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January 28, 2003

Mr. Bernard P. Orlan
Director, Environmental Health & Safety
New York City Board of Education
28-11 Queens Plaza North
Long Island City, NY 11101-4008

**Re: Wipe Samples for Dioxins
P. S. 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-samples for polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) collected on December 24, 2002, at the referenced location. The New York City Department of Education (DOE) requested these samples to evaluate possible contamination in the school building..

Scope of Work

The samples were collected using gauze pads and hexane as a solvent. The pads and solvent were provided and samples were 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 samples. 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 samples were 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 RESULT
(2, 3, 7, 8 TCDD EQUIVALENTS) - Nanograms per square meter (ng/m²)
December 24, 2002

LOCATION/SAMPLE NUMBER	DIOXIN CONCENTRATION
1 st Floor Main Entrance- Lobby/DX1	0.00021
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 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 NYC Department of Education. If you have any questions about this report, please call (212) 353-8280, extension 298 or 212.

Sincerely,
ATC Associates, Inc.



Wagdi Abdelshahid
Industrial Hygienist

Reviewed By:



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

Attachment