NYC 9/11 Public Portal Document

ATC ASSOCIATES INC.

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November 15, 2002

Mr. Bernard P. Orlan
Director, Environmental Health & Safety
New York City Department of Education
28-11 Queens Plaza North
Long Island City, NY 11101

Re: Respirable Particulate Sampling
P.S. 234M
ATC Project No. 15-19125-0279

Dear Mr. Orlan:

ATC Associates Inc. (ATC) is pleased to provide this report of respirable particulate sampling conducted on November 6-7, 2002, in the referenced school building. The New York City Department of Education (DOE) requested this sampling to verify that acceptable indoor air quality is being maintained.

SCOPE OF WORK

ATC conducted this evaluation to assess the concentration of respirable particulates ($PM_{2.5}$) within the building.

ATC collected one 24-hour sample of $PM_{2.5}$ for gravimetric analysis using a Micro Environmental Monitor® (MEM®), manufactured by SKC, Inc. The sample was collected on a pre-weighed PVC filter supplied and analyzed by PSC Analytical Services, Inc., an American Industrial Hygiene Association-accredited laboratory in Reading, PA.

Tenzin Namgyal, Industrial Hygienist of ATC's New York City office, conducted the sampling consistent with accepted indoor air quality assessment practices. The results of the sampling represent conditions found on the date the sample was collected.

EVALUATION CRITERIA

Currently, there are no regulatory standards for indoor air quality in non-industrial buildings, such as offices and schools.

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The table lists target guideline for the parameter that ATC evaluated during this investigation. Meeting the listed value does not assure that acceptable indoor air quality will be achieved at all times.

TARGET GUIDELINE FOR INDOOR AIR QUALITY PARAMETER EVALUATED

PARAMETER	TARGET LEVEL	AGENCY OR ORGANIZATION
Respirable Particulates ($PM_{2.5}$)	65 micrograms per cubic meter of air ($\mu g/m^3$) 24-hour average	USEPA NPAAQS
	40 micrograms per cubic meter of air ($\mu g/m^3$) 24-hour average	USEPA recommendation for children and sensitive individuals

USEPA = United States Environmental Protection Agency
NPAAQS = National Primary Ambient-Air Quality Standard

RESULTS

ATC collected one (1) 24-hour gravimetric sample in the Main Lobby. The analytical laboratory report is provided in the attachment.

The 24-hour average concentration of $PM_{2.5}$ was **14.6 ug/m^3** which is *below* both the EPA NPAAQS for $PM_{2.5}$ of 65 ug/m^3 and the EPA recommended level of 40 ug/m^3.

It is our pleasure to provide these indoor air consultative services to the New York City Department of Education. If you have any questions about this report, please call (212) 353-8280, extension 212.

Sincerely,
ATC ASSOCIATES INC.

James R. Cohn, CIH, CSP
Regional Manager,
Industrial Hygiene Division

Attachment

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