To: Kyle Mungavin

From: Chayna l. Wilson, MS

RE: Industrial Hygiene Survey

Date: July 9, 2021

Enclosed is a copy of the report summarizing the industrial hygiene sampling conducted June 8-9, 202 at the State University of New York, New Paltz. If you have any questions or need additional information, please contact Chayna Wilson at 856-467-7418.

INTRODUCTION AND SUMMARY

Industrial hygiene monitoring was conducted at the State University of New York, New Paltz June 8-9, and June 15, 2021 at the request of the University. Area air monitoring was conducted in five buildings on campus. The analytical results did not detect any airborne PCB's during this survey. Twenty-four (24) PCB wipe samples were also collected in those same buildings to determine the surface contamination in the area where the transformers are housed as well as electrical rooms associated with those transformers. They also showed no PCB's on those surfaces. It is recommended that periodic wipe sampling be conducted in this area to continue the monitoring process for PCB surface contamination.

METHODOLOGY

The standard shown is the OEL (Occupational Exposure Limit). The OEL is the Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL), or the American Conference of Industrial Hygienist's (ACGIH) Threshold Limit Value (TLV), whichever is lower.

The PCB air samples were collected and analyzed following NIOSH method 5503. The samples were collected using solid sorbent tubes (florisil) and a pump. The PCB's are desorbed using hexane. The samples are then analyzed on a Hewlett-Packard Gas Chromatograph using an Electron Capture Detector (ECD).

The PCB wipe samples were collected following the EPA wipe sampling protocol found in 40 CFR 761.125. A sample area of 100 square centimeters (10 cm x 10 cm) was used. Each sample was collected using a gauze pad, which was saturated with hexane. The samples were then analyzed on a Gas Chromatograph equipped with an Electron Capture Detector Analysis was conducted at Galson Laboratories. Galson is an AIHA accredited laboratory located in East Syracuse New York.

RESULTS

PCB Wipe Samples

Wipe samples collected in five building designated by the University. Each wipe sample was an area of 100 centimeters squared. OEL is based on the EPA's standard for surface PCB contamination (40 CFR 761.125), the standard is 10 ug /100 cm^2. The NYSDOH criteria is 1ug/100 cm^2.

-- - indicates results less than 1% of the OEL

Wipe sample of Parker Theatre electric room south wall.

Date: June 8, 2021
Sample ID: Parker Electric S

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Parker Theatre electric room north wall.

Date: June 8, 2021
Sample ID: Parker Electric S

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Parker Theatre electric room east wall.

Date: June 8, 2021
Sample ID: Parker Electric S

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Parker Theatre transformer room west wall.

Date: June 8, 2021
Sample ID: Parker Trans W

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Parker Theatre transformer room east wall.

Date: June 8, 2021
Sample ID: Parker Trans E

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1076)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Area sample of Parker Theatre transformer room south wall.

Date: June 8, 2021
Sample ID: Parker Trans S

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1076)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Scudder Hall east column.

Date: June 8, 2021
Sample ID: Scudder E column

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Scudder Hall south beam.

Date: June 8, 2021
Sample ID: Scudder S beam

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Scudder Hall east wall.

Date: June 8, 2021
Sample ID: Scudder E column

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Scudder Hall west beam.

Date: June 8, 2021
Sample ID: Scudder W beam

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Coykendall Science Building vault wall.

Date: June 8, 2021
Sample ID: CSB vault wall

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Coykendall Science Building vault column.

Date: June 8, 2021
Sample ID: CSB vault column

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Coykendall Science Building vault beam.

Date: June 8, 2021
Sample ID: CSB vault beam

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Coykendall Science Building electrical room ceiling.

Date: June 8, 2021
Sample ID: CSB electric ceiling

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Coykendall Science Building electrical room column.

Date: June 8, 2021
Sample ID: CSB electric column

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Coykendall Science Building electrical room wall.

Date: June 8, 2021
Sample ID: CSB electric wall

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Bliss Hall vault beam.

Date: June 9, 2021
Sample ID: Bliss vault W beam

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Bliss Hall vault beam

Date: June 9, 2021
Sample ID: Bliss vault S beam

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Bliss Hall vault column

Date: June 9, 2021
Sample ID: Bliss vault W column

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Bliss Hall electrical room beam

Date: June 9, 2021
Sample ID: Bliss electr E beam

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Gage Hall electrical column

Date: June 9, 2021
Sample ID: Gage elect SW column

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Gage Hall electrical beam

Date: June 9, 2021
Sample ID: Gage elect SW beam 1

Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

Wipe sample of Gage Hall electrical beam Date: June 9, 2021 Sample ID: Gage elect SW beam 2		
Analyte	**Result (ug/100 cm^2)**	**% of OEL**
PCB (Aroclor 1016)	<0.005	--
PCB (Aroclor 1221)	<0.005	--
PCB (Aroclor 1232)	<0.005	--
PCB (Aroclor 1242)	<0.005	--
PCB (Aroclor 1248)	<0.005	--
PCB (Aroclor 1254)	<0.005	--
PCB (Aroclor 1260)	<0.005	--
PCB (Aroclor 1268)	<0.005	--

PCB Air Samples (Area)

Analyte CSB Vault 6/8/21	**Result (mg/m^3)**	***OEL (mg/m^3)**	**% of OEL**
PCB (Aroclor 1016)	<0.0009	-	--
PCB (Aroclor 1221)	<0.0009	-	--
PCB (Aroclor 1232)	<0.0009	-	--
42%PCB (Aroclor 1242)	<0.0009	1.0	--
PCB (Aroclor 1248)	<0.0009	-	--
52% PCB (Aroclor 1254)	<0.0009	0.5	--
PCB (Aroclor 1260)	<0.0009	-	--
PCB (Aroclor 1268)	<0.0009	-	--

Analyte Parker Trans 6/8/21	**Result (mg/m^3)**	***OEL (mg/m^3)**	**% of OEL**
PCB (Aroclor 1016)	<0.0007	-	--
PCB (Aroclor 1221)	<0.0007	-	--
PCB (Aroclor 1232)	<0.0007	-	--
42%PCB (Aroclor 1242)	<0.0007	1.0	--
PCB (Aroclor 1248)	<0.0007	-	--
52% PCB (Aroclor 1254)	<0.0007	0.5	--
PCB (Aroclor 1260)	<0.0007	-	--
PCB (Aroclor 1268)	<0.0007	-	--

Analyte **Parker electric 6/8/21**	**Result** **(mg/m^3)**	***OEL** **(mg/m^3)**	**% of** **OEL**
PCB (Aroclor 1016)	<0.0008	-	--
PCB (Aroclor 1221)	<0.0008	-	--
PCB (Aroclor 1232)	<0.0008	-	--
42%PCB (Aroclor 1242)	<0.0008	1.0	--
PCB (Aroclor 1248)	<0.0008	-	--
52% PCB (Aroclor 1254)	<0.0008	0.5	--
PCB (Aroclor 1260)	<0.0008	-	--
PCB (Aroclor 1268)	<0.0008	-	--

Analyte **Scudder vault 6/8/21**	**Result** **(mg/m^3)**	***OEL** **(mg/m^3)**	**% of** **OEL**
PCB (Aroclor 1016)	<0.001	-	--
PCB (Aroclor 1221)	<0.001	-	--
PCB (Aroclor 1232)	<0.001	-	--
42%PCB (Aroclor 1242)	<0.001	1.0	--
PCB (Aroclor 1248)	<0.001	-	--
52% PCB (Aroclor 1254)	<0.001	0.5	--
PCB (Aroclor 1260)	<0.001	-	--
PCB (Aroclor 1268)	<0.001	-	--

Analyte **Bliss vault 6/9/21**	**Result** **(mg/m^3)**	***OEL** **(mg/m^3)**	**% of** **OEL**
PCB (Aroclor 1016)	<0.0008	-	--
PCB (Aroclor 1221)	<0.0008	-	--
PCB (Aroclor 1232)	<0.0008	-	--
42%PCB (Aroclor 1242)	<0.0008	1.0	--
PCB (Aroclor 1248)	<0.0008	-	--
52% PCB (Aroclor 1254)	<0.0008	0.5	--
PCB (Aroclor 1260)	<0.0008	-	--
PCB (Aroclor 1268)	<0.0008	-	--

Analyte Gage vault 6/9/21	Result (mg/m^3)	OEL (mg/m^3)	% of OEL
PCB (Aroclor 1016)	<0.0009	-	--
PCB (Aroclor 1221)	<0.0009	-	--
PCB (Aroclor 1232)	<0.0009	-	--
42%PCB (Aroclor 1242)	<0.0009	1.0	--
PCB (Aroclor 1248)	<0.0009	-	--
52% PCB (Aroclor 1254)	<0.0009	0.5	--
PCB (Aroclor 1260)	<0.0009	-	--
PCB (Aroclor 1268)	<0.0009	-	--

Analyte CSB electric 6/15/21	Result (mg/m^3)	OEL (mg/m^3)	% of OEL
PCB (Aroclor 1016)	<0.0008	-	--
PCB (Aroclor 1221)	<0.0008	-	--
PCB (Aroclor 1232)	<0.0008	-	--
42%PCB (Aroclor 1242)	<0.0008	1.0	--
PCB (Aroclor 1248)	<0.0008	-	--
52% PCB (Aroclor 1254)	<0.0008	0.5	--
PCB (Aroclor 1260)	<0.0008	-	--
PCB (Aroclor 1268)	<0.0008	-	--

DISCUSSION

Industrial hygiene monitoring was conducted at the State University of New York, New Paltz June 8-9, and June 15, 2021 at the request of the University. Area air monitoring was conducted in five buildings on campus with a total of seven samples being taken (as well as two blanks). The analytical results did not detect any airborne PCB's during this survey. Twenty-four (24) PCB wipe samples (as well as three blanks) were also collected in those same buildings to determine the surface contamination in the area where the transformers are housed as well as electrical rooms associated with those transformer rooms. They also showed no PCB's on those surfaces. Based on the request of the initial sampling from the state, it is recommended that periodic wipe sampling be conducted in this area to continue the monitoring process for PCB surface contamination.

RECOMMENDATIONS

The recommendations are as follows:

1. Due to the results of this survey, it is recommended that air monitoring for PCBs be discontinued.
2. Wipe samples should be collected every four years to assure that the surface PCB contamination remains below 1 ug/100 cm^2 as requested by the state during the initial sampling.

If there are any questions, please call Chayna Wilson at 856-467-7418.

Appendix A

Laboratory Results