



104 East 25th St., 10th Floor
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

May 22, 2002

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 April 1, 15, 22, and 29, 2002, at the referenced location. The New York City Board of Education (BOE) requested these samples to evaluate possible contamination in the school building per the recommendation of Environ Corp., consultant to the parents association..

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.

ATC's findings and conclusions are based on the laboratory samples results and the conditions present in the school at the time of the assessment.

Wagdi Abdelshahid, 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 dates the samples were collected.

RESULTS

On each day, ATC submitted one wipe sample (and 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.

Mr. Bernard P. Orlan
Wipe Samples for Dioxin
P. S. 150 (Manhattan)

May 22, 2002

Page 2

ATC Project No. 15-19125-0289

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. The results of the samples on each day are shown in the following table:

DIOXIN WIPE SAMPLE RESULT
(2, 3, 7, 8 TCDD EQUIVALENTS) - Nanograms per square meter (ng/m²)

April 1, 2002

LOCATION/SAMPLE NUMBER	DIOXIN CONCENTRATION
1 st Floor Main Entrance- Lobby/DX1	0.00093
Blank	0.000032

April 15, 2002

LOCATION/SAMPLE NUMBER	DIOXIN CONCENTRATION
1 st Floor Main Entrance- Lobby/DX1	0.000022
Blank	0.0030

April 22, 2002

LOCATION/SAMPLE NUMBER	DIOXIN CONCENTRATION
1 st Floor Main Entrance- Lobby/DX1	0.000055
Blank	0.00

April 29, 2002

LOCATION/SAMPLE NUMBER	DIOXIN CONCENTRATION
1 st Floor Main Entrance- Lobby/DX1	0.0026
Blank	0.00036

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).

On each day, the dioxin concentrations in each 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.

Mr. Bernard P. Orlan
Wipe Samples for Dioxin
P. S. 150 (Manhattan)

May 22, 2002

Page 3

ATC Project No. 15-19125-0289

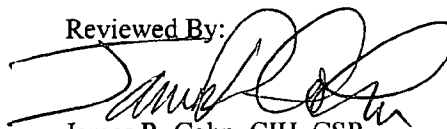
It is our pleasure to provide these indoor environmental services to the NYC Board of Education.
If you have any questions about this report, please call (212) 353-8280, extension 212.

Sincerely,
ATC Associates, Inc.



Arnel Javal
Senior Project Manager

Reviewed By:



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

Attachment