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January 24, 2002

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

Re: Wipe Samples for Metals
P. S. 234M
ATC Project No. 15-19125-0279

Dear Mr. Orlan:

ATC Associates Inc. (ATC) is pleased to provide this report of the results of the wipe samples for metals collected on January 16, 2002, at the referenced location. The New York City Board of Education (BOE) requested these samples to evaluate possible contamination from metals on the school playground according to the recommendation of Environ Corp., consultant to the parents association.

Scope of Work

ATC collected wipe samples from various surfaces for analysis of eleven metals.

Marianna Medinets, Environmental Technician from ATC's New York City office, collected the samples. Three samples were collected using Palintest® dust wipes.

The samples, plus one blank, were sent to PSC Analytical Services, Inc., an American Industrial Hygiene Association-accredited laboratory in Reading, PA. Analysis was performed by NIOSH Method 7300M. Each sample was analyzed for a panel of eleven (11) metals. The metals were aluminum (Al), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), iron (Fe), magnesium (Mg), manganese (Mn), molybdenum (Mo), nickel (Ni) and zinc (Zn). A copy of the analytical report is attached.

The sampling was performed consistent with generally accepted industrial hygiene practices. There were inherent limitations created by constraints of time, operational and work practice variability, variations in contaminant concentrations, and sampling and analytical accuracy. The results of the sampling represent conditions found on the dates the samples were collected.

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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There are no established regulatory values for these metals on surfaces. The New York State Department of Environmental Conservation (NYSDEC) has clean-up objectives for metals in soil but not for surfaces. There are no Occupational Safety and Health Administration (OSHA) standards that are applicable to this circumstance.

Wipe Sample Results

Eight metals were detected in all three samples. Cd, Co and Mo were not detected. Al, Cu, Mg and Zn were also found in the blank. Metal concentrations are shown in the following chart.

METAL CONCENTRATIONS (micrograms/sample)

<u>METAL</u>	<u>RANGE</u>
ALUMINUM*	114 - 145
CHROMIUM	0.774 - 1.23
COPPER*	7.23 - 13.6
IRON	326 - 491
MAGNESIUM*	337 - 457
MANGANESE	6.45 - 8.34
NICKEL	0.564 - 1.00
ZINC*	23.7 - 31.0

* Metal also detected in blank

Findings

Detectable levels of eight of eleven metals were found in the samples from three playground surfaces. ATC does not believe that the levels detected constitute a hazardous condition.

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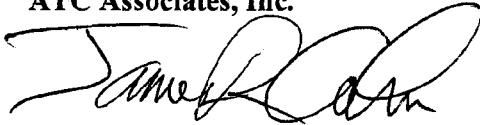
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ATC appreciates the opportunity to provide this environmental service to the BOE.
Please call (212) 353-8280 extension 212 or 261 if you have any questions.

Sincerely,
ATC Associates, Inc.

A handwritten signature in black ink, appearing to read "James R. Cohn", written over a horizontal line.

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

Attachment

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CITY_21MC100_003423139

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