

FINDINGS

REPORT

FOR

**NEWMARK & CO.
REAL ESTATE, INC
125 PARK AVENUE
NEW YORK, NY**

RE: AIR QUALITY TESTING

AT

**40 WORTH STREET
NEW YORK, NY**

SEPTEMBER 26, 2001

3001/035

**GLOMAR CORP
35 EAST MAIN STREET
ELMSFORD, NY 10523
(914) 345-1170**

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
I.	Introduction/Summary	1
II.	Air Monitoring Criteria, Methods	1

APPENDIX A: AIR SAMPLE LOCATIONS AND ANALYSIS

**RE: Air Quality Testing
 40 Worth Street
 New York, NY**

**ALL RIGHTS RESERVED. NO PART OF THIS REPORT MAY BE REPRODUCED,
STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED BY ANY MEANS,
MECHANICAL PHOTOCOPYING, RECORDING OR OTHERWISE, WITHOUT THE
WRITTEN PERMISSION OF GLOMAR CORP. AND NEWMARK & COMPANY, REAL
ESTATE, INC..**

I. Introduction/Summary

Glomar Corp., Asbestos Testing and Consulting, was contracted by Newmark & Company, Real Estate, Inc., to perform PCM Air Quality Testing on various floors of the building at 40 Worth Street, New York, NY.

Testing was performed to determine the levels of fibers that were present in the building as a result of the massive dust created by the claps of the World Trade Center Buildings on September 11, 2001.

Testing took place on September 25, 2001.

Glomar Corp. Technician, Mr. Sean Murray, was the on-site Air Monitoring Technician.

All air samples were collected by Glomar Corp and analyzed by Scientific Labs, New York, NY, a New York State approved Environmental Testing Laboratory. All samples were analyzed utilizing Phase Contrast Microscopy (PCM) and had fiber counts of well below 0.01 fibers per cubic centimeters (f/cc).

II. Air Monitoring Criteria, Methods and Analysis

Air monitoring complied with Part 56 of Title 12 Sub-Part 56-17, Air Sampling Monitoring and Analysis of the Official Compilation of Codes, Rules and Regulations of the State of New York, Sub-Part 56-17. Air Sampling Monitoring and Analysis requirements establishes schedules and methods that were followed by Glomar personnel. Analysis of Air Monitoring samples shall use (at a minimum) Phase Contrast Microscopy (PCM) or Transmission Electron Microscopy (TEM) using standards administered by the National Institute for Occupational Safety & Health (NIOSH) Method 7400 (PCM) and Method 7402 (TEM). Also followed is the New York State Department of Health Environmental Laboratory Approval Program (ELAP,) Item's 236-273. PCM analysis gives an index of Airborne fibers in the work place and TEM analysis gives an index of Asbestos Airborne Fibers in the work place.

See Appendix A for Air Sample Locations and Analysis

APPENDIX A

**GLOMAR CORP
35 EAST MAIN STREET
ELMSFORD, N.Y. 10523
(914) 345-1170**

SciLab Job # 201093010

Page 1 of 2

Client Name GLOMAR CORP.

Phase Contrast Microscopy (PCM) Fiber Results

Work Area 16th, 12th, 8th, 4th & 1st Floors, 40 Worth Street, New York, NY / Ambient

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	01A 16th Floor, In Hoberman Office Space	9/25/01	0	0	1800	100	10	12.74	0.003	
02	02A 16th Floor, Corridor North	9/25/01	0	0	1800	100	5	6.37	< 0.001	
03	03A 16th Floor, Corridor South	9/25/01	0	0	1800	100	9	11.46	0.002	
04	04 12th Floor, In Mrs. Weinstalls Office	9/25/01	0	0	1800	100	5	6.37	< 0.001	
05	05A 12th Floor, Corridor North	9/25/01	0	0	1800	100	6	7.64	0.002	
06	06A 12th Floor, Corridor South	9/25/01	0	0	1800	100	4	5.10	< 0.001	
07	07A 8th Floor, Corridor Office Elevator	9/25/01	0	0	1800	100	4	5.10	< 0.001	
08	08A 8th Floor, Corridor North	9/25/01	0	0	1800	100	3	3.82	< 0.001	
09	09A 8th Floor, Corridor South	9/25/01	0	0	1800	100	4	5.10	< 0.001	
10	10A 4th Floor, Office Elevator In Corridor	9/25/01	0	0	1800	100	9	11.46	0.002	
11	11A 4th Floor, Corridor North	9/25/01	0	0	1800	100	3	3.82	< 0.001	
12	12A 4th Floor, Corridor South	9/25/01	0	0	1800	100	10	12.74	0.003	
13	13A 1st Floor, Iron Desk	9/25/01	0	0	1800	100	13	16.36	0.004	

PAGE 07

P.02/04

2126793114 TO 19143452170

GLOMAR CORP.

FR SCIENTIFIC LABS

017-CHC-HITE-1

CITY_21MC100_0042224867

SciLab Job #: 201093010

Page 2 of 2

Client Name: GLOMAR CORP.

Phase Contrast Microscopy (PCM) Fiber Results

Work Area 16th, 12th, 8th, 4th & st Floors, 40 Worth Street, New York, NY / Ambient

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
14	14A 1st Floor Church Street Corridor	9/25/01	0	0	1800	100	6	7.64	0.002	
15	15A 1st Floor, Thomas Street Corridor	9/25/01	0	0	1800	100	7	8.92	0.002	

Reporting Notes:

Analysed by: Fred Corvino Fred Corvino, Date Analyzed: 9/25/01

Samples analyzed by NIOSH 7400(A) Method, Issue #2, 8/15/94; Limit of Detection=5.5 fibers per 100 fields or 7 fibers/mm²; This report relates ONLY to the sample analysis expressed as fibers/mm² of filter area, ND = no fibers observed; NA = not analyzed; Walton-Beckett gravimetric field area 890715 mm²; TWA = 8.14; TWA calculation assumes zero exposure for remainder of 8 hr period not sampled; Upper 95% Confidence Limit (Employers Compliance Test) Calculated as a one-sided UCL to determine 95% certainty of compliance with the 0.01 fibers/cc standard; Estimated relative standard deviation: Isohalal S=0.405, Interlab S=0.45, New York samples (NYSDOH ELAP Lab # 11480); Method Institute of Standards and Technology

PAGE 08
P.03/04
2126793114 TO 19143452170
GLOMAR CORP
SEP 26 2001 00:21 FR SCIENTIFIC LABS
CITY_21MC100_004224868

**SCIENTIFIC LABORATORIES, INC.**117 EAST 30TH STREET
NEW YORK, NY 10018

TEL: (212) 579-8600 • FAX: (212) 579-9392

201093010

Company: Flomay		Address:		P.O. #:			
Project Information		Analyst		Turnaround Time			
Name: 40 WORM ST NYC, NY BACKGROUND AIRS AMBIENT AIRS		Type	6 Day	12hr	24hr		
Number:		TEM/ANERA					
Manager:		TEM/Level II					
Site (City/State):		TEM/Charlote					
		TEM/Dust					
		TEM/Water					
		PCM					
		PLM					
		Lead					
		Other					
Return Samples: Yes ☒ No ☒		Phone: 718-345-2270					
Written report to:		Fax:					
COMMENTS: AMBIENT AIRS Vol. 6th Fl, 12th, 8th 4th + 12th E Paper							
Sample I.D.	Sample Location	Start Time	Stop Time	Total Time	Volume/Min	Air Volume	Date Collected
01A	6 th Fl - IN HOBBERMAN OFFICE SPACE				1800	9-25	
02A	12 th Fl - Corridor North				1800	9-25	
03A	12 th Fl - Corridor - South				1800	9-25	
04A	12 th Fl - IN Mrs WEINSHALLS OFFICE				1800	9-25	
05A	12 th Fl - Corridor - North				1800	9-25	
06A	12 th Fl - Corridor - South				1800	9-25	
07A	8 th Fl - Corridor - OFF ELEVATORS				1800	9-25	
08A	8 th Fl - Corridor - North				1800	9-25	
09A	8 th Fl - Corridor - South				1800	9-25	
010A	4 th Fl - OFF ELEVATORS IN Corridor				1800	9-25	
011A	4 th Fl - Corridor - North				1800	9-25	
012A	4 th Fl - Corridor - South				1800	9-25	
013	15 th Fl FRONT DESK				1800	9-25	
014	15 th Fl Church ST Corridor				1800	9-25	
015	15 th Fl THOMAS ST Corridor				1800	9-25	
Received by (Signature):		Date: 9/25/01	Received By (Signature):		Date:		

** TOTAL PAGE.04 **