NY, NY. Scientific Laboratory is an American Industrial Hygiene Association (AIHA) accredited laboratory.

Table 1.0
 09-15-01 Asbestos Air Sample Results – 1 Pace Plaza

Sample Location	Sample ID	Time of Sample	Analysis Result *
East Tower, 7 th Floor, North Lounge	01204-01	9:35 -11:53	No Asbestos Structures Detected
East Tower, 14 th Floor, South Lounge	01204-02	9:42 -12:03	No Asbestos Structures Detected
West Tower, 5 th Floor Classroom # 510, HVAC # 5	12204-03	10:20 -12:23	No Asbestos Structures Detected
East Tower, 3 rd Floor Classroom # 303, AC # 4	12204-04	10:28 – 12:32	No Asbestos Structures Detected
1 st Floor, West Side, Admissions, AC # 9	12204-05	10:38 – 12:42	No Asbestos Structures Detected
B-Level Lobby, AC # 2	12204-06	10:57 – 12:57	No Asbestos Structures Detected
Outdoors, East Side Main Entrance	12204-07	11:08 – 14:51	No Asbestos Structures Detected
5 th Floor, West Side, North Hallway, HVAC # 1	12204-08	11:30 – 13:28	No Asbestos Structures Detected
5 th Floor, West Side, South Hallway, HVAC # 2	12204-09	11:39 – 13:42	No Asbestos Structures Detected
18 th Floor, Executive Offices, Board Room	12204-12	14:22-16:40	No Asbestos Structures Detected
16 th Floor, Elevator Lobby AC # 13	12204-13	14:34-16:44	No Asbestos Structures Detected
13 th Floor, North Lounge	12204-14	14:38 – 16:48	No Asbestos Structures Detected
10 th Floor South Lounge	12204-15	14:42-16:51	No Asbestos Structures Detected
5 th Floor Hallway	12204-16	14:45-16:58	No Asbestos Structures Detected

Table 2.0
 09-15-01 Asbestos Air Sample Results – 41 Park Row

Sample Location	Sample ID	Time of Sample	Analysis Result *
1 st Floor, Lobby, By Security Desk	01204-17	15:08 – 17:10	No Asbestos Structures Detected
16 th Floor, Reception Desk	01204-18	15:12 – 17:17	No Asbestos Structures Detected
9 th Floor Seating Area for Deans Office	01204-19	15:18 – 17:22	No Asbestos Structures Detected
3 rd Floor Classroom # 302	01204-20	15:18 – 17:22	No Asbestos Structures Detected

Table 3.0
 09-17-01 Asbestos Air Sample Results – 135 Williams Street

Sample Location	Sample ID	Time of Sample	Analysis Result* NYS DOL / NYC DEP Criteria	Analysis Result* EPA Criteria
16 th Floor Apt. #	PII	01204-30	12:52 - 16:09	No Asbestos Structures Detected
14 th Floor Apt. #		01204-31	13:00 - 16:20	No Asbestos Structures Detected
8 th Floor Apt. #		01204-32	13:16- 16:28	0.0046 Structures/cc 20 Structures/mm ²
3 rd Floor Apt. #		01204-29	13:22 – 16:34	No Asbestos Structures Detected

Table 4.0
 09-17-01 Asbestos Air Sample Results – 156 Williams Street

Sample Location	Sample ID	Time of Sample	Analysis Result* NYS DOL / NYC DEP Criteria	Analysis Result* EPA Criteria
12 th Floor – Computer Sciences Office	01204-33	13:36 – 16:40	No Asbestos Structures Detected	
Outdoors - Roof Level	01204-34	13:44 – 16:44	< 0.0046 Structures/cc	40 Structures/mm ²
5 th Floor - Mr. Brodski's Office	01204-35	13:50 – 16:56	<0.0046 Structures/cc	40 Structures/mm ²
5 th Floor - Hall Outside Room 512	01204-36	13:52 – 16:58	<0.0046 Structures/cc	40 Structures/mm ²

* EPA clearance criteria is 70 Structures/mm²

* NYS DOL and NYS DEP clearance criteria is less than 0.01 s/cc for structures greater than 5 microns.

Table 5.0
 09-15-01 Bulk Dust Asbestos Sample Results – 1 Pace Plaza

Sample Location	Sample ID	Comments	Asbestos Analysis Result
Dorm Room # 1413	B-01204-01	Dust on Window Sill and Horizontal Surfaces	Less Than 1 %
Dorm Room # 1620	B-01204-02	Dust on Window Sill	Less Than 1 %
Dorm Room #1409	B-01204-03	Dust on all Horizontal Surfaces	Less Than 1 %
Dorm Room # 1403	B-01204-03	Dust on Window Sill	Less Than 1 %

Table 6.0
 09-17-01 Bulk Dust Asbestos Sample Results – 156 Williams Street

Sample Location	Sample ID	Comments	Asbestos Analysis Result
12 th Floor by Office 1217	B-01	Light Dust on Window Sill and Horizontal Surfaces	Less Than 1 %
5 th Floor Office 507	B-02	Light Dust on Window Sill and Horizontal Surfaces	Less Than 1 %
5 th Floor Office 517	B-03	Light Dust on Window Sill and Horizontal Surfaces	Less Than 1 %

Field data sheets, chain of custody records and laboratory reports in support of this data are attached.

Please contact us if you have any questions regarding the content of this report.

Sincerely,
Colden Corporation


 David R. de Lalla
 President


 Greg W. Richey, CIH, CSP
 Principal

Attachment: Laboratory Reports, Field Data Sheets

SciLab Job #: 201091884

Client Name Colden Corporation

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

01204; Pace University; 1 Pace Plaza - Manhattan, NY Campus / AMBIENT

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01	01201-01		1283	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	East Tower, 7th Floor, North Side Lounge, Residential											
02	01201-02		1241	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	East Tower, 14th Floor, South Side Lounge, Residential											
03	01201-03		1205	.07	0.0046	0.0	0.0	<14.3	<14.3	<0.0046	<0.0046	NSD
	West Tower, 5th Floor, Classroom #510, HVAC #5											
04	01201-04		1215	.07	0.0045	0.0	0.0	<14.3	<14.3	<0.0045	<0.0045	NSD
	East Tower, 3rd Floor, Classroom #303, AC #4											
05	01201-05		1122	.07	0.0049	0.0	0.0	<14.3	<14.3	<0.0049	<0.0049	NSD
	1st Floor, West Side Rear of Admissions, AC#9											
06	01201-06		1288	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	B-Level, Lobby Area, AC #2											
07	01201-07		2185	.04	0.0044	0.0	0.0	<25	<25	<0.0044	<0.0044	NSD
	Outdoors, East Side Main Entrance 10' From Doors											
08	01201-08		1127	.07	0.0049	0.0	0.0	<14.3	<14.3	<0.0049	<0.0049	NSD
	5th Floor, West Side North Side Hall Center, HVAC #1											
09	01201-09		1215	.07	0.0045	0.0	0.0	<14.3	<14.3	<0.0045	<0.0045	NSD
	5th Floor, West Side South Side Hall Center, HVAC #2											
10**	01201-10											
	Blank #1											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 9/15/01

Aleksandr Barengolts

NVLAP#: 200546-0

COLDEN
CORPORATIONOccupational Health, Safety &
Environmental Consultants

Page 1 of 1

267-250-2679/Dave de Lalla
cell phone**201091884****ASBESTOS AREA AIR SAMPLING DATA SHEET**Client Name: PACE UniversityColden Project No.: 01204Project Name: 1 Pace Plaza - Manhattan, NY CampusAnalytical Laboratory: SCI-LABType of Sampling (Circle one): Background Pre-Abatement Perimeter Clearance (Other)Date of Sampling: 9-15-01Blank #1 LD. No.: 01204-00 Blank #3 LD. No.: Blank #2 LD. No.: 01204-01 Blank #4 LD. No.: Analysis Turn-Around Time: Immediate Type: NIOSH 7402
Sampling Performed By: Hobart R. Van Deusen

Sample I.D. No.:	01204-01	01204-02	01204-03	01204-04	01204-05	01204-06	01204-07	01204-08	01204-09	01204
Pump I.D. No.:										
Location / I.D. No.:	East Tower - 7th Floor North Side Lounge RESIDENTIAL	East Tower - 14th Floor South Side Lounge RESIDENTIAL	West Tower - 5th Floor Classroom #310 HVAC #5	East Tower - 3rd Floor Classroom #303 AC #4	1st Floor - West Side Rear of Admissions AC-9	B-Level - Lobby Area AC-2	OUTDOORS East Side Main Entrance 10' from Doors	5th Floor West Side North Side Hall Center HVAC-1	5th Floor West Side South Side Hall Center HVAC-2	
Start Time / Flow Rate (lpm):	9:35 9.8	9:42 8.8	10:10 9.8	10:28 9.8	10:38 9.3	10:52 10.3	11:08 9.8	11:30 10.3	11:38 9.8	
Stop Time / Flow Rate (lpm):	11:53 8.8	12:03 8.8	12:23 9.8	12:32 9.8	12:42 8.8	12:57 10.3	14:51 9.8	13:28 8.8	13:42 9.8	
Avg. Flow Rate (lpm):	9.3	8.8	9.8	9.8	9.1	10.3	9.8	9.6	9.8	
Duration (mins.):	138	141	123	124	124	125	223	118	124	
Volume:	1283.	1241.	1205.	1215.	1128.	1288.	2185.	1133.	1215.	

Comments: Call (203) 545-7525 with any questions. 10 SAMPLES, 1 BLANK TEM ANALYSIS

Samples Relinquished to Lab by: Hobart R. Van Deusen (Print Name)

(Signature)

Date: 9-15-01FAX Results to: Rye Van Deusen at: (208) 692-6051Samples Received at Lab by: Santana (Print Name)

(Signature)

Date: 9/15/01FAX Results to: Dave de Lalla at: (215) 438-9011

SciLab Job #: 201091890

Client Name Colden Corporation

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

01204; Pace University; 1 Pace Plaza-Manhattan, NY Campus / AMBIENT

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01	01204-12	1214	.07	0.0045	0.0	0.0	0.0	<14.3	<14.3	<0.0045	<0.0045	NSD
	18th Floor, Executive Offices, Board Room											
02	01204-13	1274	.07	0.0043	0.0	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	16th Floor, Elevator Lobby by Stair "H" AC-13											
03	01204-14	1274	.07	0.0043	0.0	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	13th Floor, North Lounge, Residential											
04	01204-15	1135	.07	0.0048	0.0	0.0	0.0	<14.3	<14.3	<0.0048	<0.0048	NSD
	10th Floor, South Lounge, Residential											
05	01204-16	1303	.06	0.0049	0.0	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD
	5th Floor, In Hall Outside Room #T508											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 9/15/01

Aleksandr Barengolts

NVLAP#: 200546-0



201091890

ASBESTOS AREA AIR SAMPLING DATA SHEET

Client Name: PACE UniversityColden Project No.: 01204Project Name: 1 Pace Plaza - Manhattan, NY CampusAnalytical Laboratory: SCI-LABType of Sampling (Circle one): Background Pre-Abatement Perimeter Clearance OtherDate of Sampling: 9-15-01

(Already Submitted)

Blank #1 I.D. No.: 01204-16 Blank #3 I.D. No.: _____ Analysis Turn-Around Time: Immediate Type: NIOSH 7402Blank #2 I.D. No.: 01204- Blank #4 I.D. No.: _____ Sampling Performed By: Hobart R. Van Deusen

Sample I.D. No.:	01204-17	01204-18	01204-19	01204-20	01204-21	01204-22	01204-23	01204-24	01204-25	01204-26	01204-27	01204-28	01204-29	01204-30
Pump I.D. No.:														
Location / I.D. No.:	18 th Floor Executive Offices - Board Room	16 th Floor Elevator Lobby "H" Stair "H" AC-13	13 th Floor North Lounge - Residential	10 th Floor South Lounge - Residential	5 th Floor In Hall Outside Room #7508									
Start Time / Flow Rate (lpm):	14:22 8.8	14:34 9.8	14:38 9.8	14:42 8.8	14:45 9.8									
Stop Time / Flow Rate (lpm):	16:40 8.8	16:44 9.8	16:48 9.8	16:51 8.8	16:58 9.8									
Avg. Flow Rate (lpm):	8.8	9.8	9.8	8.8	9.8									
Duration (mins.):	138	130	130	129	133									
Volume:	1214.	1274.	1274.	1135.	1303.									

Comments: Call (203) 545-7525 with any questions.

Samples Relinquished to Lab by: Hobart R. Van Deusen

(Print Name)

(Signature)

Date: 9-15-01FAX Results to: Rye Van Deusen at: (208) 692-6051

Samples Received at Lab by: _____

(Print Name)

(Signature)

Date: 9/15FAX Results to: Dave de Lalla at: (215) 438-9011

19:28

SciLab Job #: 201091891

Client Name Colden Corporation

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

01204; Pace University; 41 Park Row-Manhattan, NY

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01	01204-17		1074	.08	0.0045	0.0	0.0	<12.5	<12.5	<0.0045	<0.0045	NSD
	1st Floor, Lobby, By Security Desk											
02	01204-18		1194	.08	0.0040	0.0	0.0	<12.5	<12.5	<0.0040	<0.0040	NSD
	16th Floor, At Reception Desk,											
03	01204-19		1029	.08	0.0047	0.0	0.0	<12.5	<12.5	<0.0047	<0.0047	NSD
	9th Floor, Seating Area for Dean's Offices											
04	01204-20		1156	.08	0.0042	0.0	0.0	<12.5	<12.5	<0.0042	<0.0042	NSD
	3rd Floor, Classroom #302 (Dirty)											
05**	01204-21											
	Blank #1											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Date: 9/15/01

Aleksandr Barengolts

NVLAP#: 200546-0



201091891

ASBESTOS AREA AIR SAMPLING DATA SHEET

Client Name: PACE UniversityColden Project No.: 01204Project Name: 41 Park Row - Manhattan, NYAnalytical Laboratory: SCI-LABDate of Sampling: 9-15-01Clearance (Other)Blank #1 I.D. No.: 01204-21 Blank #3 I.D. No.: _____Analysis Turn-Around Time: Immediate Type: NIOSH 7402Blank #2 I.D. No.: 01204- Blank #4 I.D. No.: _____Sampling Performed By: Hobart P. Van Deusen

Sample I.D. No.:	01204-17	01204-18	01204-19	01204-20	01204-	01204-	01204-	01204-	01204-
Pump I.D. No.:	-	-	-	-	-	-	-	-	-
Location / I.D. No.:	1 st Floor Lobby - By Security Desk	16 th Floor - AT Reception Desk	9 th Floor Seating Area for Dennis Office	3 rd Floor Classroom #302 (Dirty)					
Start Time / Flow Rate (lpm):	15:08 8.8L	15:12 9.8L	15:18 8.8	15:22 9.3					
Stop Time / Flow Rate (lpm):	17:10 8.8L	17:17 9.3	17:22 7.8	17:27 8.8					
Avg. Flow Rate (lpm):	8.8	9.6	8.3	9.1					
Duration (mins.):	122	125	124	127					
Volume:	1074.	1200.	1029.	1156					

Comments: Call (203) 545-7525 with any questions.

No SFP Present in Building

Samples Relinquished to Lab by: Hobart P. Van Deusen (Print Name) Date: 9-15-01 FAX Results to: Rye Van Deusen at: (208) 692-6051

(Signature)

SignatureDate: 9/15FAX Results to: Dave de Lalla at: (215) 438-9011

Samples Received at Lab by: _____

(Print Name)

SignatureDate: 9/15FAX Results to: Dave de Lalla at: (215) 438-9011



FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.

117 EAST 30TH STREET

NEW YORK, NY 10018

TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Colden Corporation
Attn: David DeLalla
2967 West Schoolhouse Lane
Suite C 1001
Philadelphia, PA 19144

Date Received 09/15/2001 SciLab Job No. 201091885
Date Examined 09/15/2001 P.O. # 01204
ELAP Number 11480 Page 1 of 2
RE: 01204; Pace University; 1 Pace Plaza - Manhattan, NY
Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-01204-01	201091885-01	Yes	<1.% ¹

Location: 1413

Description: Beige, Homogeneous, Bulk Dust
Asbestos Types: Chrysotile Trace
Other Material: Cellulose Trace, Fibrous glass 35. %, Non-fibrous 65. %

B-01204-02	201091885-02	Yes	<1.% ¹
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Location: 1620

Description: Beige, Homogeneous, Bulk Dust
Asbestos Types: Amosite Trace, Chrysotile Trace
Other Material: Cellulose 15. %, Fibrous glass 30. %, Non-fibrous 55. %

B-01204-03	201091885-03	Yes	<1.% ¹
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Location: 1409

Description: Beige, Homogeneous, Bulk Dust
Asbestos Types: Chrysotile <1. %
Other Material: Cellulose 5. %, Fibrous glass 35. %, Non-fibrous 59. %

B-01204-04	201091885-04	Yes	<1.% ¹
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Location: 1403

Description: Beige, Homogeneous, Bulk Dust
Asbestos Types: Chrysotile <1. %
Other Material: Cellulose 30. %, Fibrous glass 30. %, Non-fibrous 39. %



Occupational Health, Safety &
Environmental Consultants

Bulk Sample Data Sheet / COC

2 01091885

Colden Corporation Project No: 01204

Client: Pace University

Project Name: 1 Pace Plaza - Manhattan, NY Campus

Date of Sample Collection: September 15, 2001

Samples Collected By: Hobart R. Van Deusen

Sample ID. No.:	Sample Location:	Material Description:	Laboratory Analysis Requested:	
			Asbestos PLM	Asbestos TEM (NOB)
B-01204-01	1413	BULK DUST	X	
B-01204-02	1620	BULK DUST	X	
B-01204-03	1409	BULK DUST	X	
B-01204-04	1403	BULK DUST	X	

Comments: (Call (203) 545-7525 with ANY questions)

RUSH - ASAP < 4HR.

FAX Results to: Rye Van Deusen at (208) 692-6051 AND FAX Results to: Dave de Lalla at (215) 438-9011

Laboratory Name: SCI. LAB

Sample Analysis Turn-Around Time: ASAP < 4HR

Samples Relinquished to Lab by: DAVID DEZALLA

Date: 9/15/01

(Print Name)

(Signature)

Samples Received at Lab by: Sanjaya

Date: 9/15/01

(Print Name)

(Signature)

TOTAL F.04

**SCIENTIFIC LABORATORIES, INC.**117 EAST 30TH STREET
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Colden Corporation
Attn: David DeLalla
2967 West Schoolhouse Lane
Suite C 1001
Philadelphia, PA 19144

Date Received 09/15/2001 SciLab Job No. 201091885
Date Examined 09/15/2001 P.O. # 01204
ELAP Number 11480 Page 2 of 2
RE: 01204; Pace University; 1 Pace Plaza - Manhattan, NY
Campus

Reporting Notes:

(1) PLM analysis by EPA 400 Point Count Method.

Analyzed by: Christine Tappen

*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. ADHA# 102843; VT Cert# AL016055

Reviewed By: _____



**Occupational Health, Safety &
Environmental Consultants**

September 25, 2001

Mr. William Link
University Director of Facilities
Pace University
235 Elm Rd. Dow Hall
Briarcliff Manor, NY 10510

Re: Air Quality Sampling Report
Pace Plaza
Colden Project No. 01204

Dear Bill:

In response to your request, Colden conducted additional asbestos air monitoring at One Pace Plaza on September 18, 2001. This data supplements the data presented in our report dated September 18, 2001.

The air sampling was conducted in representative areas through out the Pace Plaza campus. All air samples were conducted while the air handlers were operating. Air samples were analyzed by Scientific Laboratory in NY, NY using Transmission Electron Microscopy in accordance with the EPA AHERA method.

All air sample results were within safe limits established by the Environmental Protection Agency (EPA) the New York State Department of Labor (NYS DOL) and the New York City Department of Environmental Protection (NYC DEP). A summary of the air sample data is presented below in Table 1.0.

Table 1.0
09-18-01 Asbestos Air Sample Results – 1 Pace Plaza

Sample Location	Sample ID	Time of Sample	Analysis Result
17 th Fl. - East Towers, North Lounge	01204-40	10:02-12:48	No Asbestos Structures Detected
15 th Fl. - East Tower, South Lounge	01204-41	10:02 -12:48	No Asbestos Structures Detected
11 th Fl. - East Tower, Elevator Lobby	01204-42	10:10 - 12:54	No Asbestos Structures Detected
10 th Fl. - East Tower, North Lounge	01204-43	10:14 -12:56	No Asbestos Structures Detected
8 th Fl. - East Tower South Lounge	01204-44	10:18 -13:00	No Asbestos Structures Detected
6 th Fl. - East Tower, North Lounge	01204-45	10:22 -13:02	No Asbestos Structures Detected
4 th Fl. - East Tower, Hall by Elevators	01204-46	10:26 -13:06	No Asbestos Structures Detected
2 nd Fl. - East Tower, Library / AC#5	01204-47	10:32-13:08	No Asbestos Structures Detected
Outdoors – 1 st Floor, North Side	01204-49	13:15-16:26	No Asbestos Structures Detected
6 th Fl. West Tower, East Hall / HVAC-3	01204-50	13:20 - 15:52	No Asbestos Structures Detected
4 th Fl. West Tower, Business Office / HVAC 1,2,4,5	01204-51	13:24 - 15:55	No Asbestos Structures Detected
4 th Fl. West Tower, Classroom 401 / HVAC 1,2,4,5	01204-52	13:28 - 15:58	No Asbestos Structures Detected

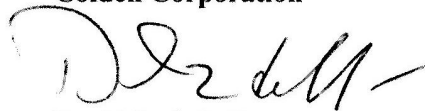
Table 1.0 - Continued
09-18-01 Asbestos Air Sample Results – 1 Pace Plaza

Sample Location	Sample ID	Time of Sample	Analysis Result
2 nd Fl. West Tower, North Lecture Hall / AC#9	01204-53	13:32 – 16:05	No Asbestos Structures Detected
1 st Fl. West Tower Lobby / North Lobby AC	01204-54	13:38 – 16:10	No Asbestos Structures Detected
B- Level West Tower, Student Union / AC#9	01204-55	13:42 – 16:15	No Asbestos Structures Detected
C-Level Gym	01204-56	13:46 – 16:20	No Asbestos Structures Detected

Field data sheets, chain of custody records and laboratory reports in support of this data are attached.

Please contact us if you have any questions regarding the content of this report.

Sincerely,
Colden Corporation



David R. de Lalla
President

Attachment: Laboratory Reports, Field Data Sheets

SciLab Job #: 201092289

Client Name: Colden Corporation

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
 01204; Pace University; 1 Pace Plaza - Manhattan, NY Campus

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq. mm.)	Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	Total		>5.0	Total	
01	01204-40		1627	.05	0.0047	0.0	0.0	0.0	<20	<0.0047	<0.0047	NSD
	17th Fl/ East Towers North Lounge No HAVAC											
02	01204-41		1279	.07	0.0043	0.0	0.0	0.0	<14.3	<0.0043	<0.0043	NSD
	15th Fl/ East Tower South Lounge No HVAC											
03	01204-42		1443	.06	0.0044	0.0	0.0	0.0	<16.7	<0.0044	<0.0044	NSD
	11th Fl/ East Tower Elevator Lobby AC-13											
04	01204-43		1426	.06	0.0045	0.0	0.0	0.0	<16.7	<0.0045	<0.0045	NSD
	10th Fl/ East Tower North Lounge No HVAC											
05	01204-44		1426	.06	0.0045	0.0	0.0	0.0	<16.7	<0.0045	<0.0045	NSD
	8th Fl/ East Tower North Lounge No HVAC											
06	01204-45		1448	.06	0.0044	0.0	0.0	0.0	<16.7	<0.0044	<0.0044	NSD
	6th Fl/ East Tower North Lounge No HVAC											
07	01204-46		1256	.07	0.0044	0.0	0.0	0.0	<14.3	<0.0044	<0.0044	NSD
	4th Fl/ East Tower Hall By Elevators No HVAC											
08	01204-47		1295	.07	0.0042	0.0	0.0	0.0	<14.3	<0.0042	<0.0042	NSD
	2nd Fl/ East Tower Library South Side #AC's											
09**	01204-48											
	Field Blank											
10	01204-49		1624	.05	0.0047	0.0	0.0	0.0	<20	<0.0047	<0.0047	NSD
	Outdoors/ 1st Floor Off North Side Walkway											
11	01204-50		1262	.07	0.0044	0.0	0.0	0.0	<14.3	<0.0044	<0.0044	NSD
	6th Floor/ West Tower East Side Hall Center HVAC #3											
12	01204-51		1329	.06	0.0048	0.0	0.0	0.0	<16.7	<0.0048	<0.0048	NSD
	4th Floor/ West Tower Classroom #401 HVAC-1/2/4/5											
13	01204-52		1320	.06	0.0049	0.0	0.0	0.0	<16.7	<0.0049	<0.0049	NSD
	4th Floor/ West Tower Classroom #401 HVAC-1/2/4/5											
14	01204-53		1423	.06	0.0045	0.0	0.0	0.0	<16.7	<0.0045	<0.0045	NSD
	2nd Floor/ West Tower North Lecture Hall AC-9											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 9/19/01

Aleksandr Barengolts

NVLAP#: 200546-0

SciLab Job #: 201092289

Client Name: Colden Corporation

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

01204; Pace University; 1 Pace Plaza - Manhattan, NY Campus

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	Total	>5.0	Total	>5.0	Total	
15	01204-54		1338	.06	0.0048	0.0	0.0	0.0	<16.7	<16.7	<0.0048	<0.0048	NSD
	1st Floor/ West Tower Lobby By Security Desk North Lobby Unit												
16	01204-55		1270	.07	0.0043	0.0	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	B-Level/ West Tower Student Union By Door To Meeting Rm "B" #AC-9												
17	01204-56		1355	.06	0.0047	0.0	0.0	0.0	<16.7	<16.7	<0.0047	<0.0047	NSD
	C-Level/ Gymnasium NE Side												

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:  ; Analyzed By:  Date: 9/19/01

Aleksandr Barengolts

NVLAP#: 200546-0

CLIENT SUBMITTED SAMPLE
LABELED 01204-57 WHICH
IS NOT ON CHAW

201092289



ASBESTOS AREA AIR SAMPLING DATA SHEET

Client Name: PACE University

Colden Project No.: 01204

Project Name: 1 Pace Plaza - Manhattan, NY Campus

Ambient Analytical Laboratory: SCI-LAB

Type of Sampling (Circle one): Background Pre-Abatement Perimeter Clearance Other Date of Sampling: 9-18-01

Blank #1 I.D. No.: 01204-48 Blank #3 I.D. No.: _____

Blank #2 I.D. No.: 01204 Blank #4 I.D. No.: _____

Analysis Turn-Around Time: Immediate Type: AHERA TEM
Sampling Performed By: Hobart R. Van Deusen

Sample I.D. No.:	01204-40	01204-41	01204-42	01204-43	01204-44	01204-45	01204-46	01204-47	01204-	01204-
Pump I.D. No.:							SFP	SFP		
Location / I.D. No.:	17 th Floor East Tower North Lounge No HVAC	15 th Floor East Tower South Lounge No HVAC	11 th Floor East Tower Elevator Lobby #AC-13	10 th Floor East Tower North Lounge No HVAC	8 th Floor East Tower South Lounge No HVAC	6 th Floor East Tower North Lounge No HVAC	4 th Floor East Tower Hall by Elevators No HVAC	2 nd Floor East Tower Library South Side #AC-5		
Start Time / Flow Rate (lpm):	10:02 9.8	10:06 7.8	10:10 8.8	10:14 8.8	10:18 8.8	10:22 9.3	10:26 8.3	10:32 8.3		
Stop Time / Flow Rate (lpm):	12:48 9.8	12:50 7.8	12:54 8.8	12:56 8.8	13:00 8.8	13:02 8.8	13:06 7.4	13:08 8.3		
Avg. Flow Rate (lpm):	9.8	7.8	8.8	8.8	8.8	9.1	7.9	8.3		
Duration (mins.):	166	164	164	162	162	160	160	156		
Volume:	1627.	1279.	1443.	1426.	1426.	1456.	1264.	1295.		

Comments: Call (203) 545-7525 with any questions. * Light wind today. Smoke blowing towards Pace Plaza.

Samples Relinquished to Lab by: Hobart R. Van Deusen (Signature) Date: 9-18-01 FAX Results to: Rye Van Deusen at: (208) 692-6051

Samples Received at Lab by: Santana (Signature) AND Date: 9/18/01 FAX Results to: Dave de Lalla at: (215) 438-9011

Page 2 of 2

CLIENT SUBMITTED SAMPLE

CLIENT 01204-57 WHICH
 LABELED CLIENT CALLED
 IS NOT ON CHAIN - CLIENT ABOUT SAMPLE
 DON'T WORK ABOUT SAMPLE

201092289

ASBESTOS AREA AIR SAMPLING DATA SHEET

Client Name: PACE UniversityColden Project No.: 01204Project Name: 1 Pace Plaza - Manhattan, NY CampusAnalytical Laboratory: SCI LAB

Type of Sampling (Circle one): Background Pre-Abatement Perimeter Clearance

Ambient

Other

Date of Sampling: 9-18-01Blank #1 I.D. No.: 01204-48 Blank #3 I.D. No.: _____Analysis Turn-Around Time: Immediate Type: AHERA TEMBlank #2 I.D. No.: 01204- Blank #4 I.D. No.: _____Sampling Performed By: Hobart R. Van Deusen

Sample I.D. No.:	01204-49	01204-50	01204-51	01204-52	01204-53	01204-54	01204-55	01204-56	01204-	01204-
Pump I.D. No.:							SFP			
Location / I.D. No.:	OUTDOORS 1 ST FLOOR off North side walkway	6 TH FLOOR West Tower East side Hall, (center of building) #HVAC-3	4 TH FLOOR West Tower Business School Classroom #401	4 TH FLOOR West Tower Classroom #401	2 ND FLOOR West Tower North Lecture Hall #AC-9	1 ST FLOOR West Tower Lobby by Security Desk - North Lobby/Unit #AC-9	B-LEVEL West Tower Student Union by Bus to Meeting Rm. "B"	C-LEVEL Gymnasium N.E. Side		
Start Time / Flow Rate (lpm):	13:15 8.5	13:20 8.3	13:24 8.8	13:28 8.8	13:32 9.3	13:38 8.8	13:42 8.3	13:46 8.8		
Stop Time / Flow Rate (lpm):	16:26 8.5	15:52 8.3	15:55 8.8	15:58 8.8	16:05 9.3	16:10 8.8	16:15 8.3	16:20 8.8		
Avg. Flow Rate (lpm):	8.5	8.3	8.8	8.8	9.3	8.8	8.3	8.8		
Duration (mins.):	191	152	151	150	153	152	153	154		
Volume:	1624	1262	1329	1320	1423	1338	1290	1355		

Comments: Call (203) 545-7525 with any questions.

* Light Wind Today. Smoke Blowing Towards PACE PLAZA

Samples Relinquished to Lab by: Hobart R. Van Deusen
 (Print Name) (Signature)Date: 9-19-01 FAX Results to: Rye Van Deusen at: (208) 692-6051

AND

Samples Received at Lab by: Santana
 (Print Name) (Signature)Date: 9/19/01 FAX Results to: Dave de Lalla at: (215) 438-9011

17:52

NYC DEP BANHazmat Exec Fax:7185953744

Sep 17 '01 8:14 P.02



**Department of
Environmental
Protection**

59-17 Junction Boulevard
Corona, New York
11364-5107

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

Robert C. Avallone
Deputy Commissioner

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

To: Building Owners

From: R. Radhakrishnan, P.E.

Date: September 14, 2001

Subject: Clean-up of Asbestos-containing Material

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

1. Minimal dust accumulations (light coating) can be cleaned using wet methods and/or vacuums equipped with HEPA filters.
2. HVAC-system filters should be replaced prior to re-occupancy.
3. Accumulations of dust that include pieces of debris must be sampled by a NYC- DEP certified investigator or NYS- DOL inspector to determine whether the material is asbestos-containing material (ACM) or it may be assumed to be ACM. Wipe sampling and/or micro-vacuum sampling are not recognized methods for asbestos sampling and should not be used. Bulk sample analysis (PLM) must be performed by laboratories with ELAP accreditation.
4. Only individuals certified by the NYC-DEP as asbestos handlers can handle dust and debris accumulations identified to be ACM or asbestos-contaminated objects. ACM is any material containing more than one percent asbestos. All work shall be performed in accordance with Title 15, Chapter 1 of the Rules of the City of New York.
5. Emergency telephone notification must be provided to the Department. The telephone notification must include the name affiliation, and telephone number of the caller; the exact location including street address, floor, and surface types to be cleaned; the name, address, and telephone number of the NYS DOL licensed asbestos contractor handling the material; and the starting date. The Asbestos and Lead Control Program (ALCP) may be reached via (718) DEP-HELP (24 hrs/7days).
6. A scope-of-work including the information outlined in number 3 above and the procedures to be employed should be faxed to the ALCP at fax number (718) 595-3744 or (718) 595-3648. The Department will review plans, provide assistance, and offer recommendations. Our staff will be available to answer your questions from 8:00 a.m. to 8:00 p.m. seven days per week. A field office has been set up to expedite on-site assistance if necessary.
7. Remote showering units shall be acceptable. The area where the installation is proposed shall be pre-cleaned using wet wiping and/or HEPA vacuuming procedures. The location of the unit shall be specified in the scope of work



Sep-26-01 03:54P

9/17/01 memo P.04

NYC DEP BBNHazzmat Exec Fax:7185953744

Sep 17 '01 8:15 P.03

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

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

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

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

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

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

Asbestos TEM Air Monitoring Summary

Pace Manhattan Campus	Date:	Asbestos (structures/s g. mm)		Pace Manhattan Campus	Date:	Asbestos (structures /sq. mm)		Pace Manhattan Campus	Date:	Asbestos (structures /sq. mm)
Standards:		EPA Less than 70 structures		Standards:		EPA Less than 70 structures		Standards:		EPA Less than 70 structures
41 Park Row				Pace Plaza				Pace Plaza		
16th Floor	10/12/01	<7.1		4th Floor	10/09/01	ND		14th Floor	01/10/02	<14.3
4th Floor	10/12/01	<14.3		6th Floor	10/09/01	ND		4th Floor-Roof	01/10/02	<14.3
Roof	10/12/01	<11.1		11th Floor East	10/12/01	<20		2nd Floor	01/11/02	<20
4 th Floor	10/22/01	<12.5		2nd Floor	10/12/01	<20		4th Floor-Roof	01/11/02	<16.7
Roof	10/22/01	<9.1		6th Floor East	10/12/01	<20		10th Floor	01/15/02	<16.7
11 th Floor	10/24/01	<14.3		8th Floor East	10/12/01	<16.7		4th Floor-Roof	01/15/02	<16.7
Roof	10/24/01	<14.3		4th Floor West	10/12/01	<20		11th Floor	01/17/02	<14.3
8 th Floor	10/26/01	<16.7		15th Floor	10/12/01	<20		4th Floor-Roof	01/17/02	<16.7
Roof	10/26/01	<14.3		8 th Floor	10/22/01	<16.7		12th Floor	01/18/02	<14.3
10th Floor	10/29/01	<12.5		6 th Floor	10/24/01	<12.5		4th Floor-Roof	01/18/02	<14.3
Roof	10/29/01	<12.5		7 th Floor	10/26/01	<12.5		4th Floor-Roof	01/23/02	<10
15th Floor	10/31/01	<10		5th Floor	10/29/01	<11.1		13th Floor	01/23/02	<10
Roof	10/31/01	<10		11th Floor	11/29/01	<10		14th Floor	01/31/02	<10
14th Floor	11/01/01	<9.1		4th Floor - Roof	11/29/01	<10		4th Floor-Roof	01/31/02	<10
Roof	11/01/01	<12.5		8th Floor	11/30/01	<10		17th Floor	02/08/02	<14.3
13th Floor	11/05/01	<11.1		4th Floor - Roof	11/30/01	<10		4th Floor-Roof	02/08/02	<16.7
Roof	11/05/01	37.50		6th Floor	12/04/01	<10		16th Floor	02/11/02	<14.3
15th Floor	11/08/01	10.00		4th Floor - Roof	12/04/01	<10		4th Floor-Roof	02/11/02	<16.7
Roof	11/08/01	<12.5		7th Floor	12/05/01	<10		7th Floor	02/14/02	<16.7
9th Floor	11/09/01	<10		4th Floor - Roof	12/05/01	<10		4th Floor-Roof	02/14/02	<16.7
Roof	11/09/01	<11.1		9th Floor	12/06/01	<10		9th Floor	02/15/02	<14.3
12th Floor	11/13/01	<12.5		4th Floor - Roof	12/06/01	<10		4th Floor-Roof	02/15/02	<14.3
2nd Floor	11/14/01	<11.1		16th Floor	12/10/01	<10		10th Floor	02/19/02	<16.7
				4th Floor-Roof	12/10/01	<10		4th Floor- Roof	02/19/02	<16.7
				10th Floor	12/11/01	<10		12th Floor	02/21/02	<16.7
				4th Floor-Roof	12/11/01	<10		4th Floor-Roof	02/21/02	<14.3
				5th Floor	12/12/01	10		13th Floor	02/22/02	<16.7
				4th Floor-Roof	12/12/01	<10		4th Floor	02/22/02	<14.3
				4th Floor-Roof	12/18/01	<11.1				
				5th Floor	12/18/01	<16.7				
				12th Floor	12/20/01	<14.3				
				4th Floor-Roof	12/20/01	<12.5				
				4th Floor-Roof	12/27/01	<12.5				
				B level	12/27/01	<14.3				
				4th Floor-Roof	12/28/01	<14.3				
				1st Floor-	12/28/01	<12.5				
				16th Floor	01/03/02	<16.4				
				4th Floor-Roof	01/03/02	<14.3				
				13th Floor	01/04/02	<16.7				
				4th Floor-Roof	01/04/02	<20				
				3rd Floor	01/09/02	<20				
				4th Floor-Roof	01/09/02	<16				



Occupational Health, Safety &
Environmental Consultants

Fax Transmittal

To: MR. R. RADHAKRISHNAN, P.E.

Date: 2-26-02

Fax: 718-595-4422

From: *Jayce A. Riley*

Phone: (215) 496-9237

Fax: (215) 496-9280

Re:

Pace University Property - 41 Park Row - 41 Pace Plaza, NY, NY

Total pages including cover: 26

Robert Morris Building, 100 North 17th Street, 9th Floor, Philadelphia, PA 19103
Tel 215 496 9237, Fax 215 496 9280, Toll Free 800 586 5580, www.colden.com



Occupational Health, Safety &
Environmental Consultants

February 25, 2002

Mr. R. Radhakrishnan, P.E.
New York City Department of Environmental Protection
Director, Asbestos Control Program
59-16 Junction Boulevard
Corona, NY 11368-5107
Via Fax: 718.593.4422

Re: Pace University Property
41 Park Row and 1 Pace Plaza NY, NY

Dear Mr. Radhakrishnan,

On behalf of Pace University, in response to your letter dated February 15, 2002, we are providing you with two reports, which summarize asbestos testing data related to Pace Plaza and 41 Park Row.

Both of these building's physical barriers (windows, doors, walls, and roof) were not broken as a result of the collapse of the World Trade Center. No bulk debris was present inside either building. Accumulations of dust was present in some dorm rooms, where windows were open, within 1 Pace Plaza. Bulk samples of dust were collected from these areas. All interior spaces of both buildings were thoroughly cleaned using wet methods in accordance with the instructions for cleaning dust accumulations (light coating) defined in the NYC DEP letter issued to building owners dated September 14, 2001 (attached).

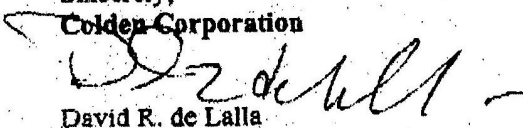
Pace continues to conduct air sampling for asbestos and other airborne contaminants in these buildings. A summary of that data is attached for your review.

It is the intent of Pace University to be in exact conformance with the Department of Environmental Protection's requirements and requests related to this matter. Therefore, please contact me at 215.496.9237 if any additional action is required in response to the subject letter.

Thank you for your time and consideration.

Sincerely,

Colden Corporation



David R. de Lalla
President

Attachments: 1. DEP Letter of 2/15/02. 2. Summary Reports for 41 Park Row and Pace Plaza Initial Testing 3. Summary of ongoing testing data. 4. DEP letter dated 9/14/01

cc: Pace University: S. Brodsky, D. MacDougall, W. Link, S. Irvine

02/26/2002 11:25

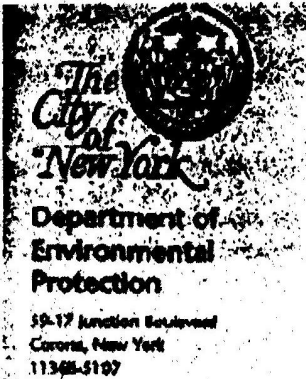
2154969288

GOLDEN CORPORATION

PAGE 03

4 13 2002 12:07 PM

FROM: BUILDINGS-GROUND ZERO 212 346 1638



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

Robert C. Avaltroni
Deputy Commissioner
Bureau of
Environmental Compliance
Tel (718) 595-4418
Fax (718) 595-4422

212 346-1521
Victor Sabar

February 15, 2002

Building Owner Name: Pace UniversityAddress: 1 Pace Plaza
NY NY 10038Subject: 41 Park Row + 1 Pace Plaza

Dear Sir/ Madam:

In September 2001, the New York City Department and Environmental Protection (NYC DEP) and the Department of Health (NYC DOH) advised building owners regarding building maintenance and re-occupancy issues following the collapse of the World Trade Center. The steps included the professional assessment of building contamination for possible hazardous components, including asbestos, and a retrospective filing, as required, if applicable.

The NYC DEP is hereby requesting copies of the environmental hazard assessments including bulk sample results and air monitoring results and a summary of clean-up activities at the above referenced site. Please forward the requested documents to our offices within FIVE BUSINESS DAYS. They may be faxed to (718) 595-3744 or sent to the NYC DEP Asbestos Control Program at 59-17 Junction Boulevard, 8th floor, Corona, New York 11373-5108.

Please be advised building owners are responsible for the cleaning of building exteriors, grounds, and common areas. Due to changing conditions and continued activity at Ground Zero, building owners should periodically assess the condition of building exteriors and air conditioning systems for cleanliness and may have to periodically re-clean areas. Adherence to proper cleaning methods is important for the protection of public health and the environment. DEP inspectors will be following up on this matter.

If you have any questions, you may reach the Department at (718) 595-3682 during office hours or the 24-hour Help Center at (718) DEP-HELP. DEP staff is available to provide guidance and technical assistance.

Sincerely,

R. Radhakrishnan
R. Radhakrishnan, P.E.
Director
Asbestos Control Program



Post-It® Fax Note	7871	Date	2/19	# of Pages	1
To	David de Lalla	From	Victor Sabar		
Co./Dept	Golden Corp		Corp. + Grounds		
Phone #			212 346-1521		
Fax #	215 496-9280		212 346-1638		



Occupational Health, Safety &
Environmental Consultants

September 18, 2001

Mr. William Link
University Director of Facilities
Pace University
235 Elm Rd. Dow Hall
Briarcliff Manor, NY 10510

Re: Air Quality Sampling Report
Pace Plaza, 41 Park Row, Williams Street
Colden Project No. 01204

Dear Bill:

Below is our report related to the air quality testing conducted at Pace buildings located in Manhattan.

Executive Summary

The primary air quality concern related to the World Trade Center Tragedy for Pace University buildings is asbestos. Although it is known that the majority of asbestos containing materials had been removed from the World Trade Center towers, some asbestos containing materials remained.

In response to this concern, Pace retained Colden Corporation to conduct testing and determine if the University buildings were safe to reoccupy. Colden collected asbestos air samples from representative areas within 1 Pace Plaza, 41 Park Row, 135 William Street and 156 William Street. Additionally, settled dust samples were collected from Pace Plaza dorm rooms and office areas at 156 William Street.

All asbestos air sample results were within safe limits established by the Environmental Protection Agency (EPA), the New York State Department of Labor (NYS DOL) and the New York City Department of Environmental Protection (NYC DEP).

Results of bulk dust samples analyzed for asbestos were all non-hazardous as defined by the EPA.

Based on these data, re-occupancy of the Pace buildings in the vicinity of the tragedy is considered safe.

All occupants need to be aware that some precautions are still necessary because smoke is expected to continue emanating from the stricken buildings for some time. At the time of the sampling, Pace buildings were not affected by the smoke. However, if wind causes Pace buildings to be affected by smoke, the best course of action is to stay indoors. If the buildings are affected by smoke, the NYS Department of Health Division of Indoor Air Quality, recommends that outdoor air intakes be closed so that only cleaner indoor air is circulated through ventilation system filters. This should minimize effects from smoke.

B. Lusk
CPN: 01204
Asbestos Sampling Report
09/18/01

Introduction

Colden Corporation was retained by Pace University to conduct asbestos testing at Pace Plaza, 41 Park Row, 156 William Street and 135 William Street in response to the incident at the World Trade Center.

On September 15, and September 17, 2001, Colden collected air samples from representative areas within Pace Plaza, 41 Park Row, 156 William Street and 135 William Street. Additionally, air samples were collected outdoors at Pace Plaza and 156 William Street. Air samples collected in Pace Plaza and 41 Park Row were collected while the air handlers were operating. All air samples were analyzed using Transmission Electron Microscopy in accordance with the EPA AHERA method.

Bulk dust samples were collected from representative Pace Plaza dorm rooms that were subject to large quantities of outside dust following the WTC incident. Dust samples were also collected from office areas in 156 Williams Street. Dust samples were analyzed in accordance with the EPA method using Polarized Light Microscopy.

Results and Discussion

All air sample results were within safe limits established by the Environmental Protection Agency (EPA), the New York State Department of Labor (NYS DOL) and the New York City Department of Environmental Protection (NYC DEP). A summary of the air sample data is presented below in Tables 1.0, 2.0, 3.0 and 4.0.

Results of the bulk dust samples were all less than 1% asbestos. Materials containing less than 1% asbestos do not meet the EPA's definition of asbestos containing materials and therefore the dust is considered non-hazardous and EPA, NYS DOL and NYC DEP regulations governing asbestos containing materials do not apply.

The bulk dust sample results are presented below in Table 5.0 and 6.0.

All air and bulk samples were analyzed by Scientific Laboratory of NY, NY. Scientific Laboratory is an American Industrial Hygiene Association (AIHA) accredited laboratory.

B. Link
CPN: 01204
Asbestos Sampling Report
09/18/01

Table 1.0
09-15-01 Asbestos Air Sample Results - 1 Pace Plaza

Sample Location	Sample ID	Time of Sample	Analysis Result *
East Tower, 7 th Floor, North Lounge	01204-01	9:35 - 11:53	No Asbestos Structures Detected
East Tower, 14 th Floor, South Lounge	01204-02	9:42 - 12:03	No Asbestos Structures Detected
West Tower, 5 th Floor Classroom # 510, HVAC # 5	12204-03	10:20 - 12:23	No Asbestos Structures Detected
East Tower, 3 rd Floor Classroom # 303, AC # 4	12204-04	10:28 - 12:32	No Asbestos Structures Detected
1 st Floor, West Side, Admissions, AC # 9	12204-05	10:38 - 12:42	No Asbestos Structures Detected
B-Level Lobby, AC # 2	12204-06	10:57 - 12:57	No Asbestos Structures Detected
Outdoors, East Side Main Entrance	12204-07	11:08 - 14:51	No Asbestos Structures Detected
5 th Floor, West Side, North Hallway, HVAC # 1	12204-08	11:30 - 13:28	No Asbestos Structures Detected
5 th Floor, West Side, South Hallway, HVAC # 2	12204-09	11:39 - 13:42	No Asbestos Structures Detected
18 th Floor, Executive Offices, Board Room	12204-12	14:22-16:40	No Asbestos Structures Detected
16 th Floor, Elevator Lobby AC # 13	12204-13	14:34-16:44	No Asbestos Structures Detected
13 th Floor, North Lounge	12204-14	14:38 - 16:48	No Asbestos Structures Detected
10 th Floor South Lounge	12204-15	14:42-16:51	No Asbestos Structures Detected
5 th Floor Hallway	12204-16	14:45-16:58	No Asbestos Structures Detected

Table 2.0
09-15-01 Asbestos Air Sample Results - 41 Park Row

Sample Location	Sample ID	Time of Sample	Analysis Result *
1 st Floor, Lobby, By Security Desk	01204-17	15:08 - 17:10	No Asbestos Structures Detected
16 th Floor, Reception Desk	01204-18	15:12 - 17:17	No Asbestos Structures Detected
9 th Floor Seating Area for Deans Office	01204-19	15:18 - 17:22	No Asbestos Structures Detected
3 rd Floor Classroom # 302	01204-20	15:18 - 17:22	No Asbestos Structures Detected

D. Link
CPN: 01204
Asbestos Sampling Report
09/18/01

Table 3.0
09-17-01 Asbestos Air Sample Results – 135 Williams Street

Sample Location	Sample ID	Time of Sample	Analysis Result* NYS DOL / NYC DEP Criteria	Analysis Result* EPA Criteria
16 th Floor Apt.	PII	01204-30	12:52 - 16:09	No Asbestos Structures Detected
14 th Floor Apt.		01204-31	13:00 - 16:20	No Asbestos Structures Detected
8 th Floor Apt.		01204-32	13:16 - 16:28	0.0046 Structures/cc 20 Structures/mm ²
3 rd Floor Apt.		01204-29	13:22 - 16:34	No Asbestos Structures Detected

Table 4.0
09-17-01 Asbestos Air Sample Results – 156 Williams Street

Sample Location	Sample ID	Time of Sample	Analysis Result* NYS DOL / NYC DEP Criteria	Analysis Result* EPA Criteria
12 th Floor – Computer Sciences Office	01204-33	13:36 – 16:40	No Asbestos Structures Detected	
Outdoors - Roof Level	01204-34	13:44 – 16:44	< 0.0046 Structures/cc	40 Structures/mm ²
5 th Floor Mr. Brodski's Office	01204-35	13:50 – 16:56	< 0.0046 Structures/cc	40 Structures/mm ²
3 rd Floor - Hall Outside Room 512	01204-36	13:52 - 16:58	< 0.0046 Structures/cc	40 Structures/mm ²

* EPA clearance criteria is 70 Structures/mm²

* NYS DOL and NYS DEP clearance criteria is less than 0.01 s/cc for structures greater than 5 microns.

Table 5.0
09-15-01 Bulk Dust Asbestos Sample Results – 1 Pace Plaza

Sample Location	Sample ID	Comments	Asbestos Analysis Result
Dorm Room # 1413	B-01204-01	Dust on Window Sill and Horizontal Surfaces	Less Than 1 %
Dorm Room # 1620	B-01204-02	Dust on Window Sill	Less Than 1 %
Dorm Room # 1409	B-01204-03	Dust on all Horizontal Surfaces	Less Than 1 %
Dorm Room # 1403	B-01204-03	Dust on Window Sill	Less Than 1 %



Page 1 of 1

267-250-2679 (David de Lalla)
cell phone

201091884

ASBESTOS AREA AIR SAMPLING DATA SHEET

Client Name: PACE UniversityColden Project No.: 01204Project Name: 1 Pace Plaza - Manhattan, NY CampusAnalytical Laboratory: SLC-LABType of Sampling (Circle one): Background Pre-Abatement Perimeter Clearance Other Date of Sampling: 9-15-01Blank #1 LD. No.: 01204-01 Blank #3 LD. No.: _____Blank #2 LD. No.: 01204-02 Blank #4 LD. No.: _____Analysis Turn-Around Time: Immediate Type: NIOSH 7402
Sampling Performed By: Hobart E. Van Dusen

Sample LD. No.	01204-01	01204-02	01204-03	01204-04	01204-05	01204-06	01204-07	01204-08	01204-09	01204
Pump LD. No.:										
Location / LD. No.:	East Tower - 7th Floor North Side Lounge RESERVATION	East Tower - 14th Floor South Side Lounge RECEPTION	West Tower - 5th Floor Classroom #90 HVAC #5	East Tower - 3rd Floor Classroom #303 AC-4	1st Floor - West Side Rear of Annular AC-9	B-Level - Lobby Area AC-2	Out Doors - East Side North Entrance 16' from Door HVAC-1	5th Floor - West Side North Side Hallway Center HVAC-2	5th Floor - West Side South Side Hallway Center HVAC-2	
Start Time / Flow Rate (lpm):	9:35 9.1	9:42 8.8	10:10 9.8	10:24 9.8	10:31 9.3	10:52 10.3	11:08 9.8	11:30 10.3	11:38 9.8	
Stop Time / Flow Rate (lpm):	11:53 8.8	12:03 8.8	12:23 9.8	12:32 9.8	12:42 8.8	12:57 10.3	14:51 9.8	13:28 8.8	13:42 9.8	
Avg. Flow Rate (lpm):	9.3	8.8	9.8	9.8	9.1	10.3	9.8	9.6	9.8	
Duration (mins.):	138	141	123	124	124	125	143	118	124	
Volume:	1283.	1241.	1205.	1215.	1128.	1288.	145.	1133.	1215.	

Comments: Call (203) 545-7525 with any questions. 10 Samples, 1 Blank TEM Analysis

Samples Relinquished to Lab by: Hobart E. Van Dusen

(Print Name)

(Signature)

Samples Received at Lab by: Santana

(Print Name)

(Signature)

Date: 9-15-01 FAX Results to: Eve Van Dusen at (203) 692-6051

AND

Date: 9/15/01 FAX Results to: Dave de Lalla at (215) 438-9011

1600

Client Name Colden Corporation

Table 1

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

01204; Pace University, 1 Pace Plaza-Manhattan, NY Campus / AMBIENT

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01	01204-12		1214	.07	0.0045	0.0	0.0	<14.3	<14.3	<0.0045	<0.0045	NSD
	18th Floor, Executive Offices, Board Room											
02	01204-13		1274	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	16th Floor, Elevator Lobby by Stair "H" AC-13											
03	01204-14		1274	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	13th Floor, North Lounge, Residential											
04	01204-15		1135	.07	0.0048	0.0	0.0	<14.3	<14.3	<0.0048	<0.0048	NSD
	10th Floor, South Lounge, Residential											
05	01204-16		1303	.06	0.0049	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD
	5th Floor, 1a Hall Outside Room #T508											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 9/15/01

Aleksandr Barenkovs

NYLAP#: 200546-0

Page 1 of 1



ASBESTOS AREA AIR SAMPLING DATA SHEET

201091890

Client Name: PACE UniversityColden Project No.: 01204Project Name: 1 Pace Plaza - Manhattan, NY CampusAnalytical Laboratory: SCI-LABType of Sampling (Circle one): Background Pre-Abatement Perimeter Clearance OtherDate of Sampling: 9-15-01Analysis Turn-Around Time: immediate Type: NIOSH 7402Sampling Performed By: Robert R. Van DusenBlank #1 I.D. No.: 01204-10 Blank #3 I.D. No.: BlankBlank #2 I.D. No.: 01204 Blank #4 I.D. No.: Blank

Sample I.D. No.:	01204-17	01204-18	01204-19	01204-20	01204-21	01204-22	01204-23	01204-24	01204-25	01204-26	01204-27	01204-28	01204-29	01204-30
Pump I.D. No.:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Location / I.D. No.:	18 th floor Executive Offices - Board Room	16 th floor Elevator Lobby by stair "H" A1-13	13 th floor North Lounge - Residential	10 th floor South Lounge - Residential	5 th floor In Hall Outside Room #1508									
Start Time / Flow Rate (lpm):	14:22 8.8	14:34 9.8	14:38 9.8	14:42 8.8	14:45 9.8									
Stop Time / Flow Rate (lpm):	16:40 8.8	16:44 9.8	16:48 9.8	16:51 8.8	16:58 9.8									
Avg Flow Rate (lpm):	8.8	9.8	9.8	8.8	9.8									
Duration (min.):	138	130	130	129	133									
Volume:	1214	1274	1274	1135	1303									

Comments: Call (203) 545-7525 with any questions.

Samples Relinquished to Lab by: Robert R. Van DusenDate: 9-15-01FAX Results to: Ray Van Dusen at: (203) 692-6051

(Print Name)

(Signature)

Date: 9/15FAX Results to: Daye de Lalla at: (215) 438-9011Samples Received at Lab by: Robert R. Van Dusen

(Print Name)

(Signature)

Date: 9/15FAX Results to: Daye de Lalla at: (215) 438-9011

Client Name Colden Corporation

Table 1

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

01204; Pace University; 41 Park Row-Manhattan, NY

Scilab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01	01204-17		1074	.08	0.0045	0.0	0.0	<12.5	<12.5	<0.0045	<0.0045	NSD
	1st Floor, Lobby, By Security Desk											
02	01204-18		1194	.08	0.0040	0.0	0.0	<12.5	<12.5	<0.0040	<0.0040	NSD
	16th Floor, At Reception Desk,											
03	01204-19		1029	.08	0.0047	0.0	0.0	<12.5	<12.5	<0.0047	<0.0047	NSD
	9th Floor, Seating Area for Dean's Offices											
04	01204-20		1156	.08	0.0042	0.0	0.0	<12.5	<12.5	<0.0042	<0.0042	NSD
	3rd Floor, Classroom #302 (Dirty)											
05**	01204-21											
	Blank #1											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 9/15/01

Aleksandr Baranovskis

NVLAP#: 200546-0



Bulk Sample Data Sheet / COC

2 01091885 WTC

Colden Corporation Project No: 01204

Client: Pace University

Project Name: 1 Pace Plaza -- Manhattan, NY Campus

Date of Sample Collection: September 13, 2001

Samples Collected By: Hobart R. Van Deusen

Sample ID No.	Sample Location:	Material Description:	Laboratory Analysis Requested:	
			Asbestos PLM	Asbestos TEM (NOB)
B-01204-01	1413	BULK DUST	X	
B-01204-02	11020	BULK DUST	X	
B-01204-03	1409	BULK DUST	X	
B-01204-04	1403	BULK DUST	X	

Comments: (Call (203) 545-7525 with ANY questions)

RUSH - ASAP < 4HR.FAX Results to: Rye Van Deusen at (208) 692-6051 AND FAX Results to: Dave de Lalla at (215) 438-9011Laboratory Name: SCI, LADSample Analysis Turn-Around Time: ASAP < 4HR

Samples Relinquished to Lab by:

Date: 9/15/01DAVID DEZALLI
(Print Name)D. E. de Lalla
(Signature)

Samples Received at Lab by:

Date: 9/15/01Santana
(Print Name)

(Signature)

16:00

TOTAL P.04

**SCIENTIFIC LABORATORIES, INC.**

117 EAST 30TH STREET

NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Colden Corporation
Attn: David DeLalla
2967 West Schoolhouse Lane
Suite C 1001
Philadelphia, PA 19144

Date Received 09/15/2001 SciLab Job No. 201091885
Date Examined 09/15/2001 P.O. # 01204
ELAP Number 11480 Page 2 of 2
RE: 01204; Pace University; 1 Pace Plaza - Manhattan, NY
Campus

Reporting Notes:

(1) PLM analysis by EPA 400 Point Count Method.

Analyzed by: Christine Tappen

Christine Tappen
*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 39, 146, 38970, 6/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. AIHA# 102843; VT Cert# AL016055

Reviewed By: _____



Occupational Health, Safety &
Environmental Consultants

September 25, 2001

Mr. William Link
University Director of Facilities
Pace University
235 Elm Rd Dow Hall
Briarcliff Manor, NY 10510

Re: Air Quality Sampling Report
Pace Plaza
Colden Project No. 01204

Dear Bill:

In response to your request, Colden conducted additional asbestos air monitoring at One Pace Plaza on September 18, 2001. This data supplements the data presented in our report dated September 18, 2001.

The air sampling was conducted in representative areas through out the Pace Plaza campus. All air samples were conducted while the air handlers were operating. Air samples were analyzed by Scientific Laboratory in NY, NY using Transmission Electron Microscopy in accordance with the EPA AHERA method.

All air sample results were within safe limits established by the Environmental Protection Agency (EPA) the New York State Department of Labor (NYS DOL) and the New York City Department of Environmental Protection (NYC DEP). A summary of the air sample data is presented below in Table 1.0.

Table 1.0
09-18-01 Asbestos Air Sample Results - 1 Pace Plaza

Sample Location	Sample ID	Time of Sample	Analysis Result
17 th Fl. - East Towers, North Lounge	01204-40	10:02-12:48	No Asbestos Structures Detected
15 th Fl. - East Tower, South Lounge	01204-41	10:02-12:48	No Asbestos Structures Detected
11 th Fl. - East Tower, Elevator Lobby	01204-42	10:10-12:54	No Asbestos Structures Detected
10 th Fl. - East Tower, North Lounge	01204-43	10:14-12:56	No Asbestos Structures Detected
8 th Fl. - East Tower South Lounge	01204-44	10:18-13:00	No Asbestos Structures Detected
6 th Fl. - East Tower, North Lounge	01204-45	10:22-13:02	No Asbestos Structures Detected
4 th Fl. - East Tower, Hall by Elevators	01204-46	10:26-13:06	No Asbestos Structures Detected
2 nd Fl. - East Tower, Library / AC#5	01204-47	10:32-13:08	No Asbestos Structures Detected
Outdoors - 1 st Floor, North Side	01204-49	13:15-16:26	No Asbestos Structures Detected
6 th Fl. West Tower, East Hall / HVAC-3	01204-50	13:20-15:52	No Asbestos Structures Detected
4 th Fl. West Tower, Business Office / HVAC 1,2,4,5	01204-51	13:24-15:55	No Asbestos Structures Detected
4 th Fl. West Tower, Classroom 401 / HVAC 1,2,4,5	01204-52	13:28-15:58	No Asbestos Structures Detected

B. Link
CPN: 01204
Asbestos Sampling Report
09/23/01

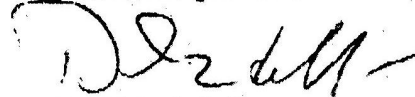
Table 1.0 - Continued
09-18-01 Asbestos Air Sample Results - 1 Pace Plaza

Sample Location	Sample ID	Time of Sample	Analysis Result
2 nd Fl. West Tower, North Lecture Hall / AC#9	01204-53	13:32 - 16:05	No Asbestos Structures Detected
1 st Fl. West Tower Lobby / North Lobby AC	01204-54	13:38 - 16:10	No Asbestos Structures Detected
B-Level West Tower, Student Union / AC#9	01204-55	13:42 - 16:15	No Asbestos Structures Detected
C-Level Gym	01204-56	13:46 - 16:20	No Asbestos Structures Detected

Field data sheets, chain of custody records and laboratory reports in support of this data are attached.

Please contact us if you have any questions regarding the content of this report.

Sincerely,
Colden Corporation



David R. de Lalla
President

Attachment: Laboratory Reports, Field Data Sheets

SCILAB JOB #: 201052289

Client Name: Colden Corporation

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

01204; Pace University; 1 Pace Plaza - Manhattan, NY Campus

SciLab Sample #	Client Sample #	Dilation Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	Total	>5.0	Total	>5.0	Total	
01	01204-40		1627	.05	0.0047	0.0	0.0	0.0	<20	<20	<0.0047	<0.0047	NSD
	7th Fl East Towers North Lounge No HVAC												
02	01204-41		1279	.07	0.0043	0.0	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	15th Fl East Tower South Lounge No HVAC												
03	01204-42		1443	.06	0.0044	0.0	0.0	0.0	<16.7	<16.7	<0.0044	<0.0044	NSD
	11th Fl East Tower Elevator Lobby AC-13												
04	01204-43		1426	.06	0.0045	0.0	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
	10th Fl East Tower North Lounge No HVAC												
05	01204-44		1426	.06	0.0045	0.0	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
	8th Fl East Tower North Lounge No HVAC												
06	01204-45		1448	.06	0.0044	0.0	0.0	0.0	<16.7	<16.7	<0.0044	<0.0044	NSD
	6th Fl East Tower North Lounge No HVAC												
07	01204-46		1256	.07	0.0044	0.0	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	4th Fl East Tower Hall By Elevators No HVAC												
08	01204-47		1295	.07	0.0042	0.0	0.0	0.0	<14.3	<14.3	<0.0042	<0.0042	NSD
	2nd Fl East Tower Library South Side #A's												
09**	01204-48												
	Field Blank												
10	01204-49		1624	.05	0.0047	0.0	0.0	0.0	<20	<20	<0.0047	<0.0047	NSD
	Outdoors/ 1st Floor Off North Side Walkway												
11	01204-50		1262	.07	0.0044	0.0	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	6th Floor West Tower East Side Hall Center HVAC #3												
12	01204-51		1329	.06	0.0048	0.0	0.0	0.0	<16.7	<16.7	<0.0048	<0.0048	NSD
	4th Floor West Tower Classroom #401 HVAC-1/2/4/5												
13	01204-52		1320	.06	0.0049	0.0	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD
	4th Floor West Tower Classroom #401 HVAC-1/2/4/5												
14	01204-53		1423	.06	0.0045	0.0	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
	2nd Floor West Tower North Lecture Hall AC-9												

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 9/19/01

Aleksandr Barenzolis

NYLAP#: 200546-0

SciLab Job #: 201092289

Client Name: Colden Corporation

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
 01204; Pace University; 1 Pace Plaza - Manhattan, NY Campus

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
15	01204-54		1338	.06	0.0048	0.0	0.0	<16.7	<16.7	<0.0048	<0.0048	NSD
	1st Floor/ West Tower Lobby By Security Desk North Lobby Unit											
16	01204-55		1270	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	B-1 Level/ West Tower Student Union By Door To Meeting Rm "B" #AC-9											
17	01204-56		1355	.06	0.0047	0.0	0.0	<16.7	<16.7	<0.0047	<0.0047	NSD
	C-1 Level/ Gymnasium NE Side											

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 9/19/01

Aksandr Barengols

NVLAP#: 200546-0

B. Link
CPN: 01204
Asbestos Sampling Report
09/18/01

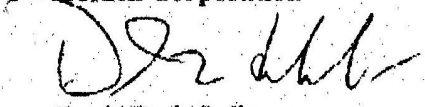
Table 6.0
09-17-01 Bulk Dust Asbestos Sample Results – 156 Williams Street

Sample Location	Sample ID	Comments	Asbestos Analysis Result
12 th Floor by Office 1217	B-01	Light Dust on Window Sill and Horizontal Surfaces	Less Than 1 %
5 th Floor Office 507	B-02	Light Dust on Window Sill and Horizontal Surfaces	Less Than 1 %
5 th Floor Office 517	B-03	Light Dust on Window Sill and Horizontal Surfaces	Less Than 1 %

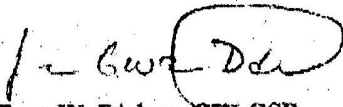
Field data sheets, chain of custody records and laboratory reports in support of this data are attached.

Please contact us if you have any questions regarding the content of this report.

Sincerely,
Colden Corporation



David R. de Lalla
President



Greg W. Richey, CH, CSP
Principal

Attachment: Laboratory Reports, Field Data Sheets

Page 1 of 1



201091891

ASBESTOS AREA AIR SAMPLING DATA SHEET

Client Name: PACE UniversityColden Project No.: 01204Project Name: 41 Park Row - Manhattan, NYAnalytical Laboratory: Ambient SCI-LABType of Sampling (Circle one): Background Pre-Abatement Perimeter Clearance Other Date of Sampling: 9-15-01Blank #1 LD. No.: 01204-21 Blank #3 LD. No.: _____Analysis Turn-Around Time: Immediate Type: NIOSH 7402Blank #2 LD. No.: 01204 Blank #4 LD. No.: _____Sampling Performed By: Robert E. Van Deusen

Sample LD. No.	01204-17	01204-18	01204-19	01204-20	01204	01204	01204	01204	01204
Pump LD. No.	-	-	-	-	-	-	-	-	-
Location / LD. No.	1 st Floor - Lobby - By Security Desk	16 th Floor - AT Reception Desk	9 th Floor - Sorting Area for Davis Office (Dirty)	3 rd Floor - Classroom # 302					
Start Time / Flow Rate (lpm):	15:08 8.8	15:12 9.8	15:18 8.8	15:22 9.3					
Stop Time / Flow Rate (lpm):	17:10 8.8	17:17 9.3	17:22 7.8	17:29 8.8					
Avg Flow Rate (lpm):	8.8	9.6	8.3	9.1					
Duration (mins.):	132	125	124	127					
Volume:	1074	1200	1029	1156					

Comments: Call (203) 545-7525 with any questions.

No SFP Present in Building

Samples Relinquished to Lab by: Robert E. Van Deusen Date: 9-15-01 FAX Results to: Rye Van Deusen at: (208) 692-6051

(Print Name)

(Signature)

Samples Received at Lab by: _____

(Print Name)

(Signature)

FAX Results to: Dave de Lalla at: (215) 438-9011Date: 9/15

19:21

Client Name Colden Corporation

Table 1

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

01204; Pace University, 1 Pace Plaza - Manhattan, NY Campus / AMBIENT

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01	01201-01		1283	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	East Tower, 7th Floor, North Side Lounge, Residential											
02	01201-02		1241	.07	0.0044	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD
	East Tower, 14th Floor, South Side Lounge, Residential											
03	01201-03		1265	.07	0.0046	0.0	0.0	<14.3	<14.3	<0.0046	<0.0046	NSD
	West Tower, 5th Floor, Classroom #510, HVAC #5											
04	01201-04		1215	.07	0.0045	0.0	0.0	<14.3	<14.3	<0.0045	<0.0045	NSD
	East Tower, 3rd Floor, Classroom #303, AC #4											
05	01201-05		1122	.07	0.0049	0.0	0.0	<14.3	<14.3	<0.0049	<0.0049	NSD
	1st Floor, West Side Rear of Admissions, AC#9											
06	01201-06		1268	.07	0.0043	0.0	0.0	<14.3	<14.3	<0.0043	<0.0043	NSD
	B-Level, Lobby Area, AC #2											
07	01201-07		2185	.04	0.0044	0.0	0.0	<25	<25	<0.0044	<0.0044	NSD
	Outdoors, East Side Main Entrance 1st Floor Doors											
08	01201-08		1127	.07	0.0049	0.0	0.0	<14.3	<14.3	<0.0049	<0.0049	NSD
	5th Floor, West Side North Side Hall Center, HVAC #1											
09	01201-09		1215	.07	0.0045	0.0	0.0	<14.3	<14.3	<0.0045	<0.0045	NSD
	5th Floor, West Side South Side Hall Center, HVAC #2											
10**	01201-10											
	Blank #1											

* concentration represented by the detection at 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 9/15/01

Aleksandr Baranovskis

NVLAP#: 200546-0

**SCIENTIFIC LABORATORIES, INC.**117 EAST 30TH STREET
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos ReportColden Corporation
Attn: David DeLalla
2967 West Schoolhouse Lane
Suite C 1001
Philadelphia, PA 19144Date Received 09/15/2001 SciLab Job No. 201091885
Date Examined 09/15/2001 P.O. # 01204
ELAP Number 11480 Page 1 of 2
RE: 01204; Pace University; 1 Pace Plaza • Manhattan, NY
Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B-01204-01	201091885-01	Yes	<1. % ¹

Location: 1413

Description: Beige, Homogeneous, Bulk Dust
Asbestos Types: Chrysotile Trace
Other Material: Cellulose Trace, Fibrous glass 35. %, Non-fibrous 65. %

B-01204-02	201091885-02	Yes	<1. % ¹
------------	--------------	-----	--------------------

Location: 1620

Description: Beige, Homogeneous, Bulk Dust
Asbestos Types: Amosite Trace, Chrysotile Trace
Other Material: Cellulose 15. %, Fibrous glass 30. %, Non-fibrous 55. %

B-01204-03	201091885-03	Yes	<1. % ¹
------------	--------------	-----	--------------------

Location: 1409

Description: Beige, Homogeneous, Bulk Dust
Asbestos Types: Chrysotile <1. %
Other Material: Cellulose 5. %, Fibrous glass 35. %, Non-fibrous 59. %

B-01204-04	201091885-04	Yes	<1. % ¹
------------	--------------	-----	--------------------

Location: 1403

Description: Beige, Homogeneous, Bulk Dust
Asbestos Types: Chrysotile <1. %
Other Material: Cellulose 30. %, Fibrous glass 30. %, Non-fibrous 39. %

Page 1 of 2

CLIENT SUBMITTED SAMPLE
LABELED 01204-57 WHICH
IS NOT ON CHAW

201092288



ASBESTOS AREA AIR SAMPLING DATA SHEET

Client Name: PACE University

Colden Project No.: 01204

Project Name: 1 Pace Plaza - Manhattan, NY Campus

Ambient Analytical Laboratory: SCI-LAB

Type of Sampling (Circle one): Background Perimeter Clearance Other

Date of Sampling: 9-18-01

Blank #1 I.D. No.: 01204-48 Blank #3 I.D. No.:

Analysis Turn-Around Time: Immediate Type: AHERA TEM

Blank #2 I.D. No.: 01204- Blank #4 I.D. No.:

Sampling Performed By: Hobart R. Van Deusen

Sample I.D. No.:	01204-40	01204-41	01204-42	01204-43	01204-44	01204-45	01204-46	01204-47	01204-
Pump I.D. No.:	-	-	-	-	-	-	SFP	SFP	01204-
Location / I.D. No.:	17 th floor East Tower North Lounge No HVAC	15 th floor East Tower South Lounge No HVAC	11 th floor East Tower Elevator lobby No HVAC	10 th floor East Tower North Lounge No HVAC	8 th floor East Tower South Lounge No HVAC	6 th floor East Tower North Lounge No HVAC	4 th floor East Tower Hall by Elevators No HVAC	2 nd floor East Tower Library South Side # AC-5	01204-
Start Time / Flow Rate (lpm):	10:02 9.8	10:06 7.8	10:10 8.8	10:14 8.8	10:18 8.8	10:22 9.3	10:26 8.3	10:32 8.3	
Stop Time / Flow Rate (lpm):	12:48 9.8	12:50 7.8	12:54 8.8	12:56 8.8	13:00 8.8	13:02 8.8	13:06 7.4	13:08 8.3	
Avg. Flow Rate (lpm):	9.8	7.8	8.8	8.8	8.8	9.1	7.9	8.3	
Duration (mins.):	166	164	164	162	162	160	160	156	
Volumetric:	1627.	1279.	1443.	1426.	1426.	1456.	1264.	1295.	

Comments: Call (203) 545-7525 with any questions. * Light wind today. Smoke blowing towards Pace Plaza.

Samples Relinquished to Lab by: Hobart R. Van Deusen (Signature)

Date: 9-18-01 FAX Results to: Rye Van Deusen at: (203) 692-6051

Samples Received at Lab by: S. J. J. J. (Signature)

Date: 9/18/01 FAX Results to: Dave de Lalla at: (215) 438-9011

17:50



CLIENT SUBMITTED SAMPLE

CLIENT 01204-57 WHICH LABELED 01204-57 WHICH IS NOT ON CHAIN - CLIENT CALLED ABOUT SAMPLE DON'T WORRY ABOUT 201092289

ASBESTOS AREA AIR SAMPLING DATA SHEET

Client Name: PACE University

Colden Project No.: 01204

Project Name: 1 Pace Plaza - Manhattan, NY Campus

Analytical Laboratory: SCI LAB

Type of Sampling (Circle one): Background Pre-Abatement Perimeter Clearance

Date of Sampling: 9-18-01

Blank #1 LD. No.: 01204-48 Blank #3 LD. No.:
Blank #2 LD. No.: 01204 Blank #4 LD. No.:

Analysis Turn-Around Time: Immediate Type: AHERA TEM
Sampling Performed By: Robert P. Van Dusen

Sample LD. No.:	01204-49	01204-50	01204-51	01204-52	01204-53	01204-54	01204-55	01204-56	01204-57	01204-58
Pump LD. No.:										
Location / LD. No.:	OUTDOORS	6th Floor	4th Floor	4th Floor	2nd Floor	1st Floor	B-Level	C-Level		
	1st Floor	West Tower	West Tower	West Tower	West Tower	West Tower	West Tower	Gymnasium		
	off North	East side	Business School	Classroom	North Lecture	Lobby by	Student Union	N.E. Side		
	Side Wingway	Hall, located	off of	#401	Hall	Security Desk	by Bar to	meeting room		
		#1000-3	entrance	entrance	entrance	entrance	entrance	entrance		
Start Time / Flow Rate (lpm):	13:15 8.5	13:20 8.3	13:24 8.8	13:28 8.8	13:32 9.3	13:38 8.8	13:42 8.3	13:46 8.8		
Stop Time / Flow Rate (lpm):	16:20 8.5	15:52 8.3	15:55 8.8	15:58 8.8	16:05 9.3	16:10 8.8	16:15 8.3	16:20 8.8		
Avg. Flow Rate (lpm):	8.5	8.3	8.8	8.8	9.3	8.8	8.3	8.8		
Duration (min.):	191	152	151	150	153	152	153	154		
Volume:	1624	1262	1329	1320	1423	1338	1390	1355		

Comments: Call (203) 545-7525 with any questions. * Light Wind Today. Smoke Blowing Towards PACE PLAZ

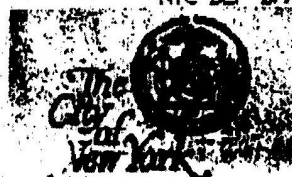
Samples Relinquished to Lab by: Robert P. Van Dusen (Signature)
Samples Received at Lab by: Santana (Signature)

Date: 9-19-01 FAX Results to: Eric Van Dusen at: (203) 692-6051
Date: 9/19/01 FAX Results to: Dave de Lella at: (215) 439-9011

1752

NYC DEP BPHazmat Exec Fax:7185953744

Sep 17 '01 8:14 P.02

**Department of
Environmental
Protection**59-17 Junction Boulevard
Corona, New York
11368-5107**Joel A. Niele Sr., P.E.**
Commissioner**Robert C. Avalironi**
Deputy Commissioner**Bureau of
Environmental Compliance**
Tel: (718) 595-4418
Fax: (718) 595-4422

To: Building Owners

From: R. Radhakrishnan, P.E.

Date: September 14, 2001

Subject: Clean-up of Asbestos-containing Material

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

1. Minimal dust accumulations (light coating) can be cleaned using wet methods and/or vacuums equipped with HEPA filters.
2. HVAC-system filters should be replaced prior to re-occupancy.
3. Accumulations of dust that include pieces of debris must be sampled by a NYC-DEP certified investigator or NYS-DOL inspector to determine whether the material is asbestos-containing material (ACM) or it may be assumed to be ACM. Wipe sampling and/or micro-vacuum sampling are not recognized methods for asbestos sampling and should not be used. Bulk sample analysis (PLM) must be performed by laboratories with ELAP accreditation.
4. Only individuals certified by the NYC-DEP as asbestos handlers can handle dust and debris accumulations identified to be ACM or asbestos-contaminated objects. ACM is any material containing more than one percent asbestos. All work shall be performed in accordance with Title 15, Chapter 1 of the Rules of the City of New York.
5. Emergency telephone notification must be provided to the Department. The telephone notification must include the name affiliation, and telephone number of the caller; the exact location including street address, floor, and surface types to be cleaned; the name, address, and telephone number of the NYS DOL licensed asbestos contractor handling the material; and the starting date. The Asbestos and Lead Control Program (ALCP) may be reached via (718) DEP-HELP (24 hrs/7days).
6. A scope-of-work including the information outlined in number 3 above and the procedures to be employed should be faxed to the ALCP at fax number (718) 595-3744 or (718) 595-3648. The Department will review plans, provide assistance, and offer recommendations. Our staff will be available to answer your questions from 8:00 a.m. to 8:00 p.m. seven days per week. A field office has been set up to expedite on-site assistance if necessary.
7. Remote showering units shall be acceptable. The area where the installation is proposed shall be pre-cleaned using wet wiping and/or HEPA vacuuming procedures. The location of the unit shall be specified in the scope of work.



NYC DEP BQHazmat Exec Fax:7185953744

Sep 17 '01 8:15 P.03

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

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

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

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

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

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

Asbestos TEM Air Monitoring Summary

Place Manhattan Campus	Date:	Asbestos (structures/s sq. mm) EPA Less than 70 structures	Place Manhattan Campus	Date:	Asbestos (structures /sq. mm) EPA Less than 70 structures	Place Manhattan Campus	Date:	Asbestos (structures /sq. mm) EPA Less than 70 structures
Standards:			Standards:			Standards:		
16th Floor	10/12/01	<7.1	4th Floor	10/09/01	ND	14th Floor	01/10/02	<14.3
4th Floor	10/12/01	<14.3	6th Floor	10/09/01	ND	4th Floor-Roof	01/10/02	<14.3
Roof	10/12/01	<11.1	11th Floor East	10/12/01	<20	2nd Floor	01/11/02	<20
4th Floor	10/22/01	<12.5	2nd Floor	10/12/01	<20	4th Floor-Roof	01/11/02	<16.7
Roof	10/22/01	<9.1	6th Floor East	10/12/01	<20	10th Floor	01/15/02	<16.7
11th Floor	10/24/01	<14.3	8th Floor East	10/12/01	<16.7	4th Floor-Roof	01/15/02	<16.7
Roof	10/24/01	<14.3	4th Floor West	10/12/01	<20	11th Floor	01/17/02	<14.3
8th Floor	10/26/01	<16.7	15th Floor	10/12/01	<20	4th Floor-Roof	01/17/02	<16.7
Roof	10/26/01	<14.3	8th Floor	10/22/01	<16.7	12th Floor	01/18/02	<14.3
10th Floor	10/29/01	<12.5	6th Floor	10/24/01	<12.5	4th Floor-Roof	01/18/02	<14.3
Roof	10/29/01	<12.5	7th Floor	10/26/01	<12.5	4th Floor-Roof	01/23/02	<10
15th Floor	10/31/01	<10	5th Floor	10/29/01	<11.1	13th Floor	01/23/02	<10
Roof	10/31/01	<10	11th Floor	11/29/01	<10	14th Floor	01/31/02	<10
14th Floor	11/01/01	<9.1	4th Floor - Roof	11/29/01	<10	4th Floor-Roof	01/31/02	<10
Roof	11/01/01	<12.5	8th Floor	11/30/01	<10	17th Floor	02/08/02	<14.3
13th Floor	11/03/01	<11.1	4th Floor - Roof	11/30/01	<10	4th Floor Roof	02/08/02	<16.7
Roof	11/05/01	37.50	6th Floor	12/04/01	<10	16th Floor	02/11/02	<14.3
15th Floor	11/08/01	10.00	4th Floor - Roof	12/04/01	<10	4th Floor-Roof	02/11/02	<16.7
Roof	11/08/01	<12.5	7th Floor	12/05/01	<10	7th Floor	02/14/02	<16.7
9th Floor	11/09/01	<10	4th Floor - Roof	12/05/01	<10	4th Floor-Roof	02/14/02	<16.7
Roof	11/09/01	<11.1	9th Floor	12/06/01	<10	9th Floor	02/15/02	<14.3
12th Floor	11/13/01	<12.5	4th Floor - Roof	12/06/01	<10	4th Floor-Roof	02/15/02	<14.3
2nd Floor	11/14/01	<11.1	16th Floor	12/10/01	<10	10th Floor	02/19/02	<16.7
			4th Floor-Roof	12/10/01	<10	4th Floor-Roof	02/19/02	<16.7
			10th Floor	12/11/01	<10	12th Floor	02/21/02	<16.7
			4th Floor-Roof	12/11/01	<10	4th Floor-Roof	02/21/02	<14.3
			5th Floor	12/12/01	10	13th Floor	02/22/02	<16.7
			4th Floor-Roof	12/12/01	<10	4th Floor	02/22/02	<14.3
			4th Floor-Roof	12/18/01	<11.1			
			5th Floor	12/18/01	<16.7			
			12th Floor	12/20/01	<14.3			
			4th Floor-Roof	12/20/01	<12.5			
			4th Floor-Roof	12/27/01	<12.5			
			B level	12/27/01	<14.3			
			4th Floor-Roof	12/28/01	<14.3			
			1st Floor	12/28/01	<12.5			
			16th Floor	01/03/02	<16.4			
			4th Floor-Roof	01/03/02	<14.3			
			13th Floor	01/04/02	<16.7			
			4th Floor-Roof	01/04/02	<20			
			3rd Floor	01/09/02	<20			
			4th Floor-Roof	01/09/02	<16			

Golden Corporation
CPN: 01204

2/02