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October 8, 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
High School of Economics and Finance (M833)
ATC Project No. 15-19125-0291**

Dear Mr. Orlan:

ATC Associates Inc. (ATC) is pleased to provide this report of respirable particulate sampling conducted on October 2-3, 2002, at the referenced school. The New York City Department of Education (DOE) requested this monitoring 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.

One (1) sample for respirable particulates ($PM_{2.5}$) was collected for twenty-four (24) hours 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. A copy of the analytical laboratory report is attached.

Wagdi Abdelshahid, Industrial Hygienist of ATC's New York City office, conducted the sampling consistent with generally accepted indoor air quality assessment practices. The result of the sampling represents 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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Table 1 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.

TABLE 1
TARGET GUIDELINES FOR INDOOR AIR QUALITY PARAMETER
EVALUATED

PARAMETER	TARGET LEVEL	AGENCY OR ORGANIZATION
Respirable Particulates (PM _{2.5})	65 micrograms per cubic meter of air (µg/m ³) 24-hour average	USEPA NPAAQS
Respirable Particulates (PM _{2.5})	40 µg/m ³ 24-hour average	USEPA – Recommendation for children/sensitive individuals

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

RESULT

ATC collected one (1) 24-hour PM_{2.5} sample in the school's Main Lobby.

The 24-hour average concentration of PM_{2.5} was **8.33 ug/m³** 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