NYC 9/11 Public Portal Document

ATC ASSOCIATES INC.

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January 27, 2003

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 Dust Sampling
P.S. 89M
ATC Project No. 15-19125-0297

Dear Mr. Orlan:

ATC Associates Inc. (ATC) is pleased to provide this report of respirable particulate sampling conducted on January 15-16, 2003, 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 sample of $PM_{2.5}$ for gravimetric analysis for 24 hours using a Micro Environmental Monitor® (MEM®), manufactured by SKC, Inc. The gravimetric 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 generally accepted indoor air quality assessment practices. The results of the sampling represent conditions found on the date the sample was collected.

No additional samples of this type are to be collected at this location per the DOE's instructions.

EVALUATION CRITERIA

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

NYC-WTC_000202305

NYC 9/11 Public Portal Document

The table lists the 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 1st Floor Hallway by the Cafeteria. The analytical laboratory report is provided in the attachment.

The 24-hour average concentration of $PM_{2.5}$ was **less than 3.47 ug/m³** (less than the limit of detection) which is *below* both the EPA NPAAQS for $PM_{2.5}$ of 65 ug/m³ and the EPA recommended level of 40 ug/m³.

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

NYC-WTC_000202306