

LETTER OF TRANSMITTAL

To: New York City DEP

Bureau of Environmental Compliance
59-17 Junction Blvd.
Corona, NY 11368

Att: R. Radhakrishnan, P.E., Director

From: Benjamin M. Sallemi
 Sr. Project Manager

Date: 5/10/02

Re: 99 Church Street

Job No: 15.71108.0017

Copy: File

We are sending you ☒ Attached ☐ Under separate cover via _____ the following items:
☐ Change order ☐ Plans ☐ Samples ☐ Shop drawings ☐ Specifications
☐ Copy of letter ☐ Prints ☒ Other Investigation Report

Copies	Date	Job No.	Description
1	5/10/02		Response to your correspondence dated 5/3/02.

These are transmitted as checked below:

☐ Approved as submitted ☐ For bids use ☐ Return ☐ corrected prints
☐ Approved as noted ☒ For your use ☐ Resubmit ☐ copies for approval
☒ As requested ☐ Return for corrections ☐ Submit ☐ copies for distribution
☐ For review and comment ☐ Other _____

Remarks: If you have questions or comments, please contact me at (212) 353-8280, ext. 295

Mr. Radhakrishnan, on behalf of our Client, ATC Associates is forwarding this roof debris sampling letter to your attention documenting that no further action is required to clean the roofs at 99 church Street.

Should you have any questions, please contact me at the above referenced telephone number.

Signed:

Benjamin M. Sallemi

cc: walter Symanski, Ctu

ATC Associates Inc.

104 E. 25th St., 10th Floor, New York, NY 10010-2917

(212) 353-8280 Fax (212) 353 8306

BULK ASBESTOS ANALYSIS RESULTS

Client : ATC Associates, Inc. - New York

Project: 15-71108-0017
Cushman & Wakefield
99 Church Street

Batch # : 20359
Date Collected : 5/08/02

Page : 1

SAMPLE INFORMATION	Asbestos Result	Fibrous Material	Non-Fibrous Material	NOB Result
Field # : BMS-1 Date Analyzed: 5/09/02 Color : Location : 12th floor Southwest Area Type of Mat: Roof Debris Homogeneity : Y By : RP Method : ELAP+EPA NOB-PLM/TEM	Trace% CHRYSOTILE			12.1 % Organic 20.2 % Residue 67.7 % Carbonate
Comment:				
Field # : BMS-2 Date Analyzed: 5/09/02 Color : Location : 12th floor Southwest Area Type of Mat: Roof Debris Homogeneity : Y By : RP Method : ELAP+EPA NOB-PLM/TEM	NONE-DETECTED			18.6 % Organic 40.1 % Residue 41.3 % Carbonate
Comment:				
Field # : BMS-3 Date Analyzed: 5/09/02 Color : Location : 13th Northwest Area Type of Mat: Roof Debris Homogeneity : Y By : RP Method : ELAP+EPA NOB-PLM/TEM	NONE-DETECTED			7.7 % Organic 66.7 % Residue 25.6 % Carbonate
Comment:				

Legend: TRACE = LESS THAN LIMIT OF QUANTITATION (<0.25%)

Note 1: For point counts the limit of quantitation of 0.25% is based on one asbestos point counted over 400 non-empty points.

Note 2: >1% asbestos by weight is considered an ACM (Asbestos Containing Material).

Analyst:

Reviewed and Signed for the Company by:



 Director of Laboratory Services

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor - New York, NY 10010 • Phone (212) 353 - 8280, FAX (212) 353 - 3599 or 8306

NVLAP 101187
ELAP 10879

Microscope OLYMP BH-2

Client / Project

Cushman & Wakefield / 59 Church ST

Project No.

71108.217

Analysis Date

5/19/02

Analyst

Batch No.

20359

1	Field No. <i>1</i>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM % Chrysotile Amosite Other	Other Fibrous % Cellulose Fiberglass Other	Non Fibrous % Mineral Filler Organic Binders Vermiculite Other	Gravimetric (NOB) Results % <i>12.1</i> Organic <i>20.2</i> Residue <i>67.7</i> Carbonate Other <i>Th Asbestos</i> <i>Chrysotile</i>
		Color	Texture	Morphology	Extinction				
		Homogeneity	Asbestos	RI I	RI II				
		# of Layers	Asbestos	DS Color	Color, Pleo				
Gravimetric (NOB) Required ☐		Gravimetric (NOB) PLM ☒		Gravimetric (NOB) TEM ☒					
Comments: Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA ☐ First 4 preps. Asbestos = 0									

2	Field No. <i>2</i>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM % Chrysotile Amosite Other	Other Fibrous % Cellulose Fiberglass Other	Non Fibrous % Mineral Filler Organic Binders Vermiculite Other	Gravimetric (NOB) Results % <i>18.6</i> Organic <i>40.1</i> Residue <i>41.3</i> Carbonate Other <i>0.0</i> Asbestos
		Color	Texture	Morphology	Extinction				
		Homogeneity	Asbestos	RI I	RI II				
		# of Layers	Asbestos	DS Color	Color, Pleo				
Gravimetric (NOB) Required ☐		Gravimetric (NOB) PLM ☒		Gravimetric (NOB) TEM ☒					
Comments: Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA ☐ First 4 preps. Asbestos = 0									

3	Field No. <i>3</i>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM % Chrysotile Amosite Other	Other Fibrous % Cellulose Fiberglass Other	Non Fibrous % Mineral Filler Organic Binders Vermiculite Other	Gravimetric (NOB) Results % <i>7.7</i> Organic <i>66.7</i> Residue <i>25.6</i> Carbonate Other <i>0.0</i> Asbestos
		Color	Texture	Morphology	Extinction				
		Homogeneity	Asbestos	RI I	RI II				
		# of Layers	Asbestos	DS Color	Color, Pleo				
Gravimetric (NOB) Required ☐		Gravimetric (NOB) PLM ☒		Gravimetric (NOB) TEM ☒					
Comments: Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA ☐ First 4 preps. Asbestos = 0									

4	Field No. <i>4</i>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM % Chrysotile Amosite Other	Other Fibrous % Cellulose Fiberglass Other	Non Fibrous % Mineral Filler Organic Binders Vermiculite Other	Gravimetric (NOB) Results % Organic Residue Carbonate Other Asbestos
		Color	Texture	Morphology	Extinction				
		Homogeneity	Asbestos	RI I	RI II				
		# of Layers	Asbestos	DS Color	Color, Pleo				
Gravimetric (NOB) Required ☐		Gravimetric (NOB) PLM ☒		Gravimetric (NOB) TEM ☒					
Comments: Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCANNING OPTION: ELAP (P.C.) & EPA ☐ First 4 preps. Asbestos = 0									

Clubman / 99 Church

20359

15.7118.8.0017

20/80/50

5

Mr. Board

Methods: ELAP as per items 198.1 and 198.4
EPA 600/R-93/116

2028

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

BULK SAMPLE LOCATION

CHAIN OF CUSTODY

LAB INFORMATION

NY-13 (3/99)

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor - New York, NY 10010 - Phone (212) 353 - 8280, FAX (212) 353 - 3599 or 8306

IVLAP 101187

ELAP 10079

Microscope OLVP BII 2

Project No. 71108-0020Batch No. 19449Client / Project Chadman & Walsh, LLC / Monthly & 999 Charles StAnalysis Date 9/18/01 Analyst GP Alvarado

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>2</u> Color of Layer <u>h</u>	Morphology <u>W</u> RI <u>1.724</u> DS Color <u>h</u> Biref <u>+</u>	Extinction <u>h</u> RI II <u>1.177</u> Color, Pleo <u>h</u> Sign <u>+</u>	Cellulose <u>23.75</u> Fiberglass <u>4.6</u> Other <u>h</u>	Mineral Filler <u>3.0</u> Organic Binders <u>h</u> Vermiculite <u>h</u> Other <u>h</u>	Organic <u>h</u> Residue <u>h</u> Carbonate <u>h</u> Other <u>h</u> Asbestos <u>h</u>
Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCORING OPTION 1: ELAP (P.C.) 1.5 EPA First 4 prep. Asbestos = 0						

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
2	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>2</u> Color of Layer <u>h</u>	Morphology <u>W</u> RI <u>1.724</u> DS Color <u>h</u> Biref <u>+</u>	Extinction <u>h</u> RI II <u>1.177</u> Color, Pleo <u>h</u> Sign <u>+</u>	Cellulose <u>36.25</u> Fiberglass <u>4.0</u> Other <u>h</u>	Mineral Filler <u>2.3</u> Organic Binders <u>h</u> Vermiculite <u>h</u> Other <u>h</u>	Organic <u>h</u> Residue <u>h</u> Carbonate <u>h</u> Other <u>h</u> Asbestos <u>h</u>
Method: ☒ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCORING OPTION 1: ELAP (P.C.) 1.5 EPA First 4 prep. Asbestos = 0						

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
3	Color <u>h</u> Homogeneity <u>h</u> # of Layers <u>h</u> Color of Layer <u>h</u>	Morphology <u>h</u> RI <u>h</u> DS Color <u>h</u> Biref <u>h</u>	Extinction <u>h</u> RI II <u>h</u> Color, Pleo <u>h</u> Sign <u>h</u>	Cellulose <u>h</u> Fiberglass <u>h</u> Other <u>h</u>	Mineral Filler <u>h</u> Organic Binders <u>h</u> Vermiculite <u>h</u> Other <u>h</u>	Organic <u>h</u> Residue <u>h</u> Carbonate <u>h</u> Other <u>h</u> Asbestos <u>h</u>
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCORING OPTION 1: ELAP (P.C.) 1.5 EPA First 4 prep. Asbestos = 0						

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
4	Color <u>h</u> Homogeneity <u>h</u> # of Layers <u>h</u> Color of Layer <u>h</u>	Morphology <u>h</u> RI <u>h</u> DS Color <u>h</u> Biref <u>h</u>	Extinction <u>h</u> RI II <u>h</u> Color, Pleo <u>h</u> Sign <u>h</u>	Cellulose <u>h</u> Fiberglass <u>h</u> Other <u>h</u>	Mineral Filler <u>h</u> Organic Binders <u>h</u> Vermiculite <u>h</u> Other <u>h</u>	Organic <u>h</u> Residue <u>h</u> Carbonate <u>h</u> Other <u>h</u> Asbestos <u>h</u>
Method: ☐ ELAP + EPA ☐ ELAP ☐ EPA ☐ OTHER ☐ SCORING OPTION 1: ELAP (P.C.) 1.5 EPA First 4 prep. Asbestos = 0						



104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

September 27, 2001

VIA FACSIMILE: 212-635-0872

Mr. Joe Freda
Cushman & Wakefield, Inc.
99 Church Street
New York, New York 10007

**Re: 99 Church Street, New York, New York
World Trade Center Emergency Response**

Dear Mr. Freda,

ATC Associates Inc. (ATC) has been retained to respond for emergency clean up at the above referenced site. ATC collected bulk samples of interior dust accumulations and subjected them to Polarized Light Microscopy (PLM) analysis on September 18, 2001. The analysis documents that the dust was not asbestos containing. However, the results did show that trace amounts (<1%) of asbestos was present, therefore, as a precaution, the bulk clean up was performed by a licensed asbestos abatement contractor, Pinnacle Environmental Corp.

ATC observed daily cleaning activities, performed the required visual inspections and collected air samples within the building following the clean up. Analytical results showed airborne fiber concentration within the building to be less than the regulatory standard of 0.01 fibers per cubic centimeter of air (<0.01 f/cc) by Phase Contrast Microscopy (PCM) analysis at the time of testing. Based upon ATC's observation of work and the satisfactory air monitoring results it is ATC's opinion that the work was performed in substantial compliance with applicable regulations and that the abatement area meets the regulatory criteria for re-occupancy.

ATC Associates Inc. certifies the information contained herein is based on the physical inspections conducted by ATC and the air sample data collected during the work. All areas were cleared for reoccupancy by PCM.

If you have any questions or require additional explanation of the information presented please do not hesitate to call me at 212-353-8280

Sincerely,

Benjamin M. Sallemi
Senior Project Manager
ATC Associates Inc.

Cc: M. Rocco Via Fascimile 413-513-2356

✓

שם: _____

19497

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

BULK SAMPLE LOCATION

CHAIN OF CUSTODY

LAB INFORMATION

NY-13 (3/89)

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor, New York, NY 10010 Phone (212) 353-8780, FAX (212) 353-3599 or 800

NYC 9/11
ET 212 10070

Microscopic ID of R012

Client / Project Cushman/9/11 Church St Project No 7108-0017

Analysis Date 2/14/02 Analyst GPA Batch No 20028

Field No <u>1</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>1</u> # of layers <u>1</u> Color of Layer <u>tan</u> Detected <u>Yes</u> No <u>No</u>	PLM Optical Properties Birefringence <u>tan</u> RI <u>1.5</u> US Color <u>tan</u> Brief <u>tan</u> Sign <u>tan</u>	Asbestos Results PLM % Chrysotile <u>100</u> Amosite <u>0</u> Other <u>0</u>	Other Fibrous % Cellulose <u>100</u> Fiberglass <u>0</u> Other <u>0</u>	Fiber Filaments % Fibrous <u>100</u> Fiberglass <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Grain Count (R012) Results % Fibrous <u>100</u> Fiberglass <u>0</u> Vermiculite <u>0</u> Other <u>0</u>
Method: ☐ R012 ☐ R013 ☐ R014 ☐ R015 ☐ R016 ☐ R017 ☐ R018 ☐ R019 ☐ R020 ☐ R021 ☐ R022 ☐ R023 ☐ R024 ☐ R025 ☐ R026 ☐ R027 ☐ R028 ☐ R029 ☐ R030 ☐ R031 ☐ R032 ☐ R033 ☐ R034 ☐ R035 ☐ R036 ☐ R037 ☐ R038 ☐ R039 ☐ R040 ☐ R041 ☐ R042 ☐ R043 ☐ R044 ☐ R045 ☐ R046 ☐ R047 ☐ R048 ☐ R049 ☐ R050 ☐ R051 ☐ R052 ☐ R053 ☐ R054 ☐ R055 ☐ R056 ☐ R057 ☐ R058 ☐ R059 ☐ R060 ☐ R061 ☐ R062 ☐ R063 ☐ R064 ☐ R065 ☐ R066 ☐ R067 ☐ R068 ☐ R069 ☐ R070 ☐ R071 ☐ R072 ☐ R073 ☐ R074 ☐ R075 ☐ R076 ☐ R077 ☐ R078 ☐ R079 ☐ R080 ☐ R081 ☐ R082 ☐ R083 ☐ R084 ☐ R085 ☐ R086 ☐ R087 ☐ R088 ☐ R089 ☐ R090 ☐ R091 ☐ R092 ☐ R093 ☐ R094 ☐ R095 ☐ R096 ☐ R097 ☐ R098 ☐ R099 ☐ R100 ☐ R101 ☐ R102 ☐ R103 ☐ R104 ☐ R105 ☐ R106 ☐ R107 ☐ R108 ☐ R109 ☐ R110 ☐ R111 ☐ R112 ☐ R113 ☐ R114 ☐ R115 ☐ R116 ☐ R117 ☐ R118 ☐ R119 ☐ R120 ☐ R121 ☐ R122 ☐ R123 ☐ R124 ☐ R125 ☐ R126 ☐ R127 ☐ R128 ☐ R129 ☐ R130 ☐ R131 ☐ R132 ☐ R133 ☐ R134 ☐ R135 ☐ R136 ☐ R137 ☐ R138 ☐ R139 ☐ R140 ☐ R141 ☐ R142 ☐ R143 ☐ R144 ☐ R145 ☐ R146 ☐ R147 ☐ R148 ☐ R149 ☐ R150 ☐ R151 ☐ R152 ☐ R153 ☐ R154 ☐ R155 ☐ R156 ☐ R157 ☐ R158 ☐ R159 ☐ R160 ☐ R161 ☐ R162 ☐ R163 ☐ R164 ☐ R165 ☐ R166 ☐ R167 ☐ R168 ☐ R169 ☐ R170 ☐ R171 ☐ R172 ☐ R173 ☐ R174 ☐ R175 ☐ R176 ☐ R177 ☐ R178 ☐ R179 ☐ R180 ☐ R181 ☐ R182 ☐ R183 ☐ R184 ☐ R185 ☐ R186 ☐ R187 ☐ R188 ☐ R189 ☐ R190 ☐ R191 ☐ R192 ☐ R193 ☐ R194 ☐ R195 ☐ R196 ☐ R197 ☐ R198 ☐ R199 ☐ R200 ☐ R201 ☐ R202 ☐ R203 ☐ R204 ☐ R205 ☐ R206 ☐ R207 ☐ R208 ☐ R209 ☐ R210 ☐ R211 ☐ R212 ☐ R213 ☐ R214 ☐ R215 ☐ R216 ☐ R217 ☐ R218 ☐ R219 ☐ R220 ☐ R221 ☐ R222 ☐ R223 ☐ R224 ☐ R225 ☐ R226 ☐ R227 ☐ R228 ☐ R229 ☐ R230 ☐ R231 ☐ R232 ☐ R233 ☐ R234 ☐ R235 ☐ R236 ☐ R237 ☐ R238 ☐ R239 ☐ R240 ☐ R241 ☐ R242 ☐ R243 ☐ R244 ☐ R245 ☐ R246 ☐ R247 ☐ R248 ☐ R249 ☐ R250 ☐ R251 ☐ R252 ☐ R253 ☐ R254 ☐ R255 ☐ R256 ☐ R257 ☐ R258 ☐ R259 ☐ R260 ☐ R261 ☐ R262 ☐ R263 ☐ R264 ☐ R265 ☐ R266 ☐ R267 ☐ R268 ☐ R269 ☐ R270 ☐ R271 ☐ R272 ☐ R273 ☐ R274 ☐ R275 ☐ R276 ☐ R277 ☐ R278 ☐ R279 ☐ R280 ☐ R281 ☐ R282 ☐ R283 ☐ R284 ☐ R285 ☐ R286 ☐ R287 ☐ R288 ☐ R289 ☐ R290 ☐ R291 ☐ R292 ☐ R293 ☐ R294 ☐ R295 ☐ R296 ☐ R297 ☐ R298 ☐ R299 ☐ R300 ☐ R301 ☐ R302 ☐ R303 ☐ R304 ☐ R305 ☐ R306 ☐ R307 ☐ R308 ☐ R309 ☐ R310 ☐ R311 ☐ R312 ☐ R313 ☐ R314 ☐ R315 ☐ R316 ☐ R317 ☐ R318 ☐ R319 ☐ R320 ☐ R321 ☐ R322 ☐ R323 ☐ R324 ☐ R325 ☐ R326 ☐ R327 ☐ R328 ☐ R329 ☐ R330 ☐ R331 ☐ R332 ☐ R333 ☐ R334 ☐ R335 ☐ R336 ☐ R337 ☐ R338 ☐ R339 ☐ R340 ☐ R341 ☐ R342 ☐ R343 ☐ R344 ☐ R345 ☐ R346 ☐ R347 ☐ R348 ☐ R349 ☐ R350 ☐ R351 ☐ R352 ☐ R353 ☐ R354 ☐ R355 ☐ R356 ☐ R357 ☐ R358 ☐ R359 ☐ R360 ☐ R361 ☐ R362 ☐ R363 ☐ R364 ☐ R365 ☐ R366 ☐ R367 ☐ R368 ☐ R369 ☐ R370 ☐ R371 ☐ R372 ☐ R373 ☐ R374 ☐ R375 ☐ R376 ☐ R377 ☐ R378 ☐ R379 ☐ R380 ☐ R381 ☐ R382 ☐ R383 ☐ R384 ☐ R385 ☐ R386 ☐ R387 ☐ R388 ☐ R389 ☐ R390 ☐ R391 ☐ R392 ☐ R393 ☐ R394 ☐ R395 ☐ R396 ☐ R397 ☐ R398 ☐ R399 ☐ R400 ☐ R401 ☐ R402 ☐ R403 ☐ R404 ☐ R405 ☐ R406 ☐ R407 ☐ R408 ☐ R409 ☐ R410 ☐ R411 ☐ R412 ☐ R413 ☐ R414 ☐ R415 ☐ R416 ☐ R417 ☐ R418 ☐ R419 ☐ R420 ☐ R421 ☐ R422 ☐ R423 ☐ R424 ☐ R425 ☐ R426 ☐ R427 ☐ R428 ☐ R429 ☐ R430 ☐ R431 ☐ R432 ☐ R433 ☐ R434 ☐ R435 ☐ R436 ☐ R437 ☐ R438 ☐ R439 ☐ R440 ☐ R441 ☐ R442 ☐ R443 ☐ R444 ☐ R445 ☐ R446 ☐ R447 ☐ R448 ☐ R449 ☐ R450 ☐ R451 ☐ R452 ☐ R453 ☐ R454 ☐ R455 ☐ R456 ☐ R457 ☐ R458 ☐ R459 ☐ R460 ☐ R461 ☐ R462 ☐ R463 ☐ R464 ☐ R465 ☐ R466 ☐ R467 ☐ R468 ☐ R469 ☐ R470 ☐ R471 ☐ R472 ☐ R473 ☐ R474 ☐ R475 ☐ R476 ☐ R477 ☐ R478 ☐ R479 ☐ R480 ☐ R481 ☐ R482 ☐ R483 ☐ R484 ☐ R485 ☐ R486 ☐ R487 ☐ R488 ☐ R489 ☐ R490 ☐ R491 ☐ R492 ☐ R493 ☐ R494 ☐ R495 ☐ R496 ☐ R497 ☐ R498 ☐ R499 ☐ R500 ☐ R501 ☐ R502 ☐ R503 ☐ R504 ☐ R505 ☐ R506 ☐ R507 ☐ R508 ☐ R509 ☐ R510 ☐ R511 ☐ R512 ☐ R513 ☐ R514 ☐ R515 ☐ R516 ☐ R517 ☐ R518 ☐ R519 ☐ R520 ☐ R521 ☐ R522 ☐ R523 ☐ R524 ☐ R525 ☐ R526 ☐ R527 ☐ R528 ☐ R529 ☐ R530 ☐ R531 ☐ R532 ☐ R533 ☐ R534 ☐ R535 ☐ R536 ☐ R537 ☐ R538 ☐ R539 ☐ R540 ☐ R541 ☐ R542 ☐ R543 ☐ R544 ☐ R545 ☐ R546 ☐ R547 ☐ R548 ☐ R549 ☐ R550 ☐ R551 ☐ R552 ☐ R553 ☐ R554 ☐ R555 ☐ R556 ☐ R557 ☐ R558 ☐ R559 ☐ R560 ☐ R561 ☐ R562 ☐ R563 ☐ R564 ☐ R565 ☐ R566 ☐ R567 ☐ R568 ☐ R569 ☐ R570 ☐ R571 ☐ R572 ☐ R573 ☐ R574 ☐ R575 ☐ R576 ☐ R577 ☐ R578 ☐ R579 ☐ R580 ☐ R581 ☐ R582 ☐ R583 ☐ R584 ☐ R585 ☐ R586 ☐ R587 ☐ R588 ☐ R589 ☐ R590 ☐ R591 ☐ R592 ☐ R593 ☐ R594 ☐ R595 ☐ R596 ☐ R597 ☐ R598 ☐ R599 ☐ R600 ☐ R601 ☐ R602 ☐ R603 ☐ R604 ☐ R605 ☐ R606 ☐ R607 ☐ R608 ☐ R609 ☐ R610 ☐ R611 ☐ R612 ☐ R613 ☐ R614 ☐ R615 ☐ R616 ☐ R617 ☐ R618 ☐ R619 ☐ R620 ☐ R621 ☐ R622 ☐ R623 ☐ R624 ☐ R625 ☐ R626 ☐ R627 ☐ R628 ☐ R629 ☐ R630 ☐ R631 ☐ R632 ☐ R633 ☐ R634 ☐ R635 ☐ R636 ☐ R637 ☐ R638 ☐ R639 ☐ R640 ☐ R641 ☐ R642 ☐ R643 ☐ R644 ☐ R645 ☐ R646 ☐ R647 ☐ R648 ☐ R649 ☐ R650 ☐ R651 ☐ R652 ☐ R653 ☐ R654 ☐ R655 ☐ R656 ☐ R657 ☐ R658 ☐ R659 ☐ R660 ☐ R661 ☐ R662 ☐ R663 ☐ R664 ☐ R665 ☐ R666 ☐ R667 ☐ R668 ☐ R669 ☐ R670 ☐ R671 ☐ R672 ☐ R673 ☐ R674 ☐ R675 ☐ R676 ☐ R677 ☐ R678 ☐ R679 ☐ R680 ☐ R681 ☐ R682 ☐ R683 ☐ R684 ☐ R685 ☐ R686 ☐ R687 ☐ R688 ☐ R689 ☐ R690 ☐ R691 ☐ R692 ☐ R693 ☐ R694 ☐ R695 ☐ R696 ☐ R697 ☐ R698 ☐ R699 ☐ R700 ☐ R701 ☐ R702 ☐ R703 ☐ R704 ☐ R705 ☐ R706 ☐ R707 ☐ R708 ☐ R709 ☐ R710 ☐ R711 ☐ R712 ☐ R713 ☐ R714 ☐ R715 ☐ R716 ☐ R717 ☐ R718 ☐ R719 ☐ R720 ☐ R721 ☐ R722 ☐ R723 ☐ R724 ☐ R725 ☐ R726 ☐ R727 ☐ R728 ☐ R729 ☐ R730 ☐ R731 ☐ R732 ☐ R733 ☐ R734 ☐ R735 ☐ R736 ☐ R737 ☐ R738 ☐ R739 ☐ R740 ☐ R741 ☐ R742 ☐ R743 ☐ R744 ☐ R745 ☐ R746 ☐ R747 ☐ R748 ☐ R749 ☐ R750 ☐ R751 ☐ R752 ☐ R753 ☐ R754 ☐ R755 ☐ R756 ☐ R757 ☐ R758 ☐ R759 ☐ R760 ☐ R761 ☐ R762 ☐ R763 ☐ R764 ☐ R765 ☐ R766 ☐ R767 ☐ R768 ☐ R769 ☐ R770 ☐ R771 ☐ R772 ☐ R773 ☐ R774 ☐ R775 ☐ R776 ☐ R777 ☐ R778 ☐ R779 ☐ R780 ☐ R781 ☐ R782 ☐ R783 ☐ R784 ☐ R785 ☐ R786 ☐ R787 ☐ R788 ☐ R789 ☐ R790 ☐ R791 ☐ R792 ☐ R793 ☐ R794 ☐ R795 ☐ R796 ☐ R797 ☐ R798 ☐ R799 ☐ R800 ☐ R801 ☐ R802 ☐ R803 ☐ R804 ☐ R805 ☐ R806 ☐ R807 ☐ R808 ☐ R809 ☐ R810 ☐ R811 ☐ R812 ☐ R813 ☐ R814 ☐ R815 ☐ R816 ☐ R817 ☐ R818 ☐ R819 ☐ R820 ☐ R821 ☐ R822 ☐ R823 ☐ R824 ☐ R825 ☐ R826 ☐ R827 ☐ R828 ☐ R829 ☐ R830 ☐ R831 ☐ R832 ☐ R833 ☐ R834 ☐ R835 ☐ R836 ☐ R837 ☐ R838 ☐ R839 ☐ R840 ☐ R841 ☐ R842 ☐ R843 ☐ R844 ☐ R845 ☐ R846 ☐ R847 ☐ R848 ☐ R849 ☐ R850 ☐ R851 ☐ R852 ☐ R853 ☐ R854 ☐ R855 ☐ R856 ☐ R857 ☐ R858 ☐ R859 ☐ R860 ☐ R861 ☐ R862 ☐ R863 ☐ R864 ☐ R865 ☐ R866 ☐ R867 ☐ R868 ☐ R869 ☐ R870 ☐ R871 ☐ R872 ☐ R873 ☐ R874 ☐ R875 ☐ R876 ☐ R877 ☐ R878 ☐ R879 ☐ R880 ☐ R881 ☐ R882 ☐ R883 ☐ R884 ☐ R885 ☐ R886 ☐ R887 ☐ R888 ☐ R889 ☐ R890 ☐ R891 ☐ R892 ☐ R893 ☐ R894 ☐ R895 ☐ R896 ☐ R897 ☐ R898 ☐ R899 ☐ R900 ☐ R901 ☐ R902 ☐ R903 ☐ R904 ☐ R905 ☐ R906 ☐ R907 ☐ R908 ☐ R909 ☐ R910 ☐ R911 ☐ R912 ☐ R913 ☐ R914 ☐ R915 ☐ R916 ☐ R917 ☐ R918 ☐ R919 ☐ R920 ☐ R921 ☐ R922 ☐ R923 ☐ R924 ☐ R925 ☐ R926 ☐ R927 ☐ R928 ☐ R929 ☐ R930 ☐ R931 ☐ R932 ☐ R933 ☐ R934 ☐ R935 ☐ R936 ☐ R937 ☐ R938 ☐ R939 ☐ R940 ☐ R941 ☐ R942 ☐ R943 ☐ R944 ☐ R945 ☐ R946 ☐ R947 ☐ R948 ☐ R949 ☐ R950 ☐ R951 ☐ R952 ☐ R953 ☐ R954 ☐ R955 ☐ R956 ☐ R957 ☐ R958 ☐ R959 ☐ R960 ☐ R961 ☐ R962 ☐ R963 ☐ R964 ☐ R965 ☐ R966 ☐ R967 ☐ R968 ☐ R969 ☐ R970 ☐ R971 ☐ R972 ☐ R973 ☐ R974 ☐ R975 ☐ R976 ☐ R977 ☐ R978 ☐ R979 ☐ R980 ☐ R981 ☐ R982 ☐ R983 ☐ R984 ☐ R985 ☐ R986 ☐ R987 ☐ R988 ☐ R989 ☐ R990 ☐ R991 ☐ R992 ☐ R993 ☐ R994 ☐ R995 ☐ R996 ☐ R997 ☐ R998 ☐ R999 ☐ R1000 ☐ R1001 ☐ R1002 ☐ R1003 ☐ R1004 ☐ R1005 ☐ R1006 ☐ R1007 ☐ R1008 ☐ R1009 ☐ R1010 ☐ R1011 ☐ R1012 ☐ R1013 ☐ R1014 ☐ R1015 ☐ R1016 ☐ R1017 ☐ R1018 ☐ R1019 ☐ R1020 ☐ R1021 ☐ R1022 ☐ R1023 ☐ R1024 ☐ R1025 ☐ R1026 ☐ R1027 ☐ R1028 ☐ R1029 ☐ R1030 ☐ R1031 ☐ R1032 ☐ R1033 ☐ R1034 ☐ R1035 ☐ R1036 ☐ R1037 ☐ R1038 ☐ R1039 ☐ R1040 ☐ R1041 ☐ R1042 ☐ R1043 ☐ R1044 ☐ R1045 ☐ R1046 ☐ R1047 ☐ R1048 ☐ R1049 ☐ R1050 ☐ R1051 ☐ R1052 ☐ R1053 ☐ R1054 ☐ R1055 ☐ R1056 ☐ R1057 ☐ R1058 ☐ R1059 ☐ R1060 ☐ R1061 ☐ R1062 ☐ R1063 ☐ R1064 ☐ R1065 ☐ R1066 ☐ R1067 ☐ R1068 ☐ R1069 ☐ R1070 ☐ R1071 ☐ R1072 ☐ R1073 ☐ R1074 ☐ R1075 ☐ R1076 ☐ R1077 ☐ R1078 ☐ R1079 ☐ R1080 ☐ R1081 ☐ R1082 ☐ R1083 ☐ R1084 ☐ R1085 ☐ R1086 ☐ R1087 ☐ R1088 ☐ R1089 ☐ R1090 ☐ R1091 ☐ R1092 ☐ R1093 ☐ R1094 ☐ R1095 ☐ R1096 ☐ R1097 ☐ R1098 ☐ R1099 ☐ R1100 ☐ R1101 ☐ R1102 ☐ R1103 ☐ R1104 ☐ R1105 ☐ R1106 ☐ R1107 ☐ R1108 ☐ R1109 ☐ R1110 ☐ R1111 ☐ R1112 ☐ R1113 ☐ R1114 ☐ R1115 ☐ R1116 ☐ R1117 ☐ R1118 ☐ R1119 ☐ R1120 ☐ R1121 ☐ R1122 ☐ R1123 ☐ R1124 ☐ R1125 ☐ R1126 ☐ R1127 ☐ R1128 ☐ R1129 ☐ R1130 ☐ R1131 ☐ R1132 ☐ R1133 ☐ R1134 ☐ R1135 ☐ R1136 ☐ R1137 ☐ R1138 ☐ R1139 ☐ R1140 ☐ R1141 ☐ R1142 ☐ R1143 ☐ R1144 ☐ R1145 ☐ R1146 ☐ R1147 ☐ R1148 <						

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

1944-1945

Ex - 1. 1111, 12

Life expectancy at birth:

1001 East 5th Street, 10th Floor, New York, NY 10010

Thione (212) 15.7-17.0%, FA% (212) 15.1-15.9 or 16.4%

1:00 p.m. - 1:15 p.m.

Carthagen 16/19 Church St

Subject to

7108-2017

Avail. St. 1440

2/19/02.

Appendix

GA

Udgifter

20028

[illegible]

Stereoscopic Exam		PFA Optical Properties		Asbestos Results PI M %	Other Fibrous %	Other Fibrous %	Grain Size (microns)
Color	In-line	Fluorescence	Extinction	Chrysotile	Chrysotile	Other	100
Homogeneity	Asbestos	RI	RI	Amosite	Amosite	Other	100
Number of layers		OSI	Color Photo	Other	Other	Other	100
Color of layers	Yes No	Bred	Signs				100
Comments: See Y							
Method: 100 100 100 100 100 100 100 100							

[illegible]

Stereoscopy Exam		P.M. Optical Properties		Asbestos Results P.M. %		Other Fibers %		Fiber Fibers %		Total Results (HBM)	
Color	Texture	Asbestos	Exclusion	Chrysotile	Other	Cellulose	Other	Fibers	Fiber	Results	Results
Transparency	Asbestos	RI	RI II	Asbestos	Other	Fibers	Fiber	Fibers	Fiber	Results	Results
Number of Layers	Detected	RI	RI II	Asbestos	Other	Fibers	Fiber	Fibers	Fiber	Results	Results
Comments:		RI	RI II	Asbestos	Other	Fibers	Fiber	Fibers	Fiber	Results	Results
Method:		RI	RI II	Asbestos	Other	Fibers	Fiber	Fibers	Fiber	Results	Results

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, New York, N.Y. 10010. Phone (212) 753-8380, FAX (212) 753-3599 or 800-

[illegible]

1:56107, 1 / 11111

Cushman / 99 Church St.

Anal., calcd. for $C_{10}H_{10}O$

19/02

Analysis

47A

President Lyndon B. Johnson

7108-0017

134111

20028

[illegible]

Microscopic Exam		Prel Optical Properties				Asbestos Results PIA %	Other Fibers %	Thin Fibers %	Transmitt (T ₉₀)
Color	Texture	Topography	Extinction			Calcic			
Homogeneity and layers	Asbestos	PI	Hill			Amphib			
Color of Layer	Deleted	Yes	No	Color Plan		Other			
Comments:		Sign							
Method: ☐ 100x ☐ 200x ☐ 400x ☐ 1000x		Schematic Section: ☐ 100x ☐ 200x ☐ 400x ☐ 1000x		First 1 point: ☐ 100x ☐ 200x ☐ 400x ☐ 1000x					

[illegible]

Field No.	Stereoscopy, Exam				P.M. Optical Properties				Asbestos Results P.M. %	Other Fibers %	Fibers μ	Grain Size (mm)	
	Color	Texture	Transparency	Number of Layers	Polarography	RI	IR	Color Photo					Chrysotile
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
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48													
49													



104 East 25th St
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

March 4, 2002

New York City Department of Environmental Protection
59-17 Junction Blvd.
Corona, New York 11368

Re: 99 Church Street

To whom it may concern:

At the request of our client, Cushman & Wakefield as agent for Moody's Investment, ATC Associates Inc. (ATC) performed environmental monitoring services in conjunction with emergency response at the above referenced site relating to the collapse of the World Trade Center Buildings.

Enclosed please find copies of 1) Bulk sampling results collected 9/18/01, and 2/19/02. Note: Early PLM sampling returned results showing less than 1% asbestos, but as a precaution, our client elected to have a licensed abatement contractor, Pinnacle, conduct the initial cleaning within the building. 2) Proposed air quality testing scheme and schedule, dated 10/11/01. 3) General water quality sampling results from water fountain and lavatory sink testing. 4) PCM and TEM testing data during, and following emergency clean-up activities. 5) General indoor air quality testing results.

Should you need any additional information please feel free to contact me at (212) 353-8280.

Sincerely,

ATC ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'B. M. Sallemi', written over a horizontal line.

Benjamin M. Sallemi
Sr. Project Manager



104 East 25th Street
 New York, New York 10010
 www.atc-enviro.com
 212.353.8280
 Fax 212.353.8306

October 12, 2001

Mr. Walter Symanski
 Cushman & Wakefield, Inc.
 88 Pine Street
 New York, NY 10005

**Re: Air Quality Services
 at 99 Church Street
 Revised**

Dear Mr. Symanski:

Based on our previous discussions with Michael Hurle, the Owners Representative, and Joe Freda, Cushman & Wakefield, ATC Associates Inc. (ATC) is pleased to provide you with this program for indoor air quality services at the referenced site. The objective of this proposal is to assist in your approach to indoor air services following the World Trade Center collapse in the most efficient and cost-effective manner. The scope of these services includes collection of total airborne fiber samples (PCM), airborne asbestos structure samples (TEM), real-time measurements of carbon dioxide (CO₂) and carbon monoxide (CO), real-time measurements of airborne particulate (<10 µm) and of drinking water samples from each floor in order to test for potability.

INVESTIGATION

ATC shall perform the following:

1. Perform real-time measurements of temperature and relative humidity and compare them with the guidelines of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) Standard 55-1992, Thermal Environmental Conditions for Human Occupancy;
2. Perform real-time measurements of carbon dioxide (CO₂) and carbon monoxide (CO) and compare them with guidelines in ASHRAE Standard 62-1999, Ventilation for Acceptable Indoor Air Quality;
3. Perform real-time measurements of airborne particulate (<10 µm) and compare them with the guidelines in ASHRAE Standard 62-1999, Ventilation for Acceptable Indoor Air Quality;
4. Collect drinking water samples from each floor of the building in order to test for potability. These results shall be compared to both the NYSDOH and USEPA Maximum Contamination Level (MCL). All analyses shall be in accordance with the NYSDOH Part V Sanitary Code.
5. Collection of air samples for Phase Contrast Microscopy (PCM) analysis shall be conducted. The method of analysis and sampling methodologies shall be governed by New York City Department of Environmental Protection (NYCDEP) Title 15 and New York State Industrial Code Rule 56 (NYSICR 56).

Site: 99 Church Street

Cushman & Wakefield
October 12, 2001

6. Collect and analyze air samples via Transmission Electron Microscopy (TEM), which is the state-of-the-art method providing specific determination of airborne asbestos concentrations.
7. Submit a written report of test results, principal findings and possible recommendations within 10 business days.

A written report describing the investigation will be prepared for Cushman & Wakefield, Inc. may consist of:

- Executive Summary
- Procedures and methods of the investigation
- Results of real-time sampling and testing with comparison to applicable standards and regulations
- Conclusions and recommendations (if applicable)

The investigation will be carried out and the report compiled by an experienced investigator, with a quality assurance review by senior technical staff (i.e. CIH).

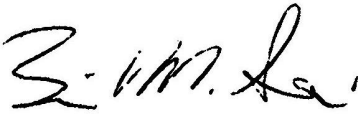
SCHEDULE

As discussed, ATC shall staff these efforts at a minimum of once per week through the duration of the year. As more data becomes available this weekly effort can be lessened if results show a stable interior environment within acceptable analytical parameters.

ATC is committed to resolving this environmental challenge quickly, economically and efficiently. Again, thank you for this opportunity. We look forward to working with Cushman & Wakefield in the future. If you have any questions or need further clarification, please call me at (212) 353-8280.

Sincerely,

ATC ASSOCIATES, INC.



Benjamin M. Sallemi
Sr. Project Manager



ASSOCIATES INC.

104 EAST 25TH STREET
NEW YORK, NEW YORK 10010-2917
(TEL.) 212-353-8280 (FAX) 212-353-8308

F A X T R A N S M I T T A L

DATE:

10/4/01

TO:

Carl Lickstein

COMPANY:

NYCDEP

ADDRESS:

PHONE NUMBER:

FAX NUMBER:

718-595-3749

FROM:

Benjamin M. Sallemi

PHONE NUMBER:

212.353.8280 ext. 295

SUBJECT:

79 Church St.

NUMBER OF PAGES TO FOLLOW COVER:

20

Message:

As requested, following are air results
from sampling conducted at the above
address following the collapse of WTC.

Thanks.

Ben Sallemi

CONFIDENTIALITY NOTICE:

The documents accompanying this transmittal contain confidential and privileged information intended for the exclusive use of the individual named above. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of the documents accompanying this transmittal is strictly prohibited. If you have received this transmittal in error, please immediately notify us by telephone (at 1.800.725.3282) to arrange for its return. Thank you.

WTC Visual Survey Form

Premise Address: 99 Church St		
Block:	Residential ☐ Commercial ☒	Name of Building:
Lot:	Mix Use ☐ Other ☐	
# of Stories: 11+1	AKA's:	
Building Owner/Management:		Telephone Number: (212) 538 1906
Name: MOODY'S investors SVC		FAX: ()
Address:		
On Site Contact:		
Name: Bill SARUA		Telephone Number: ()
Building Owner Management Activities		
Interior Survey Performed ☒ Yes ☐ No		
Exterior Survey Performed ☒ Yes ☐ No		
General Clean Up ☒ Yes ☐ No Locations: _____		
ACM Clean Up ☒ Yes ☐ No Locations: _____		
Air Monitoring ☒ Yes ☐ No Locations: _____		
Copies of All Reports and Data Requested ☒ Yes		

Visual Inspection Results:

Facade:					
North	☐ N/A	Inspected	Debris	☐ No Visible/Fine Layer	☐ ½ to 1" ☐ > 1"
South	☐ N/A	☐ Yes ☐ No	☐ No Visible/Fine Layer	☐ ½ to 1" ☐ > 1"	
East	☐ N/A	☐ Yes ☐ No	☐ No Visible/Fine Layer	☐ ½ to 1" ☐ > 1"	
West	☐ N/A	☐ Yes ☐ No	☐ No Visible/Fine Layer	☐ ½ to 1" ☐ > 1"	
Facade Description: All CLEANED					
Roof					
Debris: ☒ No Visible /Fine Layer ☐ ½ to 1" ☐ > 1"					
Description: _____					
Setbacks N/A ☐					
Floor: _____	Debris: ☐ No Visible/Fine Layer	☐ ½ to 1"	☐ > 1"	} None	
Floor: _____	Debris: ☐ No Visible/Fine Layer	☐ ½ to 1"	☐ > 1"		
Floor: _____	Debris: ☐ No Visible/Fine Layer	☐ ½ to 1"	☐ > 1"		
Floor: _____	Debris: ☐ No Visible/Fine Layer	☐ ½ to 1"	☐ > 1"		
Floor: _____	Debris: ☐ No Visible/Fine Layer	☐ ½ to 1"	☐ > 1"		
Comments					
All floors including the facade and roof have been cleaned. The entire bldg has been reoccupied.					

Date: 1/24/2002

Inspection Team: Name: AL

Agency: _____
Agency: _____



**Department of
Environmental
Protection**

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

February 8, 2002

**RONALD LEWIS
99 CHURCH STREET
NEW YORK, NY 10007**

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

**Robert C. Avaltroni
Deputy Commissioner**

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

Subject: 99 CHURCH STREET, MANHATTAN

Dear Sir/ Madam:

The New York City Department of Environmental Protection in cooperation with the New York State Department of Labor and the United States Environmental Protection Agency has continued inspections/surveys of buildings in the vicinity of the World Trade Center.

During the recent inspections/surveys, visible debris from the collapse of the Towers was observed on the roof, setbacks, and/or facades of the above referenced building. In accordance with previously issued guidelines, copies of which are enclosed, these accumulations must be assessed by a NYC DEP certified investigator to determine whether the material is asbestos-containing material and then cleaned up appropriately.

Building owners are responsible for the cleaning of building exteriors, grounds, and common area. 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.

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.

Sincerely,

**R. Radhakrishnan, P.E.
Director**

Asbestos Control Program



(718) DEP-HELP



104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

September 20, 2001

ATC Associates Inc.
104 East 25th Street
New York, NY 10010
Attn: Mr. Ben Sallemi

Re: Report of TEM Analysis

Dear Mr. Sallemi:

Following are the results of transmission electron microscopy (TEM) analysis of one PCM air sample from our Group No. 5532:

Client: 99 Church Street
Project Name: 99 Church Street, NY, NY
Location: Office on SE Side
Sample received in TEM Lab: 09/20/01

These results will confirm and document the data transmitted to you today. The analyses were performed in strict conformance with the methodology of the NIOSH method 7402, Issue 2, August 15, 1994.

Forty grid openings from the sample were examined at relatively low magnifications (approximately 1,000X and 10,000X) for structures greater than 5um in length and widths between 0.25um and 3um, and having a length-to-width ratio greater than 3:1. These structures would be large enough to be observed by PCM analysis.

Asbestos and non-asbestos structures were detected in the sample in the following proportions:

sample	chrysotile	gypsum	fiber glass	cellulose	F/CC as Asbestos
04	8.2%	61.2%	23.5%	7.1%	0.0009

As a consequence, the sample does not exceed 0.01 F/CC as asbestos.

The analyses were supervised by Dr. Michael A. Gorycki, Director of Electron Microscopy. These analyses were performed by ATC d/b/a ATC Associates Inc. We are pleased to note that our TEM lab has received full accreditation from NVLAP and also approval under the NY State DOH ELAP program, as is currently required for recognized analysis of TEM air samples for AHERA projects. Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Michael A. Gorycki'.

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

10/04/2001 14:08 FAX 212 353 8306

ATC

003

ATC ASSOCIATES INC. - TEM ANALYSIS

Lab Sample No. 32241

Client Spl. No. 04

Instrument I.D. EM 10 CRX

Screen Magnification 15,400X

Acc. Voltage 80 kV

LAB GROUP #: 5632 - 09/20/01

Filter Type MCE 25 mm

Filter Area 385 mm²

Grid I.D. 412 205

(GO) Area 0.0124 mm²

No. GO to be Analyzed 4

Operator

Disk No.

Comments

(1.147 Struct. Corrad. to 70 s/mm².)

GO No. Coord.	Structure No.	Structure Type				Length		I.D. of Structure				N or ✓	EDS (Nonash. Elements)
		F	B	C	M	>0.5 um < 5 um	> 5um	Chrys.	Amphibole	Nonash.	Ambig./ND		
	Chrysotile					—	8 STR			8.7			
	Gypsum					—	60 STR			6.2			
	F. Glass					—	23 STR			23.5			
	Cellulose					—	7 STR			7.1			
							98						
							8 (0.011) =			0009			
							98						

Photo No. (from 1 in 5 asbestos-
containing samples)

Struct. = > 0.5um & > 3:1 Aspect Ratio

N= Not Observed (XPS spectrum or diffraction pattern)

✓ Positive diffraction pattern properties conforming
to laboratory identification criteria observed.For chrysotile: 0.7nm spacing for (020) reflections,
0.3nm spacing for the layer line repeat, streaking
of (110) and (112) reflections.For amphibole: 0.6nm layer line repeat, and approx.
0.5 ratio of non-isolated layer line repeat spacing to
layer line repeat distance (0.2nm).✓ XPS spectrum conforming to laboratory
identification criteria observed.

F= Single Fiber (1-3 intersections = 1-3 fibers)

B= Bundles (>3 fibers <1 fiber diameter apart)

C= Cluster (>3 intersections)

M= Matrix

NDS= No Structures Detected

L:\DATA\PRIVATE\MKHS\CAD047005

9/25/00

Identify all structures using EDS

Check diffraction for asbestos
structures up to 70s/mm² (1st 4)

Store all unrepeatable spectra

Grid acceptance:
-50% undissolved filter, overlapped or folded
-10% particulate coverage >50% coverage
at least 25 unfolded or overlapped grid squares
-5% holes or missing areasUnexposed portion
of filter
Avoided portion
of filter
(5mm wide)

AMPHIBOLES

Amosite
Crocidolite
Anthophyllite
Tremolite
ActinoliteSlapping Rate:
>50 s/G.G. or in 1st 4 G.G.

Totals

F B C M > Sum

Chrysotile

Amphibole

Ambiguous

Non-asbestos

Non-identified

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:	99 church st	2. Project Name	99 church st	3. Project #	1108-20	4. Project Monitoring	Visual Assessment	4c. Notometer Number:	SD-152
5. Date:	9/18/01	6. Abatement Location:	lobby / 1st fl.	7. Lead (0.8 micron NIOSH)	MUT	8. ☐ TEM (0.8 micron NIOSH)	9. Type:	☐ Abatement ☐ Background ☐ Pre-Abate	☐ Environmental ☐ Ambient ☒ Other
		2a. Project Address	99 church st	3a. Task #					
		2b. Project Address	99 church st						
		2c. Project Address	99 church st						
		2d. Project Address	99 church st						
		2e. Project Address	99 church st						
		2f. Project Address	99 church st						
		2g. Project Address	99 church st						
		2h. Project Address	99 church st						
		2i. Project Address	99 church st						
		2j. Project Address	99 church st						
		2k. Project Address	99 church st						
		2l. Project Address	99 church st						
		2m. Project Address	99 church st						
		2n. Project Address	99 church st						
		2o. Project Address	99 church st						
		2p. Project Address	99 church st						
		2q. Project Address	99 church st						
		2r. Project Address	99 church st						
		2s. Project Address	99 church st						
		2t. Project Address	99 church st						
		2u. Project Address	99 church st						
		2v. Project Address	99 church st						
		2w. Project Address	99 church st						
		2x. Project Address	99 church st						
		2y. Project Address	99 church st						
		2z. Project Address	99 church st						

DAY Y AIR SAMPLER RECORD

[illegible]

CHAIN OF CUSTODY

18. Requested By:	19. Received By:	20. Date:	21. Time:
<i>[Signature]</i>	<i>[Signature]</i>	09/11/96	2030
II			
III			

26. ATC Project Manager:	27. Result To:
Ben Sollami	ATC project manager
	Resepi Phone #78

LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 11871)

22. Lab Name:	23. Date:	24. Time:
25. Microscope Make/Serial #		
☐ Nikon Labophot 238913		
☐ Nikon Labophot 238917		
☐ Nikon Labophot 238979		
Analysis Methodology		
VPCMI - NIOSH 7400A		
TEM - AHERA		



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

5532 1PCN 59241

PROJECT INFORMATION

1. Client: 99 chur ch st
 2. Project Name: 99 chur ch st
 2a. Project Address: 99 chur ch st
 2b. Project City/State/Zip: NY NY
 3. Project # 2108-20
 3a. Task # 1
 4. Project Monitor: 99 chur ch st
 4a. Air Sampler: 1
 5. Date: 9/17/01
 6. Abatement Location: lobby / 1st fl
 7. Date of 90 day test: 9/17/01
 8. ☐ TEM (per 45 min test) ☒ Other: 1
 9. Type: 1
 9a. Background ☐ 1
 9b. Pre-Abate ☐ 1
 9c. Abatement ☐ 1
 9d. Post-Abate ☐ 1
 9e. OSHA ☐ 1
 4c. Identifier Number: SD-132

DAILY AIR SAMPLE RECORD

10. Sample ID Number	11. Pump Number	12. Sample Location		13. Time (24 hrs clock)		14. Flow Rate (L/min)		15. Total Air Vol (liters)	16. # Fibers/Fields minus Blank	17. Fiber Conc. FOC
		12a. DWA	12b. DWA	13a. Start	13b. End	14a. Start	14b. End			
01										
02										
03				1620	1820	15	15	1800	25/100	0.007
04				1622	1822	15	15	1800	39/100	0.011
05				1624	1824	15	15	1800	16/100	0.004
								7902		

CHAIN OF CUSTODY

18. Collected By: Ben Sohlami
 19. Received By: Ben Sohlami
 20. Date: 9/17/01
 21. Time: 8:30
 22. Lab Name: ATC
 23. Date: 9/17/01
 24. Time: 2:00
 25. Analyzed By: Ben Sohlami
 26. QC By: Ben Sohlami
 27. Lab Batch #: 97003
 28. Comments: ATC project manager
 29. Result To: ATC project manager
 Deepen/Phone #s: 7

LAB INFORMATION (ATC ELAP # 10879, ATC NMLAP # 1187)

25. Microscopic Method: ATC
 26. Microscopic Method: ATC
 27. Microscopic Method: ATC
 28. Microscopic Method: ATC
 29. Microscopic Method: ATC
 30. Microscopic Method: ATC
 31. Microscopic Method: ATC
 32. Microscopic Method: ATC
 33. Microscopic Method: ATC
 34. Microscopic Method: ATC
 35. Microscopic Method: ATC
 36. Microscopic Method: ATC
 37. Microscopic Method: ATC
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 39. Microscopic Method: ATC
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 44. Microscopic Method: ATC
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 77. Microscopic Method: ATC
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 81. Microscopic Method: ATC
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 84. Microscopic Method: ATC
 85. Microscopic Method: ATC
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 87. Microscopic Method: ATC
 88. Microscopic Method: ATC
 89. Microscopic Method: ATC
 90. Microscopic Method: ATC
 91. Microscopic Method: ATC
 92. Microscopic Method: ATC
 93. Microscopic Method: ATC
 94. Microscopic Method: ATC
 95. Microscopic Method: ATC
 96. Microscopic Method: ATC
 97. Microscopic Method: ATC
 98. Microscopic Method: ATC
 99. Microscopic Method: ATC
 100. Microscopic Method: ATC

WHITE - File YELLOW - Chain/Report PINK - Lab GOLDENROD - Field

NYC 9/11 (1/01)

PROJECT INFORMATION

1. Client: 99 Church	2. Project Name 99 Church	3. Project # 1108-1A	4. Project Identifying 99 Church	4c. Recorder Number: SD-132
2a. Project Address 99 Church St NY NY	3a. Task #	4a. Air Sampler:		
5. Date: 9/27/04	6. Attachment Location: lobby	7. ☒ RACH (as stated on tag) Consent for this attachment by: Drouais	8. ☐ TEMA (as attached tag) Consent for this attachment by: [Signature]	9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☒ Post-Abate e. ☐ OSHA f. ☐ Other

10. Sample I.D. Number	11. Pump Number	12. Sample Location		13. Time (24 hrs clock)		14. Flow Rate (L/min.)			15. Total Air Vol. (liters)	16. # Fibers/Fibers Minus Blank	17. Fiber Conc. FCC
		12a. 100A	12b. 010A	13a. Start	13b. End	14a. Start	14b. End	14c. Avg			
L-01										0/100	
L-02	✓		Lobby	1600	1800	15	15	15	1800	3/100	40.003
L-03	✓		North side								
			Lobby	1602	1802	15	15	15	1800	3/100	40.003
			West side								
L-04	✓		Lobby	1603	1803	15	15	15	1800	2/100	40.003
			South side								
L-05	✓		Lobby	1605	1805	15	15	15	1800	4/100	40.003
			East side								
L-06	✓		Lobby	1607	1807	15	15	15	1800	5/100	40.003
			Middle								

18. Requisition # <i>1000</i>	19. Received By: <i>Phlores</i>	20. Date: <i>09/27/1990</i>	21. Time:
II			
III			

26. ATC Project Manager: <i>Ben Soltani</i>	27. Result To: <i>Ben Soltani</i>	ResponPPhone #'s
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22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: <i>R. Brundina</i>	<i>9.28.90</i>	<i>03.00</i>
b. QC By:		
c. Lab Batch #:	<i>97163</i>	

25. Microscopa Model/Serial #: <i>Leica MP105</i>	☐ Nikon Labophot 238613	☐ Nikon Labophot 238617	☐ Nikon Labophot 238079
Analysis Methodology <i>PCM - NIOSH 7400A</i> TEM - AHERA			

28. Comments:	PMK - Lab	GOLDENROD - Field
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AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 5 of 5

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard

☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 99 Church	2. Project Name: 99 Church st NY NY	3. Project #: 7188-17	4. Project Monitoring: Site Assessment	4c. Rotameter Number: 50-132
5. Date: 08/27/01	6. Abatement Location: LOBBY (1st floor)	7. Task #: 1	8. Air Sampler: TECH 4000	9. Type: ☒ Abatement ☐ Background ☐ Pre-Abate
10. Date: 08/27/01	11. Date: 08/27/01	12. Date: 08/27/01	13. Date: 08/27/01	14. Date: 08/27/01

DAILY AIR SAMPLE RECORD

10. Sample ID Number	11. Pump Number	12. Sample Location	13. Time (24 hrs clock)	14. Flow Rate (L/min)	15. Total Air Vol. (liters)	16. Fibers/Fields minus Blank	17. Fiber Conc. FCC
I-01		Field Blank				0/100	
M-01		Field Blank				0/100	
S/W		S/W 1 FL	1110	15	1800	5/100	2.003
I-02		N/W corner	1310	15	1800	4/100	2.003
S/W		S/W 1 FL	1311	15	1800	2/100	2.003
I-03		S/W corner	1312	15	1800	5/100	2.003
S/W		S/W 1 FL	1315	15	1800	4/100	2.003
I-04		S/E corner	1316	15	1800	3/100	2.003
S/W		S/W 1 FL	1317	15	1800		
M-01		S/W 1 FL					
S/W		S/W 1 FL					
M-02		S/W 1 FL					
S/W		S/W 1 FL					
M-03		S/W 1 FL					

CHAIN OF CUSTODY

18. Relinquished By: [Signature]	19. Received By: [Signature]	20. Date: 08/27/01	21. Time: 1030
26. ATC Project Manager: Ben Sallami			
27. Result To: Ben Sallami Respect/Phone #:			

LAB INFORMATION (ATC ELAP # 10878, ATC NVLAP # 1187)

22. Lab Name: 2.5 Lab	23. Date: 08/27/01	24. Time: 0300
a. Analyzed By: [Signature]	b. QC By:	
c. Lab Batch #:	97060	
25. Comments:		
25. Microscope Make/Serial #: ☐ Nikon Labphoto 238913 ☐ Nikon Labphoto 238917 ☒ Nikon Labphoto 238979		
Analysis Methodology: NIOSH 7400A TEM - AMERA		



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

 Page 2 of 2

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☒ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 89 Church St NY NY	2. Project Name: Mezzanine	3. Project #: 17	4. Project Monitor: David Hersh	4a. Rotameter Number: SD-132
5. Date: 9/20/01	6. Address: 89 Church St NY NY	7. Task #: 17	8. Air Sampler: PCMA (Ambient MCA)	9. Type: a. ☐ Ambient b. ☐ Background c. ☐ Post-Abate d. ☐ OSHA
10. Ambient Location: Mezzanine	11. Project Address: 89 Church St NY NY	12. Task #: 17	13. Air Sampler: PCMA (Ambient MCA)	14. Rotameter Number: SD-132
15. Date: 9/20/01	16. Address: Mezzanine	17. Task #: 17	18. Air Sampler: PCMA (Ambient MCA)	19. Type: a. ☐ Ambient b. ☐ Background c. ☐ Post-Abate d. ☐ OSHA

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location	13. Time (24 hrs clock)	14. Flow Rate (L/min)	15. Total Air Vol. (liters)	16. # Fibers/Fields minus Blank	17. Fiber Conc. FDC
N-01		Field Blank	13a. Start	14a. Start	14b. End	14c. Avg	
SW N-02		SW corner office (Mezzanine)	1655	15	15	15	0.004
SW N-03		SW corner by stairs	1856	15	15	15	0.003
SW N-04		SW corner office (Mezz)	1857	15	15	15	0.003
		West side High R.					

CHAIN OF CUSTODY

18. Received By: Ben Salloni	19. Received By: Ben Salloni	20. Date: 9/20/01	21. Time: 1952
26. ATC Project Manager: Ben Salloni	27. Result To: Ben Salloni	28. Result To: Ben Salloni	29. Result To: Ben Salloni

LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: ATC ELAP # 10879	23. Date: 09/20/01	24. Time: 1955
a. Analyzed By: Ben Salloni	b. QC By: Ben Salloni	c. Lab Batch #: 97037
28. Comments:		
25. Microscopy Method: ☐ Nikon Labophot 2000 ☐ Nikon Labophot 2000 ☐ Nikon Labophot 2000		
Analysis Methodology: ☒ PCM - NIOSH 7400A TEM - AHERA		

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (401)

PROJECT INFORMATION

UNIVERSITY AND CAMPUS RECORD

CHAIN OF CUSTODY

AR INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

NY-1 (101)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 2 of 2

TURNAROUND TIME
☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 99 Church St	2. Project Name: 99 Church St NYCT	3. Project #: 1008-18	4. Project Monitor: Vicki Hurd	4c. Recorder Number: SD-132
5. Date: 9/10/09	6. Abatement Location: 2 FL	7. PGM (if abatement) NYCT	8. TEM (if abatement) 2	9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☒ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample ID Number	11. Pump Number	12. Sample Location		13. Time (24 hrs clock)				14. Flow Rate (L/min)		15. Total Air Vol. (liters)	16. # Filters/Fields minus Blank	17. Filter Conc. FCC
		12a. BNA	12b. ONVA	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg			
2-01												
2-02	V			905	105	120	15	15	15	1800	3/100	2.003
2-03	V			907	1107	120	15	15	15	1800	2/100	2.003
2-04	V			909	1109	120	15	15	15	1800	1/100	2.003
2-05	V			910	1110	120	15	15	15	1800	2/100	2.003
2-06	V			911	1111	120	15	15	15	1800	2/100	2.003

CHAIN OF CUSTODY

18. Released By: [Signature]	19. Received By: [Signature]	20. Date: 9/10/09	21. Time: 1950
I. [Signature]			
II. [Signature]			
III. [Signature]			
26. ATC Project Manager: Ben Salgado	27. Result To: Ben Salgado	28. Comments: 97071	29. Lab Batch #: 97071
25. Microscopic Method: ☐ NIOSH 7400A ☐ NIOSH 7400B ☐ NIOSH 7400C ☐ NIOSH 7400D ☐ NIOSH 7400E ☐ NIOSH 7400F ☐ NIOSH 7400G ☐ NIOSH 7400H ☐ NIOSH 7400I ☐ NIOSH 7400J ☐ NIOSH 7400K ☐ NIOSH 7400L ☐ NIOSH 7400M ☐ NIOSH 7400N ☐ NIOSH 7400O ☐ NIOSH 7400P ☐ NIOSH 7400Q ☐ NIOSH 7400R ☐ NIOSH 7400S ☐ NIOSH 7400T ☐ NIOSH 7400U ☐ NIOSH 7400V ☐ NIOSH 7400W ☐ NIOSH 7400X ☐ NIOSH 7400Y ☐ NIOSH 7400Z		25. Microscopic Method: ☐ NIOSH 7400A ☐ NIOSH 7400B ☐ NIOSH 7400C ☐ NIOSH 7400D ☐ NIOSH 7400E ☐ NIOSH 7400F ☐ NIOSH 7400G ☐ NIOSH 7400H ☐ NIOSH 7400I ☐ NIOSH 7400J ☐ NIOSH 7400K ☐ NIOSH 7400L ☐ NIOSH 7400M ☐ NIOSH 7400N ☐ NIOSH 7400O ☐ NIOSH 7400P ☐ NIOSH 7400Q ☐ NIOSH 7400R ☐ NIOSH 7400S ☐ NIOSH 7400T ☐ NIOSH 7400U ☐ NIOSH 7400V ☐ NIOSH 7400W ☐ NIOSH 7400X ☐ NIOSH 7400Y ☐ NIOSH 7400Z	

WHITE - File YELLOW - Client/Report PINK - Lab GOLDENROD - Field NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: 99 church	2. Project Name: 99 church	3. Project #: 2008-17	4. Project Monitor: Arrest's best	4c. Remedial Number: SD 132
5. Date: 9/24/09	6. Abatement Location: SPL	7. Project Address: 99 church st NY NY	8. Air Sampler: TEM (0.45 micron MCE)	9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☒ Post-Abate e. ☐ OSHA f. ☐ Other
10. Abatement Location: SPL		11. Project Address: 99 church st NY NY		

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location		13. Time (24 hrs clock)			14. Flow Rate (L/min.)			15. Total Air Vol. (liters)	16. # Fibers/Fields minus Blank	17. Fiber Conc. FCC
		12a. NEA	12b. OWA	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg			
3-01												
3-02												
3-03												
3-04												
3-05												
3-06												

CHAIN OF CUSTODY

18. Requested By: NYC	19. Received By: AC	20. Date: 9/24/09	21. Time: 2030
22. Lab Name: AC	a. Analyzed By: AC	23. Date: 9/24/09	24. Time: 2200
	b. QC By:		
	c. Lab Batch #:		
25. Microscope Make/Serial #: ☐ Nikon Labophot 2388913 ☐ Nikon Labophot 2388917 ☒ Nikon Labophot 2388978			
26. ATC Project Manager: Bensallami			
27. Result To: Bensallami			
28. Comments: ACM - NIOSH 7400A			
29. Comments: TEM - AHERA			

WHITE - File YELLOW - Client/Report PINK - Lab GOLDENROD - Field NY-1



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 1 of 1

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 99 Church	2. Project Name: 99 Church NY NY	3. Project Number: 9908-17	4c. Rotometer Number: SD-132
5. Date: 9/27/01	6. Abatement Location: 4 FL	7. PCM (0.1 micron M2) Cassette Filter Manufacturer Lot #: WMD	8. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☒ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location		13. Time (24 hrs clock)			14. Flow Rate (L/min.)		15. Total Air Vol. (ft ³)	16. # Filters/Filters Minus Blank	17. Filter Conc. FOC
		12a. N/A	12b. OWA	13a. Start	13b. End	13c. Total	14a. Start	14b. End			
4-01											
4-02	✓			905	1105	120	15	15	1800	3/100	<0.003
4-03	✓			907	1107	120	15	15	1800	6/100	<0.003
4-04	✓			909	1109	120	15	15	1800	2/100	<0.003
4-05	✓			0911	1111	120	15	15	1800	14/100	0.004
4-06	✓			0915	1115	120	15	15	1800	2/100	<0.003

CHAIN OF CUSTODY

18. Registered By: [Signature]	19. Received By: [Signature]	20. Date: 9/27/2001	21. Time: 2:30
26. ATC Project Manager: Ben Sallami	27. Result To: Ben Sallami	28. Comments:	29. Lab Batch #: 97081
25. Microscope Make/Serial #: ☐ Nikon Labophot 238813 ☐ Nikon Labophot 238817 ☒ Nikon Labophot 238079		Analysis Methodology: PM - NIOSH 7400A TEM - AHERA	

WHITE - File YELLOW - Client/Report

PMK - Lab

GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 1 of 1

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 99 Church St	2. Project Name: 99 Church St NY NY	3. Project #: 1108-17	4. Refractor Number: SD132
5. Date: 9/27/01	6. Abatement Location: SFL	7. Project Address: 99 Church St NY NY	8. Air Sampler: 99 Church St NY NY
9. Date: 9/27/01	10. Abatement Location: SFL	11. Project Address: 99 Church St NY NY	12. Air Sampler: 99 Church St NY NY

DAILY AIR SAMPLE RECORD

10. Sample ID Number		11. Pump Number		12. Sample Location		13. Time (24 hrs clock)		14. Flow Rate (L/min.)			15. Total Air Vol (liters)	16. # Fibers/Fields minus Blank	17. Fiber Conc. FCC
		12a. BWA	12b. DWA	12c. Sample Coordinates		13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg		
5-01				Field Blank	Field Blank							0/100	
5-02		✓		SFL NW corner		845	1045	120	15	15	15	3/100	<0.003
5-03		✓		SFL SW corner		847	1047	120	15	15	15	4/100	<0.003
5-04		✓		SFL West side middle		848	1048	120	15	15	15	1/100	<0.003
5-05		✓		SFL South side		850	1050	120	15	15	15	1/100	<0.003
5-06		✓		SFL S/E side.		851	1051	120	15	15	15	1/100	<0.003

CHAIN OF CUSTODY

18. Requisition #:	19. Received By:	20. Date:	21. Time:
I. Ben Sallami	Ben Sallami	9/27/01	15:00
II.			
III.			
26. ATC Project Manager:	27. Result To:	28. Contaminant:	29. Contaminant:
Ben Sallami	Ben Sallami		

LAB INFORMATION (ATC ELAP # 10679, ATC NVLAP # 1167)

22. Lab Name:	23. Date:	24. Time:
ATC	9/27/01	15:00
a. Analyzed By:	b. QC By:	c. Lab Batch #:
Ben Sallami	Ben Sallami	97072
25. Microscopic Method:	26. Microscopic Method:	27. Microscopic Method:
Nikon Labophot 238917	Nikon Labophot 238917	Nikon Labophot 238917
28. Contaminant:	29. Contaminant:	30. Contaminant:
PCMI - NIOSH 7400A	PCMI - NIOSH 7400A	PCMI - NIOSH 7400A

NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 4 of 4

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard

☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 99 church st

2. Project Name: 99 church st NY NY

3. Project # 1108-17

4. Project Monitor: Vive Austiniskusky

5. Date: 9/10/01

6. Abatement Location: 6FL

7. PCM (air from 1003) MMIS

8. TEM (0.45 micron 1003) 10

9. Type: ☐ Abatement ☐ Environmental

☐ Background ☐ Post-Abate ☐ Ambient

☐ Pre-Abate ☐ OSHA ☐ Other

10. Rotameter Number: SD-132

DAILY AIR SAMPLE RECORD										17. Filter Conc. H/C	
10. Sample I.D. Number	11. Pump Number	12. Sample Location	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields	17. Filter Conc. H/C
6-01		Field Blank									
6-02	V	N/W corner	1215	1415	120	15	15	15	1800	4/100	2.003
6-03	V	S/W corner	1216	1416	120	15	15	15	1800	3/100	2.003
6-04	V	West side midpoint	1217	1417	120	15	15	15	1800	3/100	2.003
6-05	V	South side	1218	1418	120	15	15	15	1800	4/100	2.003
6-06	V	S/E side.	1220	1420	120	15	15	15	1800	6/100	2.003

CHAIN OF CUSTODY

18. Requisitioned By: Ben Sallaguri

19. Reserved By: Ben Sallaguri

20. Date: 9/10/01

21. Time: 0030

22. Lab Name: ESL

23. Date: 9/10/01

24. Time: 0220

25. Analyzed By: ESL

26. QC By: ESL

27. Lab Batch #: 9761

28. Comments:

29. ATC Project Manager: Ben Sallaguri

30. Result To: Ben Sallaguri

31. Responder/Phone #s:

32. Lab Information (ATC LAB # 10879, ATC NVLAP # 1187)

33. 25. Microscope Make/Serial #: Kodak Labphoto 238913

34. ☐ Nikon Labphoto 238917

35. ☐ Nikon Labphoto 238979

36. Analysis Methodology: PCN/NIOSH 7400A

37. TEM - AHIERA

38. NY-1 (101)



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

Page 3 of 3

TURNAROUND TIME
☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 99 Church St	2. Project Name: Church St NY NP	3. Project #: 1108-17	4. Pulse! Monitor: Amesbury	4c. Rosameter Number: SD-152
5. Date: 9/21/01	6. Abatement Location: 7 FL	7. PCM (plus or minus 10%) 00972914	8. ☐ TEM (plus or minus 10%) X	9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☒ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample ID Number	11. Pump Number	12. Sample Location		13. Time (24 hrs clock)			14. Row Rate (L/min.)		15. Total Air Vol. (liters)	16. # Filters/Fields (minus Blank)	17. Filter Comp. FIDC
		12a. IWA	12b. OWA	13a. Start	13b. End	13c. Total	14a. Start	14b. End			
7-01											
7-02		V				1205 1405 120	15	15	1800	2/100	L-003
7-03		V				1206 1406 120	15	15	1800	4/100	L-003
7-04		V				1207 1407 120	15	15	1800	2/100	L-003
7-05		V				1208 1408 120	15	15	1800	5/100	L-003
7-06		V				1209 1409 120	15	15	1800	4/100	L-003

CHAIN OF CUSTODY

18. Retrieved By: [Signature]	19. Received By: [Signature]	20. Date: 9/21/01	21. Time: 1030
II			
III			

LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: E. Elund	23. Date: 9/21/01	24. Time: 1030
a. Analyzed By: E. Elund	b. QC By:	c. Lab Batch #: 97059
25. Microscope Make/Serial #: ☐ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☒ Nikon Labophot 238979		
Analysis Methodology: PCM NIOSH 7400A TEM - AHERA		

26. ATC Project Manager: Ben Sallami	27. Result To: Ben Sallami	28. Comments:
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WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 2 of 2

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard

☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 99 Church St

2. Project Name: 99 Church St NY NY

3. Project # 1168-17

4. Project Monitor: James Gustis

5. Date: 9/21/01

6. Abatement Location: 8FL

7. ☒ JACMA (as micro ABC)

8. ☐ TEM (as micro ABC)

9. Type: 1. Environmental

10. ☐ Abatement ☐ Background ☐ Pre-Abate

11. ☐ Ambient ☐ Other

12. Rollmeter Number: SD-152

DAILY AIR SAMPLE RECORD

10. Sample ID Number	11. Pump Number	12. Sample Location		13. Time (24 hrs clock)		14. Flow Rate (l/min)		15. Total Air Vol. (liters)	16. # Fibers/Filters minus Blank	17. Fiber Conc. FCC
		12a. NWA	12b. OWA	13a. Start	13b. End	14a. Start	14b. End			
8-01										
8-02	V			0945	1145	15	15	1800	4/100	2.003
8-03	V			0947	1147	15	15	1800	3/100	2.003
8-04	V			0948	1148	15	15	1800	5/100	2.003
8-05	V			0949	1149	15	15	1800	3/100	2.003
8-06	V			0950	1150	15	15	1800	6/100	2.003

CHAIN OF CUSTODY

18. Released By: [Signature]

19. Received By: [Signature]

20. Date: 9/21/01

21. Time: 0030

22. Lab Name: Environmental

23. Date: 9/21/01

24. Time: 0300

25. Microscope Make/Serial #: Nikon Labophot 238813

26. ATC Project Manager: Ben Sallami

27. Result To: Ben Sallami

28. Comments: 9/21/02

29. Analysis Methodology: NIOSH 7400A

30. TEM - AHERA

31. NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 1 of

TURNAROUND TIME

☐ 2 hrs ☐ 8 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

PROJECT INFORMATION

1. Client: 99 church st	2. Project Name 99 church st NY NY	3. Project # 1108-17	4. Project Manager: Van Austin Lowstey	4c. Rotameter Number: SD-132
5. Date: 9/9/01	2a. Project Address 99 church st	3a. Task #	4a. Air Sampler:	
6. Addressed Location: 9 FL	7. ☒ FOR (as shown on map) Contaminant: MMMS Lot # 00272914	8. ☐ TEM (as shown on map) Contaminant: MMMS Lot # 00272914	9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☒ Post-Abate e. ☐ OSHA	1. ☐ Environmental g. ☐ Ambient h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample ID Number	11. Pump Number	12. Sample Location	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg	15. Total Air Vol. (liters)	16. # Fibers/fields Many Blank	17. Fiber Count, FCC
9-01		Field Blank									
9-02		Field Blank									
9-03		9 FL	930	1130	120	15	15	15	1800	3/10	1003
9-04		9 FL	931	1131	120	15	15	15	1800	5/10	1003
9-05		9 FL	932	1132	120	15	15	15	1800	3/10	1003
9-06		9 FL	933	1133	120	15	15	15	1800	6/10	1003
		9 FL	935	1135	120	15	15	15	1800	6/10	1003

CHAIN OF CUSTODY

18. Requisitioned By: Ben Sahami	19. Received By: Ben Sahami	20. Date: 9/10/01	21. Time: 1030
II			
III			

26. ATC Project Manager: Ben Sahami	27. Result To: Ben Sahami	28. Comments:
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LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: Ben Sahami	9/10/01	0200
b. QC By:		
c. Lab Batch #:	97063	
25. Microscope Make/Serial #: ☐ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☒ Nikon Labophot 238979 Analysis Methodology: ☒ TEM - NIOSH 7400A TEM - AHERA		

WHITE - File

PINK - Lab

GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: 99 Church St	2. Project Name: 99 Church St NY NY	3. Product #: 1000-17	4. Project Manager: SP-132
5. Date: 9/20/01	6. Abatement Location: 10 Floor	7. PCM (0.05 micron PCE) NYC	8. TEM (0.05 micron PCE) NYC
9. Date: 9/20/01		10. Date: 9/20/01	

DAILY AIR SAMPLE RECORD

10. Sample ID Number	11. Pump Number	12. Sample Location		13. Time (24 hrs clock)		14. Flow Rate (L/min)		15. Total Air Vol. (liters)		16. # Filters/Filters Minus Blank	17. Filter Conc. FCG
		12a. N/A	12b. OWA	13a. Start	13b. End	14a. Start	14b. End	15a. Avg	15b. Avg		
1006											
10-01	n			1640	1840	15	15	15	1800	4/100	<0.003
10-02	v			1641	1841	15	15	15	1800	6/100	<0.003
10-03	v			1642	1842	15	15	15	1800	3/100	<0.003
10-04	v			1643	1843	15	15	15	1800	3/100	<0.003
10-05	v			1644	1844	15	15	15	1800	4/100	<0.003

CHAIN OF CUSTODY

18. Receiving By: Ben Salloum	19. Received By: Ben Salloum	20. Date: 9/20/01	21. Time: 1950
22. Lab Name: NYC	a. Analyzed By: Ben Salloum	23. Date: 9/20/01	24. Time: 1950
b. QC By:	c. Lab Bldg #:	25. Microscopic Analysis: Ben Salloum	
26. ATC Project Manager: Ben Salloum		27. Result To: ATC Project Manager	
28. Comments:		29. Analysis Methodology: PCM - NIOSH 7400A	

NY-1 (V01)

10/04/2001 14:05 FAX 212 353 8306

ATC

001



ASSOCIATES INC.

104 EAST 25TH STREET
NEW YORK, NEW YORK 10010-2917
(TEL.) 212-353-8280 (FAX) 212-353-8306

F A X T R A N S M I T T A L



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: 99 Church St	2. Project Name: 99 Church St NY NY	3. Project Monitor: 1108-17	4. Project Monitoring: 1108-17
5. Date: 9/20/01	6. Abatement Location: 11 Floor	7. Project (as shown on map): NY NY	8. TSCA (as shown on map): NY NY
9. Date: 9/20/01		10. Date: 9/20/01	
11. Date: 9/20/01		12. Date: 9/20/01	

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg	15. Total Air Vol. (ft ³)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. FPG
11-01	02	Field Blank									
11-02		Field Blank									
11-03		West 11 Floor	16:30	18:30	120	15	15	15	1800	5/100	20.003
11-04		N/W corner	16:31	18:31	120	15	15	15	1800	4/100	20.003
11-05		S/W corner	16:32	18:32	120	15	15	15	1800	1/100	20.003
11-06		West side middle	16:33	18:33	120	15	15	15	1800	5/100	20.003
11-07		11 Floor	16:34	18:34	120	15	15	15	1800	9/100	20.003
11-08		South side									
11-09		11 Floor									
11-10		S/E side									

CHAIN OF CUSTODY

18. Received By: Ben Solloway	19. Received By: Ben Solloway	20. Date: 9/20/01	21. Time: 14:40
22. Lab Name: NYC	a. Analyzed By: Ben Solloway	23. Date: 9/20/01	24. Time: 14:10
b. QC By:	c. Lab Batch #:	25. Comments:	
26. ATC Project Manager: Ben Solloway			
27. Result To: ATC Project Manager			
28. Result From: Ben Solloway			

WHITE - File YELLOW - Client/Report PINK - Lab GOLDENROD - Field NY-1 (1001)

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: 99 Church	2. Project Name: 99 Church St NY NY	3. Project #: 1005-17	4. Project Manager: John S. Fisher	4c. Rotameter Number: SP-152
5. Date: 9/24/01	6. Abatement Location: Bsmnt (B2)	7. Location (as a microsite): hms	8. Type: ☒ Background ☐ Pre-Abate	9. Type: ☐ Abatement ☒ Post-Abate ☐ OSHA
10. Date: 9/24/01		11. Date: 9/24/01		

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields minus Blank	17. Fiber Conc. FPGC
B2-01		Field Blank								0/100	
B2-02		Field Blank									
B2-02		B2	1555	1755	120	15	15	15	1800	2/100	20.003
B2-03		B2	1557	1757	120	15	15	15	1800	3/100	20.003
B2-04		B2	1559	1759	120	15	15	15	1800	4/100	20.003
B2-05		B2	1601	1801	120	15	15	15	1800	1/100	20.003
B2-06		B2	1803	1803	120	15	15	15	1800	3/100	20.003
		North side middle									

CHAIN OF CUSTODY

18. Requested By: Ben Sgib	19. Received By: R. Arundina	20. Date: 9.24.01	21. Time: 19.30
22. Lab Name: R. Arundina	23. Date: 9.24.01	24. Time: 20.00	25. Microscope Make/Serial #: Nikon Labophot 238917
26. ATC Project Manager: Ben Sgib	27. Result To: Ben Sgib	28. Lab Batch #: 97099	29. Comments: PCM - NIOSH 7400A

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 1 of 1

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 14 hrs ☐ Standard

☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☒ Other 9/29/01

PROJECT INFORMATION

1. Client: 99 Churchst

2. Project Name: 99 Churchst NY NY

3. Project Address: 99 Churchst NY NY

4. Project Manager: 11/18/01

5. Date: 9/25/01

6. Abatement Location: Bsmnt (B-1)

7. Special PLU information (see): None

8. Consultant: 00818714

9. Type: ☒ TEM (per 24 hrs clock) ☐ Background ☐ Pre-Abate

10. Type: ☐ Abatement ☐ Post-Abate ☐ OSHA

11. Rodometer Number: 11/18/01

12. Abatement Location: Bsmnt (B-1)

13. Type: ☐ Environmental ☐ Ambient ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample ID Number	11. Pump Number	12. Sample Location	13. Time (24 hrs clock)	14. Flow Rate (L/min.)	15. Total Air Vol. (liters)	16. # Filters/Fields	17. Filter Conc. FOC
B7-01		Field Blank	1130	15	1800	0/100	
B7-02		Field Blank	1130	15	1800	3/100	20.003
B7-03		Field Blank	1131	15	1800	5/100	20.003
B7-04		Field Blank	1133	15	1800	4/100	20.003
B7-05		Field Blank	1135	15	1800	5/100	20.003
B7-06		Field Blank	1136	15	1800	6/100	20.003

CHAIN OF CUSTODY

18. Relinquished By: [Signature]

19. Received By: A. E. Elbert

20. Date: 9/25/01

21. Time: 11:30

22. Result To: Ben Salami

23. Result From: Ben Salami

24. Result From: Ben Salami

25. Result From: Ben Salami

26. Result From: Ben Salami

27. Result From: Ben Salami

28. Result From: Ben Salami

29. Result From: Ben Salami

30. Result From: Ben Salami

31. Result From: Ben Salami

32. Result From: Ben Salami

33. Result From: Ben Salami

34. Result From: Ben Salami

35. Result From: Ben Salami

36. Result From: Ben Salami

37. Result From: Ben Salami

38. Result From: Ben Salami

39. Result From: Ben Salami

40. Result From: Ben Salami

41. Result From: Ben Salami

42. Result From: Ben Salami

43. Result From: Ben Salami

44. Result From: Ben Salami

45. Result From: Ben Salami

46. Result From: Ben Salami

47. Result From: Ben Salami

48. Result From: Ben Salami

49. Result From: Ben Salami

50. Result From: Ben Salami

51. Result From: Ben Salami

52. Result From: Ben Salami

53. Result From: Ben Salami

54. Result From: Ben Salami

55. Result From: Ben Salami

56. Result From: Ben Salami

57. Result From: Ben Salami

58. Result From: Ben Salami

59. Result From: Ben Salami

60. Result From: Ben Salami

61. Result From: Ben Salami

62. Result From: Ben Salami

63. Result From: Ben Salami

64. Result From: Ben Salami

65. Result From: Ben Salami

66. Result From: Ben Salami

67. Result From: Ben Salami

68. Result From: Ben Salami

69. Result From: Ben Salami

70. Result From: Ben Salami

71. Result From: Ben Salami

72. Result From: Ben Salami

73. Result From: Ben Salami

74. Result From: Ben Salami

75. Result From: Ben Salami

76. Result From: Ben Salami

77. Result From: Ben Salami

78. Result From: Ben Salami

79. Result From: Ben Salami

80. Result From: Ben Salami

81. Result From: Ben Salami

82. Result From: Ben Salami

83. Result From: Ben Salami

84. Result From: Ben Salami

85. Result From: Ben Salami

86. Result From: Ben Salami

87. Result From: Ben Salami

88. Result From: Ben Salami

89. Result From: Ben Salami

90. Result From: Ben Salami

91. Result From: Ben Salami

92. Result From: Ben Salami

93. Result From: Ben Salami

94. Result From: Ben Salami

95. Result From: Ben Salami

96. Result From: Ben Salami

97. Result From: Ben Salami

98. Result From: Ben Salami

99. Result From: Ben Salami

100. Result From: Ben Salami

LAB INFORMATION (ATC ELAP # 10878, ATC NVLAP # 1187)

22. Lab Name: A. E. Elbert

23. Date: 9/25/01

24. Time: 11:30

25. Analyzed By: A. E. Elbert

26. QC By: 97104

27. Lab Batch #: 97104

28. Comments: None

29. Microscope Make/Serial #: Nikon Labophot 238817

30. Microscope Make/Serial #: Nikon Labophot 238817

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NY-1 (10/01)

9, 26.

L. SHARON8:50^{AM} Arrived on job site.met with Jack and Yriy
work through work area.1530 ASBESTOS CREW AND
SUPERVISOR OF SITE.

CREW START ON LAUNCH TRUCK

11:30 set up pumps for BAS removal.
Left12:30 CREW START PRE-CLEANING
W/ H.

13:30 COLLECTED SAMPLES.

14:30 CONTINUE PRE CLEANING.

20:40 CREW OUT OF LUNCH

21:10 BAG FROM LUNCH AND
START BLD DECON.

(WOOD CONST.)

22:30 CONTINUE BLD DECON

23:30 JOB IS DONE FOR TODAY
CREW LEFT JOB SITE.

1-7 SAMPLES.

9/27

7⁵⁰ Arrived on job site.

Crew and supervision on site.

8⁰⁰ Crew suit up and start.
continue BLD waste and
personal decon.9³⁰ Checked licenses. All
valid.11³⁰ Crew start prep decon
and connect hot/cold water12⁰⁰ Crew out of lunch.I set up pumps for during
test. D.E.P. on site checked prep12³⁰ Crew back from lunch.
and continue prep.13⁰⁰ Waste / personal decon
is ready hot/cold water
in operation. Crew start
prep in side w/a.14³⁰ Continue prep.15³⁰ 80%, prep is done.16³⁰ Prep is completed. Visual 1st
pass. Crew left job site.
8-14

9/28

7:45 Y. Humeau on site

Crew coming inside bldg

8:00 Job starts. total 15 workers

included. super. All certificates valid

8:10 Checked inside w/d. Prep. complete

8:30 Crew continue prep. Notice
to super. Remove all metal today
and fixed ~~the~~ microstripes

8:30 Crew suite up start work
Set up pumps.

9:30 Crew continue prep inside
w/d.

10:10 Visual inspection pass inside w/d.

Crew start grass removal, wet
removal.

11:00 Removal going well.

12:00 men take lunch. Grass removal done

12:40 Back to work. Plank removal

> Bags out 1st cleaning

13:30 Continue move bags to holding

area.

14:30 All bags inside holding area

15:45 Completed 1st cleaning.

16:20 Collected samples 16:45 Dropped samples
to Lab

9/29

740 Arrived on job site.

800 Asbestos crew on site.
Crew set up and start
2 cleaning.815 Set up pumps for Duping
test.

930 Continue cleaning

1000 2 cleaning complete.

Start 4 hour - wetting period

1130 Check. Licenses. ALL VALID.

1350 Crew start. 3 cleaning
and barrier bag.

1430 Crew start encapsulation

1500 Job is complete. Visual
is pass. Start 1 hour
wetting period.1600 Set up pumps for PDA
test.

1730 Check pumps running OK

1830 Collect a sample and

1900 Drop sample at the lab

9/30

750 ~~ARRIVED~~ DRIVED ON JOB SITE.
RECEIVED RESULTS FROM LAB
DANIL IS OK.

8⁰⁰ CREW START BREAK DOWN
DECON. AND CLEANING W/A.

930 continue cleaning w/a.

1030 check. licenses ALL VALID.

11⁰⁰ CREW START BAG OUT.

12⁰⁰ W/A IS CLEAN. BAG IS
OUT. VISUAL IS PASS.

CREW LEAVE JOB SITE.

U.S. Contracting Co.

10/04/2001 08:24 212-643-8781 PURE SOLUTIONS PAGE 08

Project Address: YMCA						DATE				
Project Location/Area: 229 E 47 St. Basement.										
Asbestos Contractor: PINICENT.			Asbestos Consultant:							
NAME	SS#	NYC LIC #	EXP DATE	NYC LIC #	EXP DATE	92-6	92-6	92-6	92-6	92-6
PII KARPINSKI S. KAPUSTA M. KAPUSTA Z. HUBKA WAL. FRANKIEWICZ. STAVARIS P. FILINSKI RAD. TAMAY VICTOR KOCISZCZWSKI MIROCZKOWSKI DABROWSKI A. LUCERO LUIS KACZYK L. WANEZYK T. PRASECKI K. SIEMEK ANDR.		81936	10.22.02	A48804434	10.01	X	X	X	X	
		81350	8.18.02	A49100352	08.02	X	X	X	X	
		81921	10.16.02	A48907304	10.01	X	X	X	X	
		83495	2.25.03	A49005409	09.02.	X	X	X	X	
		77909	11.28.01	A48800379	11.01	X	X	X	X	
		79743	2.14.02	A49800756	02.02	X	X	X	X	
		84212	12.26.02	A49321593	12.01	X	X	X	X	
		83401	3.20.03	A49619998	03.02	X	X	X	X	
		84655	5.12.03	A49510564	05.02	X	X	X	X	
		85005	4.26.04	A48302980	04.02	X	X	X	X	
		79978	2.14.02	A48995736	02.02	X	X	X	X	
		73999	1.14.02	A49319002	01.02	X	X	X	X	
		85378	11.6.03	A40110443	11.02	X	X	X	X	
		81339	3.6.03	A40011042	03.02	X	X	X	X	
		84259	11.27.03	A40104782	11.02	X	X	X	X	
		80440	5.12.02	A49000666	05.02.	X	X	X	X	



104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

October 11, 2001

ATC Associates Inc.
104 East 25th Street
New York, NY 10010
Attn: Mr. Fred Burkhardt

Re: Report of TEM Analysis

Dear Mr. Burkhardt:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 5660:

Client: 99 Church Street
Project Name: 99 Church Street, NY, NY
Location: 8th Floor
Samples received: 10/10/01

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites. As indicated on the attached Summary Results sheet, no asbestos structures were detected in any of the five inside samples submitted from the site. Nuclepore TEM cassettes, Lot No. 98307617, were used.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory. If post-abatement inside samples pass, the response action may be considered to have been completed. The analyses were supervised by Dr. Michael A. Gorycki, Director of Electron Microscopy.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc. Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Michael A. Gorycki', is written over the typed name.

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC ENVIRONMENTAL, INC.
104 East 25th Street
New York, NY 10010

APPROVED NY STATE DOH ELAP # 10879
ACCREDITED NVLAP Lab Code # 1187

Summary of TEM Results

ATC Associates Inc.
104 East 25th Street
New York, NY 10010
Mr. Ben Sallemi

DATE: 10/11/01

Project/Site Identification: 99 Church Street, 99 Church St., NY, NY
8th Floor

CONCLUSION:

STATISTICAL SUMMARY

1) Inside Samples

TEM#	Project #	Volume(l)	<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
5660- 60863	8-2	1800	0.0	0.0048 *	
5660- 60864	8-3	1800	0.0	0.0048 *	
5660- 60865	8-4	1800	0.0	0.0048 *	
5660- 60866	8-5	1800	0.0	0.0048 *	
5660- 60867	8-6	1800	0.0	0.0048 *	
Average=			0.0	0.0048	0

2) Outside Samples

TEM#	Project #	Volume(l)	<u>Asbestos Concentration</u>		
			S/mm^2	S/cc	ngm/m^3
			Average=	N/A	N/A

3) Blanks

TEM#	Project #	Volume(l)	<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
5660- 60862	8-1		Not Analyzed		
Average=			N/A	N/A	N/A

4) Value of T - Statistic : N/A

* None detected; concentration equivalent to analytical sensitivity assigned.

This test report relates only to the specific items cited in the analysis.

The analysis was carried out according to the approved TEM method. The laboratory is in compliance with the quality specified for the method.

This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.


Analyzed by:
Roman Peysakhov


Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC Environmental, Inc.
104 East 25th Street
New York, New York 10010

ATC Associates Inc.
104 East 25th Street
New York, NY 10010

Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 10/11/01

ASBESTOS FIBER ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY (TEM)

With Fiber Identification by Selected-Area Electron Diffraction (SAED) and Energy-Dispersive X-RAY Spectroscopy (EDS)
Method: AHERA Final Rule, EPA Federal Register (40 CFR, Part 763), Vol. 52, No. 210, October 30, 1987

Sample Identification

Analysis Parameters

Project/Site: 99 Church Street, 99 Church St., NY, NY

8th Floor

Date Received: 10/10/01

Project Sample No.: 8-2

Air Volume: 1800 liters

Filter Type: MCE 25 mm diam., Pore Size: 0.45 um

Effective Area: 385 mm2

TEM Sample No.: 5660 - 60863

Grid Openings Analyzed: 4

Average Grid Opening: 106.00 um

Total Area Analyzed: 0.0450 mm2

Analytical Sensitivity: 22.2 s/mm2
0.0048 s/cc

FIBROUS PARTICULATES ANALYZED

Number Observed

CONCENTRATION

	Single			Matrix		Total Struct. >=5um	Filter		Air
	Fibers	Bundles	Clusters	Struct.	Struct.		Struct/mm2	Struct/cc	
Chrysotile Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Amphibole Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Ambiguous	0	0	0	0	0	0	0.0	0.0000	0
Total asbestos (includes ambiguous structures)					0	0	0.0	0.0000	0
Non-Asbestos	0	0	0	0	0	0	0.0	0.0000	N/A
No Identification	0	0	0	0	0	0	0.0	0.0000	N/A
Totals (All Structures)					0	0	0.0	0.0000	N/A

The estimated uncertainty of this analysis is 1 standard deviation.

Non-asbestos fiber i.d. (EDS/SAED): None detected
Amphibole Asbestos Type: None detected

The Analysis was carried out in accordance with the approved TEM method.
This laboratory is in compliance with the quality specified for the method.

Analyzed by:

Roman Peysakhov

Report Reviewed by:

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC Environmental, Inc.
104 East 25th Street
New York, New York 10010

ATC Associates Inc.
104 East 25th Street
New York, NY 10010

Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 10/11/01

ASBESTOS FIBER ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY (TEM)

With Fiber Identification by Selected-Area Electron Diffraction (SAED) and Energy-Dispersive X-RAY Spectroscopy (EDS)
Method: AHERA Final Rule, EPA Federal Register (40 CFR, Part 763), Vol. 52, No. 210, October 30, 1987

Sample Identification

Analysis Parameters

Project/Site: 99 Church Street, 99 Church St., NY, NY

TEM Sample No.: 5660 - 60864

8th Floor

Date Received: 10/10/01

Grid Openings Analyzed: 4

Project Sample No.: 8-3

Average Grid Opening: 106.00 um

Air Volume: 1800 liters

Total Area Analyzed: 0.0450 mm2

Filter Type: MCE 25 mm diam., Pore Size: 0.45 um

Analytical Sensitivity: 22.2 s/mm2

Effective Area: 385 mm2

0.0048 s/cc

FIBROUS PARTICULATES ANALYZED

	<u>Number Observed</u>						<u>CONCENTRATION</u>		
						Total Struct. >=5um	<u>Filter</u>		<u>Air</u>
	Single Fibers	Bundles	Clusters	Matrix Struct.	Total. Struct.		Struct/mm2	Struct/cc	
Chrysotile Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Amphibole Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Ambiguous	0	0	0	0	0	0	0.0	0.0000	0
Total asbestos (includes ambiguous structures)					0	0	0.0	0.0000	0
Non-Asbestos	0	0	0	0	0	0	0.0	0.0000	N/A
No Identification	0	0	0	0	0	0	0.0	0.0000	N/A
Totals (All Structures)					0	0	0.0	0.0000	N/A

The estimated uncertainty of this analysis is 1 standard deviation.

Non-asbestos fiber i.d. (EDS/SAED): None detected

Amphibole Asbestos Type: None detected

The Analysis was carried out in accordance with the approved TEM method.
This laboratory is in compliance with the quality specified for the method.

Analyzed by:

Report Reviewed by:

Roman Peysakhov

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC Environmental, Inc.
104 East 25th Street
New York, New York 10010

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New York, NY 10010

Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 10/11/01

ASBESTOS FIBER ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY (TEM)

With Fiber Identification by Selected-Area Electron Diffraction (SAED) and Energy-Dispersive X-RAY Spectroscopy (EDS)

Method: AHERA Final Rule, EPA Federal Register (40 CFR, Part 763), Vol. 52, No. 210, October 30, 1987

Sample Identification

Analysis Parameters

Project/Site: 99 Church Street, 99 Church St., NY, NY

8th Floor

Date Received: 10/10/01

Project Sample No.: 8-4

Air Volume: 1800 liters

Filter Type: MCE 25 mm diam., Pore Size: 0.45 um

Effective Area: 385 mm2

TEM Sample No.: 5660 - 60865

Grid Openings Analyzed: 4

Average Grid Opening: 106.00 um

Total Area Analyzed: 0.0450 mm2

Analytical Sensitivity: 22.2 s/mm2

0.0048 s/cc

FIBROUS PARTICULATES ANALYZED

Number Observed

CONCENTRATION

	Single			Matrix	Total.	Total	Filter		
	Fibers	Bundles	Clusters		Struct.	Struct. >=5um	Struct/mm2	Struct/cc	Air ngm/m3
Chrysotile Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Amphibole Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Ambiguous	0	0	0	0	0	0	0.0	0.0000	0
Total asbestos (includes ambiguous structures)					0	0	0.0	0.0000	0
Non-Asbestos	0	0	0	0	0	0	0.0	0.0000	N/A
No Identification	0	0	0	0	0	0	0.0	0.0000	N/A
Totals (All Structures)					0	0	0.0	0.0000	N/A

The estimated uncertainty of this analysis is 1 standard deviation.

Non-asbestos fiber i.d. (EDS/SAED): None detected

Amphibole Asbestos Type: None detected

The Analysis was carried out in accordance with the approved TEM method.
This laboratory is in compliance with the quality specified for the method.

Analyzed by:

Report Reviewed by:

Roman Peysakhov

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC Environmental, Inc.
104 East 25th Street
New York, New York 10010

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Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 10/11/01

ASBESTOS FIBER ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY (TEM)

With Fiber Identification by Selected-Area Electron Diffraction (SAED) and Energy-Dispersive X-RAY Spectroscopy (EDS)
Method: AHERA Final Rule, EPA Federal Register (40 CFR, Part 763), Vol. 52, No. 210, October 30, 1987

Sample Identification

Analysis Parameters

Project/Site: 99 Church Street, 99 Church St., NY, NY

8th Floor

Date Received: 10/10/01

Project Sample No.: 8-5

Air Volume: 1800 liters

Filter Type: MCE 25 mm diam., Pore Size: 0.45 um

Effective Area: 385 mm2

TEM Sample No.: 5660 - 60866

Grid Openings Analyzed: 4

Average Grid Opening: 106.00 um

Total Area Analyzed: 0.0450 mm2

Analytical Sensitivity: 22.2 s/mm2
0.0048 s/cc

FIBROUS PARTICULATES ANALYZED

	<u>Number Observed</u>						<u>CONCENTRATION</u>		
				Matrix	Total.	Total	<u>Filter</u>		<u>Air</u>
	<u>Single</u>			<u>Struct.</u>	<u>Struct.</u>	<u>Struct.</u>	<u>Struct/mm2</u>	<u>Struct/cc</u>	<u>ngm/m3</u>
	<u>Fibers</u>	<u>Bundles</u>	<u>Clusters</u>			<u>>=5um</u>			
Chrysotile Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Amphibole Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Ambiguous	0	0	0	0	0	0	0.0	0.0000	0
Total asbestos (includes ambiguous structures)					0	0	0.0	0.0000	0
Non-Asbestos	0	0	0	0	0	0	0.0	0.0000	N/A
No Identification	0	0	0	0	0	0	0.0	0.0000	N/A
Totals (All Structures)					0	0	0.0	0.0000	N/A

The estimated uncertainty of this analysis is 1 standard deviation.

Non-asbestos fiber i.d. (EDS/SAED): None detected
Amphibole Asbestos Type: None detected

The Analysis was carried out in accordance with the approved TEM method.
This laboratory is in compliance with the quality specified for the method.

Analyzed by:

Report Reviewed by:

Roman Peysakhov

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC Environmental, Inc.
104 East 25th Street
New York, New York 10010

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Report Date: 10/11/01

ASBESTOS FIBER ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY (TEM)

With Fiber Identification by Selected-Area Electron Diffraction (SAED) and Energy-Dispersive X-RAY Spectroscopy (EDS)
Method: AHERA Final Rule, EPA Federal Register (40 CFR, Part 763), Vol. 52, No. 210, October 30, 1987

Sample Identification

Analysis Parameters

Project/Site: 99 Church Street, 99 Church St., NY, NY

TEM Sample No.: 5660 - 60867

8th Floor

Date Received: 10/10/01

Grid Openings Analyzed: 4

Project Sample No.: 8-6

Average Grid Opening: 106.00 um

Air Volume: 1800 liters

Total Area Analyzed: 0.0450 mm2

Filter Type: MCE 25 mm diam., Pore Size: 0.45 um

Analytical Sensitivity: 22.2 s/mm2

Effective Area: 385 mm2

0.0048 s/cc

FIBROUS PARTICULATES ANALYZED

	<u>Number Observed</u>						<u>CONCENTRATION</u>		
	<u>Single</u>			<u>Matrix</u>		<u>Total</u>	<u>Filter</u>		<u>Air</u>
	<u>Fibers</u>	<u>Bundles</u>	<u>Clusters</u>	<u>Struct.</u>	<u>Struct.</u>	<u>>=5um</u>	<u>Struct/mm2</u>	<u>Struct/cc</u>	<u>ngm/m3</u>
Chrysotile Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Amphibole Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Ambiguous	0	0	0	0	0	0	0.0	0.0000	0
Total asbestos (includes ambiguous structures)					0	0	0.0	0.0000	0
Non-Asbestos	0	0	0	0	0	0	0.0	0.0000	N/A
No Identification	0	0	0	0	0	0	0.0	0.0000	N/A
Totals (All Structures)					0	0	0.0	0.0000	N/A

The estimated uncertainty of this analysis is 1 standard deviation.

Non-asbestos fiber i.d. (EDS/SAED): None detected

Amphibole Asbestos Type: None detected

The Analysis was carried out in accordance with the approved TEM method.
This laboratory is in compliance with the quality specified for the method.

Analyzed by:

Report Reviewed by:

Roman Peysakhov

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page _____ of _____

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other _____

PROJECT INFORMATION

1. Client: 99 Church st
 2. Project Name: 60862-60867
 3. Project #: 1108-17
 4. Project Monitor: Tim Dursislovsky
 4c. Rotameter Number: SD-132
 5. Date: 10/10/11
 6. Abatement Location: 8 FL
 7. ☒ PCM (0.8 micron MCE) NAIT
 8. ☒ TEM (0.45 micron MCE) NAIT
 9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☒ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☐ Other
 2a. Project Address: 99 Church st NY NY
 3a. Task #: 98/507/6/7
 4a. Air Sampler: NAIT

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location			13. Time (24 hrs clock)			14. Flow Rate (L/min.)			15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. #/mm ²
		12a. IWA	12b. OWA	12c. Sample Coordinates	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg			
8-1				Field Blank									
				Field Blank									
8-2		V		8 FL North side	1405	1705	1800	10	10	10	1800		<22.3
8-3		V		8 FL West side	1407	1707	1800	10	10	10	1800		<22.3
8-4		V		8 FL South side	1410	1710	1800	10	10	10	1800		<22.3
8-5		V		8 FL S/W side	1412	1712	1800	10	10	10	1800		<22.3
8-6		V		8 FL East side	1415	1715	1800	10	10	10	1800		<22.3

CHAIN OF CUSTODY

18. Relinquished By: [Signature]
 19. Received By: [Signature]
 20. Date: 10/10/11
 21. Time: 16:00
 II
 III

26. ATC Project Manager:

Ben Sellaumi

27. Result To:

Ben Sellaumi

Beeper/Phone #'s _____

LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: ATC-TEM
 a. Analyzed By: RRY
 b. QC By: _____
 c. Lab Batch #: _____
 23. Date: 10/11
 24. Time: 9:00
 25. Microscope Make/Serial #: _____
☐ Nikon Labophot 238913
☐ Nikon Labophot 238917
☐ Nikon Labophot 239079
 Analysis Methodology
 PCM - NIOSH 7400A
 TEM - AHERA

28. Comments:

WHITE - File

YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

NY 1 (1/1)