NYC 9/11 Public Portal Document

EMSL Analytical, Inc.

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Attn.:
Pedneault Associates, Inc.
1615 Ninth Avenue
Bohemia, NY 11716

Tuesday, February 26, 2002

Ref Number: L1023221

POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: 20 W.S. Man

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
230		Grey Fibrous Heterogeneous	Teased	None Detected	20.% Cellulose 20.% Min. Wool	60.% Other
231		Grey Fibrous Heterogeneous	Teased	0.24% Chrysotile	20.% Cellulose 20.% Min. Wool	59.76% Other
232		Grey Fibrous Heterogeneous	Teased	None Detected	10.% Cellulose 10.% Min. Wool	80.% Other
233		Grey Fibrous Heterogeneous	Teased	Trace Chrysotile	20.% Cellulose 20.% Min. Wool	60.% Other
234		Grey Fibrous Heterogeneous	Teased	None Detected	10.% Cellulose 10.% Min. Wool	80.% Other
235		Grey Fibrous Heterogeneous	Teased	None Detected	10.% Cellulose 10.% Min. Wool	80.% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Daniel Clarke
Analyst

Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Long Island (NVLAP Air and Bulk #101048-0, NY ELAP 11459, CA ELAP 2129, CT PH-0241)

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NYC-WTC_000187642

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POLARIZED LIGHT MICROSCOPY (PLM) - POINT COUNT

Performed by EPA 600/R-93/116 Method*

Project: 20 W.S. Man

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
236		Grey Fibrous Heterogeneous	Teased	Trace Chrysotile	10.% Cellulose 10.% Min. Wool	80.% Other
237		Grey Fibrous Heterogeneous	Teased	0.23% Chrysotile	10.% Cellulose 10.% Min. Wool	79.77% Other
238		Grey Fibrous Heterogeneous	Teased	None Detected	10.% Cellulose 10.% Min. Wool	80.% Other
236 QC		Grey Fibrous Heterogeneous	Teased	None Detected	10.% Cellulose 10.% Min. Wool	80.% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

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Analysis performed by EMSL Lodi Inland (NVLAP Air and Bulk #101048-0, NY ELAP 11469, CA ELAP 2339, CT PH-0249)

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