NYC 9/11 Public Portal Document

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September 26, 2001

ALC Environmental
115 W 30th Street
New York, NY 10001
Attn: Mr.

Re: Report of TEM Analysis

Dear Mr

Following are the results of transmission electron microscopy (TEM) analysis of eleven PCM air samples from our Group No. 5556:

Client: Mid-State
Project Name: 345 and 355 Southend Avenue
Location: Hallways and Apartments, Buildings 100 and 200
Samples received in TEM Lab: 09/26/01

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 each of the samples 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 samples in the following proportions:

sample number	chrysotile	gypsum	cellulose	fiber glass	F/CC as Asbestos
3	0.0%	93.8%	0.0%	6.2%	0.0
4	22.2%	77.8%	0.0%	0.0%	0.005
5	0.0%	76.9%	0.0%	23.1%	0.0
6	0.0%	55.0%	0.0%	45.0%	0.0
8	0.0%	76.2%	9.5%	14.3%	0.0
13	0.0%	77.3%	9.1%	13.6%	0.0
14	0.0%	100.0%	0.0%	0.0%	0.0
17	0.0%	100.0%	0.0%	0.0%	0.0
18	3.6%	68.7%	0.0%	27.7%	0.001
19	0.0%	66.7%	0.0%	33.3%	0.0
20	0.0%	42.0%	0.0%	58.0%	0.0

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As a consequence, no sample exceeds 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. This report may be reproduced only in its entirety and not without prior permission of this laboratory

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,

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