



104 East 25th St 10th Floor
New York New York 10010
www.atc-enviro.com
212 353 8280
Fax 212 353 8306

December 23 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 4008

**Re Wipe Sample for Dioxins
Public School 150M
ATC Project No 15 19125 0289**

Dear Mr Orlan

ATC Associates Inc (ATC) is pleased to provide this report of the results of the wipe sample for polychlorinated dibenzo p dioxins (PCDDs) and dibenzofurans (PCDFs) collected on November 12 2002 at the referenced school The New York City Department of Education (DOE) requested this sample to evaluate possible contamination in the school building

SCOPE OF WORK

The sample was collected using a gauze pad and hexane as a solvent The pad and solvent were provided and sample was analyzed by Pace Analytical Services Inc (Pace) of Minneapolis MN a laboratory experienced in dioxin analysis The analysis was performed by modified EPA Method 8290 using combined capillary column gas chromatography/high resolution mass spectrometry

Tenzin Namgyal Industrial Hygienist of ATC's New York City office collected the sample 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 date the sample was collected

RESULTS

ATC submitted one wipe sample (plus one blank) for PCDDs/PCDFs to Pace for analysis The sample area was one square meter (1 m²) The location sampled was the Main Entrance - Lobby

The sample was analyzed for sixteen (16) PCDD/PCDF isomers The results for each isomer were then converted to 2 3 7 8 tetrachloro dibenzo p dioxin (2 3 7 8 TCDD) equivalents by multiplying by an established equivalency factor This provides a single value (in nanograms) for the analytical results for each sample A copy of the laboratory analysis report is attached

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The results of the samples are shown in the following table

DIOXIN WIPE SAMPLE RESULTS
(2 3, 7, 8 TCDD EQUIVALENTS) Nanograms per square meter (ng/m²)
November 12, 2002

LOCATION/SAMPLE NUMBER	DIOXIN CONCENTRATION
1 st Floor Main Entrance- Lobby / DX1	0 00060
Blank / DX2	0 00

The New York State Department of Health (NYSDOH) established guidelines for dioxin for the re occupancy of the Binghamton State Office Building following a PCB fire. The NYSDOH guideline for dioxin on surfaces is 25 nanograms per square meter (25 ng/m²). The dioxin concentration in this sample (0 0060 ng/m²) is *below* the NYSDOH guideline.

It is not possible to determine when the 2 3 7 8 TCDD equivalents detected in this sample was deposited. Dioxin samples were not collected from this location prior to December 13 2001.

It is our pleasure to provide these indoor environmental services to the DOE. 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