

GREATER ESSEX COUNTY DISTRICT SCHOOL BOARD

Facility Services, 280 Eugenie St. E., Windsor, Ontario N8X 2X8, TEL: (519) 966-0034, Fax: (519) 969-1530



Designated Substances Management Plan

**Prince Andrew PS
1950 Kelly Rd., LaSalle, Ontario, N9A 6Z6**

Original Survey Dated: September 3, 1995

Revision Dates: March 12, 1996, August 1, 2001, August 1, 2002, May 24, 2003, August 13, 2004, January 2005, July 14, 2006, August 9, 2007, August 7, 2008, August 9, 2008, August 13, 2010, August 13, 2011, August 13, 2012, August 13, 2013, August 13, 2014, February 13, 2015, February 13, 2016, February 13, 2017, February 13, 2018, February 13, 2019, February 13, 2020, February 13, 2021

Current Version: February 13, 2022

Executive Summary

The Greater Essex County District School Board (GECDSB) conducted an annual update for potential Designated Substances present in the building facility of Prince Andrew Public School. This notes the conditions and locations of observed, known and suspected Designated Substances found in accessible areas of the building. Asbestos (friable and non-friable asbestos-containing materials (ACMs)), Lead, Silica, and Mercury are the four most common types of Designated Substances encountered at GECDSB sites.

Other Designated Substances such as Arsenic, Benzene, Vinyl Chloride, Acrylonitrile, Coke Oven Emissions, Ethylene Oxide and Isocyanates are not likely to be found at a typical GECDSB site.

This annual update involved reviewing and documenting known abatements, repairs and conditional changes of known or suspected Designated Substances utilizing the work order system.

The following information provides a summary of where our observed, known and suspected Designated Substances are located at this site.

Asbestos

Friable chrysotile asbestos (25 – 30%) is present in thermal insulation on pipe fittings & boiler / boiler breeching (i.e. domestic hot and cold water, hot water heating, rain water leaders) located in several areas throughout. Friable asbestos (assumed) thermal insulation is present under metal jacketing on boilers in the Boiler Room. Friable chrysotile asbestos (28%) texture coat is present on ceilings in several areas. Friable chrysotile asbestos (1%) plaster finishes are present throughout. Friable asbestos (assumed) fire door cores are present throughout. Non-friable chrysotile asbestos (3%) is present in black mastic pipe wrap thermal insulation under sinks in several locations. Non-friable asbestos (assumed) chalkboards are present in several areas. Non-friable chrysotile asbestos (5%) adhesive pucks are present on walls in S6. Non-friable chrysotile asbestos (1%) and chrysotile/amosite asbestos (1% each) acoustical ceiling tiles are present throughout.

Non-friable asbestos (assumed) exterior hard plaster overhangs are present around the perimeter of the school. Non-friable asbestos (assumed) exterior caulking and firestop materials are present on windows, doors and building penetrations. Non-friable asbestos (assumed) gold and black mastics are present on the underside of sinks throughout. Non-friable asbestos (assumed) vinyl floor tiles sized 9 inches by 9 inches are present in several areas. Non-friable chrysotile asbestos (2-4%) vinyl floor tiles sized 12 inches by 12 inches are present throughout. These friable and non-friable ACMs were found to be in good and poor physical condition (see tables and floor plans for more specifics).

Additional ACMs may exist in the above-noted non-accessible areas, as well as in enclosed areas behind walls, ceilings or floor surfaces, which were not accessible without causing unplanned physical demolition/destruction.

Special Note: Although vermiculite insulation was found to be present in exterior block wall cavities of the structure, with the exception of the 2012 addition, it has analytically been confirmed through both PLM and Mineral Analysis on October 7, 2021 **Not to Contain Asbestos.**

Lead

The original building structure known as Prince Andrew PS was built in 1961 and therefore all paints and varnishes per the original building structure are assumed to contain Lead. Samples of Lead paint taken in 2012 confirm Lead content ranging from 1860 PPM to 7380 PPM.

Building additions / renovations took place in 1971 and 1990 in which all paints and varnishes utilized would also be assumed to contain Lead.

A building addition / renovation also took place in 1995 in which all paints and varnishes utilized per this addition / renovation would fall under the 1992 version of the Coatings Regulation with Lead being < 600 PPM.

In 2012 a building renovation took place to help facilitate full day kindergarten. All paints and varnishes utilized per this building renovation would fall under the 2010 version of the Coatings Regulation with Lead being < 90 PPM.

It should be noted that materials such as piping, machinery, equipment and batteries may also possibly contain lead.

Silica

All concrete, bricks, masonry, terrazzo, mortar, ceramic floors, ceiling tiles, sand and like materials are assumed to contain Silica.

On occasion an Arts/Pottery class may take place in which they utilize Clay Body 700 which is 0.5% silica containing. This is temporary as such Clay Body 700 is brought in from a third party and removed after. No sanding is conducted and all such pottery work is done while wet/moist.

On occasion schools may wish to purchase sand for curriculum related activities. Such sand purchases are to be made through Webstock and the sand has to be Silica Free.

Mercury

Possible Mercury containing thermostats, thermometers, switches, batteries and fluorescent lamp tubes are assumed to contain Mercury.

Disclaimer

The information and opinions rendered in this report are exclusively for use by the above noted. Additional Designated Substances may exist at this site in non-accessible areas as well as in enclosed areas behind walls, ceilings or floor surfaces which were not accessible. The Health & Safety Department does not warrant nor represent that all designated substances have been identified in the building facility.

Tim Lauzon, I. H., E. P.,
Health & Safety Officer
GECDSB

2021 – 2022 School Year

ESSEX COUNTY BOARD OF EDUCATION

PRINCE ANDREW PUBLIC SCHOOL

Asbestos Analysis

<u>Sample I.D.</u>	<u>Location</u>	<u>Condition</u>	<u>% asbestos and type</u>
PA1	pipe run in room 20	good	n/a
PA2	pipe under sink in room #22	good	n/a
PA3	ceiling tile in room #21	good	n/a
PA4	pipe run above ceiling tile by room #6	good	n/a
PA5	ceiling tile in room #21	good	n/a
PA6	ceiling paster in room #9	good	n/a
PA7	pipe run above ceiling plaster between room #8 and #23	good	n/a
PA8	ceiling plaster between room #8 and #23	good	n/a
PA9	girls washroom above permanent ceiling next to baten	good	n/a
PA10	ceiling tile staff office	good	n/a
PA11	ceiling tile staff office	good	n/a
PA12	main feed line in boiler room	good	n/a
PA13	main feed to heater in boiler room	fair	20-30% chrysotile

PA14	#2 boiler by pump	fair	10-20% chrysotile
PA15	hook-up by hot water tank	fair	25-30% chrysotile
PA16	ceiling tile in room #6	good	n/a
PA17	elbow on pipe on stage in gym	good	25-30% chrysotile
PA18	elbow on pipe on stage in gym	good	25-30% chrysotile
PA19	pipe run on pipe on stage in gym	good	n/a
PA20	ceiling plaster next to staff office	good	n/a

Analysis Results Table

Client Sample	CLL Sample #	Sample Location / Description	Asbestos Content	Analyst Comment	Analyst - Date
J-05	151627	Classroom #16 100% Beige material	No Asbestos Detected using PLM	100% Non-Fibrous Material	SK 2/27/96
No asbestos detected in sample - NOB Material					
J-06	151628	Classroom #16 100% Gray granular	8% Chrysotile	10% Cellulose 82% Non-Fibrous Material	SK 2/27/96
8.0% asbestos in composite sample					
Priace Andrew P.S.					
The following 3 samples were submitted by Paradigm Environmental Svcs., Inc. on 2/21/96 and analyzed in accordance with PLM - EPA/600/R-93/116					
P-1	151629	Gym 93% Yellow tile 5% Yellow mastic	No Asbestos Detected using PLM No Asbestos Detected using PLM	100% Non-Fibrous Material 100% Non-Fibrous Material	SK 2/27/96
No asbestos detected in sample - NOB Material					
P-2	151630	Gym 90% Black cove 10% Brown mastic	No Asbestos Detected using PLM No Asbestos Detected using PLM	100% Non-Fibrous Material 3% Cellulose 98% Non-Fibrous Material	SK 2/27/96
No asbestos detected in sample - NOB Material					
P-3	151631	Classroom #8 100% Gray fiber	28% Chrysotile	72% Non-Fibrous Material	SK 2/27/96
28% asbestos in composite sample					

Additional testing is recommended for any material which contains <1% asbestos or NOB (non-friable organically bound) bulk materials which are negative or <1% asbestos. Analysis by Polarized Light Microscopy (PLM) has a degree of uncertainty that is dependent on the sample matrix, non-asbestos materials present, size of the asbestos present, the sample homogeneity and analyst variability. PLM coefficients of variance range from approx. 1.2, to 0.1 at high fiber concentrations. All PLM analyses must be reviewed with these factors taken into consideration.

These results are submitted pursuant to Chopro-Lee, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results or recommendations are used or interpreted. These results pertain only to the items tested. Any reproduction of this document must include the entire document in order for the report to be valid. Certification by NIST through NVLAP or New York State through ELAP does not constitute government endorsement of this testing facility. Unless notified in writing to return the samples covered by this report, Chopro-Lee, Inc. will store what remains of the samples for a period of 18 months before destruction.



1815 Love Road
Grand Island, NY 14072
716-773-7625 FAX 716-773-7624

NIST NVLAP Lab # 1208-01
NYS DOH ELAP Lab # 10954

C.O.C.: G00001

REPORT No. B12-13819

Report To:

Indoor Environmental Specialists Inc.
 518 Rudfam Dr,
 Windsor Ontario N9G 2P7 Canada
Attention: Phil Farley

Caduceon Environmental Laboratories
 2378 Holly Lane
 Ottawa Ontario K1V 7P1
 Tel: 613-526-0123
 Fax: 613-526-1244

DATE RECEIVED: 08-Jun-12

JOB/PROJECT NO.:

DATE REPORTED: 08-Jun-12

P.O. NUMBER: C1641

SAMPLE MATRIX: Paint Chips

WATERWORKS NO.

Parameter	Lead				
Units	% by wt				
M.D.L.	0.0004				
Reference Method	EPA 6020				
Date Analyzed/Site	08-Jun-12/O				

Client I.D.	Sample I.D.	Date Collected	Lead			
P-1 Yellow	B12-13819-1	07-Jun-12	0.186			
P-2 Reddish	B12-13819-2	07-Jun-12	0.0048			
P-3 Grey	B12-13819-3	07-Jun-12	0.0738			



Greg Clarkin, BSc., G. Chem
 Lab Manager - Ottawa District

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.



Certificate of Analysis

Indoor Environmental Specialists Inc.

330 Richmond Street Unit 101
Chatham, ON N7M 1P5
Attn: Chris Croft

Client PO: C3516
Project: C3516
Custody:

Report Date: 25-Jan-2019
Order Date: 23-Jan-2019

Order #: 1904179

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Paracel ID	Client ID
1904179-01	2018-0001D - Plaster
1904179-02	2018-0001E - Plaster
1904179-03	2018-0001F - Plaster
1904179-04	2018-0001G - Plaster
1904179-05.1	2018-0002B - 12x12 Off-White VFT w/ Many Blue Flecks/Blue w/Many White
1904179-05.2	2018-0002B - 12x12 Off-White VFT w/ Many Blue Flecks/Blue w/Many White
1904179-06.1	2018-0002C - 12x12 Off-White VFT w/ Many Blue Flecks/Blue w/Many White
1904179-06.2	2018-0002C - 12x12 Off-White VFT w/ Many Blue Flecks/Blue w/Many White
1904179-07	2018-0003B - Baseboard Mastic
1904179-08	2018-0003C - Baseboard Mastic
1904179-09	2018-0004A - Adhesive Pucks on Walls
1904179-10	2018-0004B - Adhesive Pucks on Walls
1904179-11	2018-0004C - Adhesive Pucks on Walls
1904179-12.1	2018-0005A - 12x12 Tan w/ Many White Flecks
1904179-12.2	2018-0005A - 12x12 Tan w/ Many White Flecks
1904179-13.1	2018-0005B - 12x12 Tan w/ Many White Flecks
1904179-13.2	2018-0005B - 12x12 Tan w/ Many White Flecks
1904179-14.1	2018-0005C - 12x12 Tan w/ Many White Flecks
1904179-14.2	2018-0005C - 12x12 Tan w/ Many White Flecks
1904179-15	2018-0006B - 2x4 White, Small Random Divot and Tiny Pinhole
1904179-16	2018-0006C - 2x4 White, Small Random Divot and Tiny Pinhole
1904179-17	2018-0007B - 2x4 Yellowed, Large Pinhole
1904179-18	2018-0007C - 2x4 Yellowed, Large Pinhole
1904179-19.1	2018-0008A - 12x12 Tan w/ Brown and White Streaks
1904179-19.2	2018-0008A - 12x12 Tan w/ Brown and White Streaks
1904179-20.1	2018-0008B - 12x12 Tan w/ Brown and White Streaks

Approved By:

Emma Diaz
Senior Analyst

Any use of these results implies your agreement that our total liability in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis

Client: Indoor Environmental Specialists Inc.

Client PO: C3516

Report Date: 25-Jan-2019

Order Date: 23-Jan-2019

Project Description: C3516

1904179-20.2	2018-0008B - 12x12 Tan w/ Brown and White Streaks
1904179-21.1	2018-0008C - 12x12 Tan w/ Brown and White Streaks
1904179-21.2	2018-0008C - 12x12 Tan w/ Brown and White Streaks
1904179-22	2018-0009B - 2x4 Yellowed, Width Fissure and Large Pinhole
1904179-23	2018-0009C - 2x4 Yellowed, Width Fissure and Large Pinhole
1904179-24.1	2018-00010A - 12x12 Beige w/ Few Thin Brown Streaks
1904179-24.2	2018-00010A - 12x12 Beige w/ Few Thin Brown Streaks
1904179-25.1	2018-00010B - 12x12 Beige w/ Few Thin Brown Streaks
1904179-25.2	2018-00010B - 12x12 Beige w/ Few Thin Brown Streaks
1904179-26.1	2018-00010C - 12x12 Beige w/ Few Thin Brown Streaks
1904179-26.2	2018-00010C - 12x12 Beige w/ Few Thin Brown Streaks
1904179-27	2018-00011B - Black Mastic Pipe Wrap Under Sink on DW Line
1904179-28	2018-00011C - Black Mastic Pipe Wrap Under Sink on DW Line
1904179-29	2018-00012B - Cellulose Pipe Insulation
1904179-30	2018-00012C - Cellulose Pipe Insulation
1904179-31	2018-00013B - 2x4 White w/ Tiny and Large Pinhole
1904179-32	2018-00013C - 2x4 White w/ Tiny and Large Pinhole
1904179-33	2018-00014A - Peach Gravel Pattern VSF on Countertop
1904179-34	2018-00014B - Peach Gravel Pattern VSF on Countertop
1904179-35	2018-00014C - Peach Gravel Pattern VSF on Countertop
1904179-36	2018-00015A - Light Orange Gravel Pattern VSF on Countertop
1904179-37	2018-00015B - Light Orange Gravel Pattern VSF on Countertop
1904179-38	2018-00015C - Light Orange Gravel Pattern VSF on Countertop

Certificate of Analysis
 Client: Indoor Environmental Specialists Inc.
 Client PO: C3516

Report Date: 25-Jan-2019
 Order Date: 23-Jan-2019
 Project Description: C3516

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1904179-01	18-Jan-19	Grey	Plaster	Yes	Client ID: 2018-0001D - Plaster Chrysotile	1
					Non-Fibers	99
1904179-02	18-Jan-19				Client ID: 2018-0001E - Plaster not analyzed	
1904179-03	18-Jan-19				Client ID: 2018-0001F - Plaster not analyzed	
1904179-04	18-Jan-19				Client ID: 2018-0001G - Plaster not analyzed	
1904179-05.1	18-Jan-19	Off-white	Vinyl Floor Tile	No	Client ID: 2018-0002B - 12x12 Off-White VFT w/ Many Blue Flecks/Blue w/Many White	100
1904179-05.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-0002B - 12x12 Off-White VFT w/ Many Blue Flecks/Blue w/Many White	100
1904179-06.1	18-Jan-19	Off-white	Vinyl Floor Tile	No	Client ID: 2018-0002C - 12x12 Off-White VFT w/ Many Blue Flecks/Blue w/Many White	100
1904179-06.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-0002C - 12x12 Off-White VFT w/ Many Blue Flecks/Blue w/Many White	100
1904179-07	18-Jan-19	Yellow	Baseboard Mastic	No	Client ID: 2018-0003B - Baseboard Mastic	100
1904179-08	18-Jan-19	Brown	Baseboard Mastic	No	Client ID: 2018-0003C - Baseboard Mastic	100
1904179-09	18-Jan-19	Brown	Adhesive Puck	Yes	Client ID: 2018-0004A - Adhesive Pucks on Walls Chrysotile	5
					Non-Fibers	95

Certificate of Analysis
Client: Indoor Environmental Specialists Inc.
Client PO: C3516

Report Date: 25-Jan-2019
Order Date: 23-Jan-2019
Project Description: C3516

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1904179-10	18-Jan-19				Client ID: 2018-0004B - Adhesive Pucks on Walls not analyzed	
1904179-11	18-Jan-19				Client ID: 2018-0004G - Adhesive Pucks on Walls not analyzed	
1904179-12.1	18-Jan-19	Tan	Vinyl Floor Tile	Yes	Client ID: 2018-0005A - 12x12 Tan w/ Many White Flecks Chrysotile Non-Fibers	2 98
1904179-12.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-0005A - 12x12 Tan w/ Many White Flecks Non-Fibers	100
1904179-13.1	18-Jan-19				Client ID: 2018-0005B - 12x12 Tan w/ Many White Flecks not analyzed	
1904179-13.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-0005B - 12x12 Tan w/ Many White Flecks Non-Fibers	100
1904179-14.1	18-Jan-19				Client ID: 2018-0005C - 12x12 Tan w/ Many White Flecks not analyzed	
1904179-14.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-0005C - 12x12 Tan w/ Many White Flecks Non-Fibers	100
1904179-15	18-Jan-19	Beige	Ceiling Tile	Yes	Client ID: 2018-0006B - 2x4 White, Small Random Divot and Tiny Pinhole Chrysotile Cellulose MMVF Non-Fibers	1 40 30 29
1904179-16	18-Jan-19				Client ID: 2018-0006C - 2x4 White, Small Random Divot and Tiny Pinhole not analyzed	

Certificate of Analysis
Indoor Environmental Specialists Inc.
Client PO: C3516

Report Date: 25-Jan-2019
Order Date: 23-Jan-2019
Project Description: C3516

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1904179-17	18-Jan-19	Beige	Ceiling Tile	No	Client ID: 2018-0007B - 2x4 Yellowed, Large Pinhole Cellulose MMVF Non-Fibers	40 30 30
1904179-18	18-Jan-19	Beige	Ceiling Tile	No	Client ID: 2018-0007C - 2x4 Yellowed, Large Pinhole Cellulose MMVF Non-Fibers	40 30 30
1904179-19.1	18-Jan-19	Tan	Vinyl Floor Tile	Yes	Client ID: 2018-0008A - 12x12 Tan w/ Brown and White Streaks Chrysotile Non-Fibers	4 96
1904179-19.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-0008A - 12x12 Tan w/ Brown and White Streaks Non-Fibers	100
1904179-20.1	18-Jan-19				Client ID: 2018-0008B - 12x12 Tan w/ Brown and White Streaks not analyzed	
1904179-20.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-0008B - 12x12 Tan w/ Brown and White Streaks Non-Fibers	100
1904179-21.1	18-Jan-19				Client ID: 2018-0008C - 12x12 Tan w/ Brown and White Streaks not analyzed	
1904179-21.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-0008C - 12x12 Tan w/ Brown and White Streaks Non-Fibers	100
1904179-22	18-Jan-19	Beige	Ceiling Tile	No	Client ID: 2018-0009B - 2x4 Yellowed, Width Flap and Large Pinhole Cellulose MMVF Non-Fibers	40 30 30

Certificate of Analysis
Client: Indoor Environmental Specialists Inc.
Client PO: C3516

Report Date: 25-Jan-2019
Order Date: 23-Jan-2019
Project Description: C3516

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1904179-23	18-Jan-19	Beige	Ceiling Tile	No	Client ID: 2018-0009C - 2x4 Yellowed, Width Fracture and Large Pinholes Cellulose MMVF Non-Fibers	40 30 30
1904179-24.1	18-Jan-19	Beige	Vinyl Floor Tile	No	Client ID: 2018-00010A - 12x12 Beige w/ Few Thin Brown Streaks Non-Fibers	100
1904179-24.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-00010A - 12x12 Beige w/ Few Thin Brown Streaks Non-Fibers	100
1904179-25.1	18-Jan-19	Beige	Vinyl Floor Tile	No	Client ID: 2018-00010B - 12x12 Beige w/ Few Thin Brown Streaks Non-Fibers	100
1904179-25.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-00010B - 12x12 Beige w/ Few Thin Brown Streaks Non-Fibers	100
1904179-26.1	18-Jan-19	Beige	Vinyl Floor Tile	No	Client ID: 2018-00010C - 12x12 Beige w/ Few Thin Brown Streaks Non-Fibers	100
1904179-26.2	18-Jan-19	Black	Mastic	No	Client ID: 2018-00010C - 12x12 Beige w/ Few Thin Brown Streaks Non-Fibers	100
1904179-27	18-Jan-19	Black	Mastic	Yes	Client ID: 2018-00011B - Black Mastic Pipe Wrap Under Sink on DW Line Chrysotile Non-Fibers	3 97
1904179-28	18-Jan-19				Client ID: 2018-00011C - Black Mastic Pipe Wrap Under Sink on DW Line not analyzed	
1904179-29	18-Jan-19	Brown/Black	Pipe Insulation	No	Client ID: 2018-00012B - Cellulose Pipe Insulation Cellulose Non-Fibers	85 15

Certificate of Analysis
by: Indoor Environmental Specialists Inc.
Client PO: C3616

Report Date: 25-Jan-2019
Order Date: 23-Jan-2019
Project Description: C3616

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1904179-30	18-Jan-19	Brown/Black	Pipe Insulation	No	Client ID: 2018-00012C - Cellulose Pipe Insulation	
					Cellulose	85
					Non-Fibers	15
1904179-31	18-Jan-19	Beige	Ceiling Tile	Yes	Client ID: 2018-00013B - 2x4 White w/ Tiny and Large Pinhole	
					Amosite	1
					Chrysotile	1
					Cellulose	40
					MMVF	30
					Non-Fibers	28
1904179-32	18-Jan-19				Client ID: 2018-00013C - 2x4 White w/ Tiny and Large Pinhole	
					not analyzed	
1904179-33	18-Jan-19	Peach	VSF	No	Client ID: 2018-00014A - Peach Gravel Pattern VSF on Countertop	
					Cellulose	20
					Non-Fibers	80
1904179-34	18-Jan-19	Peach	VSF	No	Client ID: 2018-00014B - Peach Gravel Pattern VSF on Countertop	
					Cellulose	20
					Non-Fibers	80
1904179-35	18-Jan-19	Peach	VSF	No	Client ID: 2018-00014C - Peach Gravel Pattern VSF on Countertop	
					Cellulose	20
					Non-Fibers	80
1904179-36	18-Jan-19	Orange	VSF	No	Client ID: 2018-00015A - Light Orange Gravel Pattern VSF on Countertop	
					Cellulose	20
					Non-Fibers	80
1904179-37	18-Jan-19	Orange	VSF	No	Client ID: 2018-00015B - Light Orange Gravel Pattern VSF on Countertop	
					Cellulose	20
					Non-Fibers	80

Certificate of Analysis
Client: Indoor Environmental Specialists Inc.
Client PO: C3516

Report Date: 25-Jan-2019
Order Date: 23-Jan-2019
Project Description: C3516

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1904179-38	18-Jan-19	Orange	VSF	No	Client ID: 2015-00015C - Light Orange Gravel Pattern: VSF on Counter-top	
					Cellulose	20
					Non-Fibers	80

* MMVF - Man Made Vitreous Fibers: Fiberglass, Mineral Wool, Rockwool, Glasswool
** Analytes in bold indicate asbestos mineral content.

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	NVLAP Lab Code *	Analysis Date
Asbestos, PLM Visual Estimation	by EPA 600/R-93/116	1 - Mississauga	200863-0	23-Jan-19

* Reference to the NVLAP term does not permit the user of this report to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Work Order Revisions | Comments

None



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

October 7, 2021

Indoor Environmental Specialists
P.O. Box 23004
Chatham ON N7L 0B1

Attention: Samantha Clark

Lab Reference No.: b259935
Client Project Name: C4567E
Client Project No.: C4567E
Date Received: September 30, 2021
Date Analyzed: October 7, 2021
Analyst(s): W. Mirza
Samples submitted: 3
Phases analyzed: 3

Methods of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared with representative portions of material and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. MA-244). Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	PEI, NWT, Yukon, Nunavut, Newfoundland and Labrador, and New Brunswick	1%
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta	Undefined	Manitoba	0.1% friable 1% non-friable

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017.

This report relates only to the items tested. If you have any questions, please feel free to contact me.

Yours truly,

NOTE: This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst and the laboratory manager. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty are available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Client Project Name: C4567E
 Client Project No.: C4567E
 Prepared For: Samantha Clark

Lab Reference No.: b259935
 Date Analyzed: October 7, 2021

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
2021-V01A Vermiculite	Homogeneous, grey, beige and brown, loose particulate, micaceous material.	None Detected	Vermiculite > 75% Other Non-Fibrous 0.5-5%
2021-V01B Vermiculite	Homogeneous, grey, beige and brown, loose particulate, micaceous material.	None Detected	Vermiculite > 75% Other Non-Fibrous 0.5-5%
2021-V01C Vermiculite	Homogeneous, grey, beige and brown, loose particulate, micaceous material.	None Detected	Vermiculite > 75% Other Non-Fibrous 0.5-5%

Reviewed by:

Reporting Analyst:

Digitally signed by
 Kendra Bertuzzi
 Date: 2021.10.07
 09:55:59 -04'00'

Digitally signed by
 Kendra Bertuzzi
 Date: 2021.10.07
 09:55:42 -04'00'

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
Gym 1st Floor Level	Thermal Insulation Pipe Straights	VPA-19							Non-ACM		
	Thermal Insulation Pipe Fittings								Non-ACM		
	Fire Door		X						Assumed	Yes	Assumed Asbestos. Repairs done November 26, 2020.
	Thermal Insulation Duct Coverings								Non-ACM		Fibreglass Insulation
	Vinyl Floor Tiles 12" x 12"	SP-01 S2018- 0002B,C							Non-ACM		
	Baseboard Mastic	SP-02 S2018- 0003B							Non-ACM		
	Plaster Walls	V2018- 0001	F59			X			1% CHR	Yes	
	Thermal Insulation Pipe Straights	VPA-19							Non-ACM		Fibreglass Insulation
S6 1st Floor Level	Concrete Floor								Non-ACM		
	Adhesive Puck on Walls	S2018- 0004A-C	X				X		5% CHR	No	
	Baseboard Mastic	S2018- 0003C							Non-ACM		
S9 1st Floor Level (No Access - Padlocked)	Thermal Insulation Pipe Straights	VPA-19						Non-ACM			

Samples analyzed are identified by the prefix 'S' (e.g. S0001)
 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V0001)

Designated Substance Management Plan - TABLE # 2
 February 13, 2022
 Prince Andrew Public School

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
S7 1st Floor Level	Thermal Insulation Pipe Straights	VPA-19						Non-ACM			
	Ceiling Tiles	S2018-0006B	X			X		1% CHR	No	New Material	
	Ceiling Tiles							Non-ACM			
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
	Gold Mastic on Sink Vinyl Floor Tiles 12" x 12"	S2018-0005B	X			X		Assumed	No	Assumed Asbestos	
S5 1st Floor Level	Thermal Insulation Pipe Straights	VPA-19	X					Non-ACM		Fibreglass Insulation	
	Thermal Insulation Pipe Fittings	VPA-18	X			X		25-30% CHR	Yes		
	Terrazzo Floor							Non-ACM			
	Thermal Insulation Pipe Straights	SPA-19						Non-ACM		Fibreglass Insulation	
	Vinyl Floor Tiles 12" x 12" Fire Door	S2018-0005A	X			X		2% CHR	No		
S4 1st Floor Level	Vinyl Floor Tiles 12" x 12"	V2018-0002	X					Assumed	Yes	Assumed Asbestos	
	Vinyl Floor Tiles 12" x 12"							Non-ACM		New Material	
	Thermal Insulation Pipe Fittings							Non-ACM		Not Observed 2018	
	Thermal Insulation Pipe Fittings	VPA-18	X				X	25-30% CHR	Yes		
	Terrazzo Floor							Non-ACM			

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 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V0001)

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
OF5 1st Floor Level	Vinyl Floor Tiles 12" x 12"	S2018-0008A	X			X			4% CHR	No	
	Ceiling Tiles	V2018-0006	X				X		1% CHR	No	
	Baseboard Mastic	VP-02									
W9 1st Floor Level	Vinyl Floor Tiles 12" x 12"	S2018-0008B	X			X			4% CHR	No	
	Ceiling Tiles	V2018-0005	X				X		1% CHR	No	
	Baseboard Mastic	VP-02									
OF6 1st Floor Level	Vinyl Floor Tiles 12" x 12"	V2018-0002							Non-ACM		New Material
	Ceiling Tiles								Non-ACM		Fibreglass Insulation
	Thermal Insulation Pipe Straights and Fittings								Non-ACM		New Tiles Also Present
D1 1st Floor Level	Ceiling Tiles	VPA-16							Non-ACM		
	Ceiling Tiles	S2018-0006C	X				X		1% CHR	No	
	Ceiling Tiles	S2018-0007A							Non-ACM		
D2 1st Floor Level	Terrazzo Floor								Non-ACM		
	Thermal Insulation Pipe Straights and Fittings								Non-ACM		Fibreglass Insulation
	Vinyl Floor Tiles 12" x 12"	S2018-0005C	X				X		2% CHR	No	
	Baseboard Mastic	VP-02							Non-ACM		

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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
D3 1st Floor Level	Ceramic Floor							Non-ACM			
	Ceiling Tiles							Non-ACM		New Material	
	Ceramic Floor							Non-ACM			
	Ceiling Tiles							Non-ACM		New Material	
W10 1st Floor Level	Ceiling Tiles	VPA-16						Non-ACM		New Tiles Also Present	
	Ceiling Tiles	V2018-0006	X			X		1% CHR	No		
W11 1st Floor Level	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
	Ceiling Tiles	VPA-16 S2018-0009B						Non-ACM		New Tiles Also Present	
	Ceiling Tiles	V2018-0006	X			X		1% CHR	No		
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
S10 1st Floor Level	Thermal Insulation Pipe Fittings	VPA-18						25-30% CHR		No Longer Present	
	Thermal Insulation Pipe Straights							Non-ACM		No Longer Present	
	Fire Door		X				X	Assumed	Yes	Assumed Asbestos	
	Vinyl Floor Tiles 12" x 12"	V2018-0002						Non-ACM			
S8 1st Floor Level	Uninsulated Piping and Ducting							Non-ACM			
	Thermal Insulation Pipe Fittings	VPA-18	X			X		25-30% CHR	Yes		
	Thermal Insulation Pipe Straights							Non-ACM			
	Fire Door		X				X	Assumed	Yes	Assumed Asbestos	
	Terrazzo Floor							Non-ACM			

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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
Classroom 5 1st Floor Level	Ceiling Tiles	VPA-16 S2018- 0009C						Non-ACM		New Tiles Also Present	
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
	Vinyl Floor Tiles 12" x 12"	VP-01 S2018- 0010C						Non-ACM			
Classroom 6 1st Floor Level (Library 6)	Baseboard Mastic	VP-02						Non-ACM			
	Ceiling Tiles	SPA-16 V2018- 0009						Non-ACM		New Tiles Also Present	
	Thermal Insulation Pipe Straights and Fittings	SPA-04						Non-ACM		Fibreglass Insulation	
Classroom 4, Music Room 1st Floor Level	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Replaced with New 12" x 12" Tiles	
	Baseboard Mastic	VP-02						Non-ACM			
	Ceiling Tiles	VPA-16						Non-ACM		No Access New Tiles Also Present	
Classroom 4, Music Room 1st Floor Level	Gold Mastic on Sink		X					Assumed	No	Assumed Asbestos	
	Thermal Insulation on Piping	S2018- 0011C	X					3% CHR	No	Black Mastic on Pipe Wrap Under Sink	
	Baseboard Mastic	VP-02						Non-ACM			

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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
S3 1st Floor Level								Non-ACM		Asbestos Not Observed	
C2 1st Floor Level	Thermal Insulation Pipe Fittings	VPA-18						25-30% CHR		Abated	
	Thermal Insulation Pipe Straights	VPA-19						Non-ACM		Fibreglass Insulation	
W7 1st Floor Level	Thermal Insulation Pipe Straights	S2018-0012B						Non-ACM		Cellulose	
	Baseboard Mastic	VP-02						Non-ACM			
	Ceiling Tiles	VPA-16						Non-ACM		New Material (Fibreglass)	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Replaced with Ceramic	
W8 1st Floor Level	Baseboard Mastic	VP-02						Non-ACM		Not Observed 2018	
	Ceiling Tiles	VPA-16						Non-ACM		New Material (Fibreglass)	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM			
Classroom 3 1st Floor Level	Baseboard Mastic	VP-02						Non-ACM		Not Observed 2018	
	Ceiling Tiles	VPA-03						Non-ACM		New Material	
	Thermal Insulation Pipe Straights							Non-ACM		Fibreglass Insulation	
	Thermal Insulation Pipe Fittings	VPA-18						25-30% CHR		Present Above Ceiling. Not Canvassed Not Observed 2018	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Not Observed 2018	
	Vinyl Sheet Flooring							Non-ACM		New Material	
	Baseboard Mastic	VP-02						Non-ACM		New Material	

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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
S2 1st Floor Level H1/H2 1st Floor Level										No Access	
	Ceiling Tiles	VPA-16						Non-ACM		New Tiles Also Present	
	Ceiling Tiles	V2018-0006	X				X	1% CHR	No		
	Ceiling Tiles	V2018-0007						Non-ACM			
	Fire Door		X					Assumed	Yes	Assumed Asbestos Present in H1 Only	
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
Classroom 7 1st Floor Level (No Longer Present)	Ceiling Tiles	VPA-16						Non-ACM			
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Original Carpet Removed January 2013	
	Baseboard Mastic	VP-02						Non-ACM			
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
S12 1st Floor Level	Ceiling Tiles	VPA-16						Non-ACM		New Tiles Also Present	
	Ceiling Tiles	V2018-0006	X				X	1% CHR	No		
	Vinyl Floor Tiles 12" x 12"	VP-01	X					4% CHR	No		
	Baseboard Mastic	VP-02						Non-ACM			
	Thermal Insulation on Piping	S2018-0011B	X				X	3% CHR	No	Black Mastic on Pipe Wrap Under Sink	
	Gold Mastic on Sink		X			X	Assumed	No	Assumed Asbestos		

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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
S11 1st Floor Level	Ceiling Tiles	VPA-16						Non-ACM		New Tiles Also Present	
	Ceiling Tiles	V2018-0006	X				X	1% CHR	No		
Classroom 2 1st Floor Level	Thermal Insulation Pipe Straights							Non-ACM		Fibreglass Insulation	
	Vinyl Floor Tiles 12" x 12"	VP-01 V2018-0008	X				X	4% CHR	No		
	Baseboard Mastic	VP-02						Non-ACM			
	Ceiling Tiles	VPA-16						Non-ACM		Replaced with New Tiles	
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Replaced with New Vinyl Sheet Flooring	
Storage Room Off Clrm 2 1st Floor Level (No Longer Present)	Baseboard Mastic	VP-02						Non-ACM		New Material	
	Drywall Joint Compound							Non-ACM			
S1 1st Floor Level (No Longer Present)	Thermal Insulation Pipe Straights							Non-ACM			
	Thermal Insulation Pipe Fittings	VPA-18						25-30% CHR		Minor Repairs Were Made	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM			
	Baseboard Mastic	VP-02						Non-ACM			
S1 1st Floor Level (No Longer Present)	Thermal Insulation Pipe Straights	VPA-19						Non-ACM			
	Thermal Insulation Pipe Fittings	VPA-18						25-30% CHR			
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM			
	Baseboard Mastic	VP-02						Non-ACM			

Samples analyzed are identified by the prefix 'S' (e.g. S00001)
 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V00001)

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
Classroom 1 1st Floor Level	Ceiling Tiles	VPA-16						Non-ACM		New Material	
	Thermal Insulation Pipe Straights							Non-ACM		Fibreglass Insulation	
	Thermal Insulation Pipe Fittings	VPA-18						25-30% CHR		Present Above Ceiling Not Observed 2018 (Abated)	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Replaced with New Vinyl Sheet Flooring August 2, 2007	
	Baseboard Mastic	VP-02						Non-ACM		New Material	
D5 1st Floor Level (No Longer Present)	Drywall Joint Compound							Non-ACM		New Material	
	Ceiling Tiles	VPA-16						Non-ACM		New Material	
	Thermal Insulation Pipe Straights							Non-ACM		Fibreglass Insulation	
	Thermal Insulation Pipe Fittings	VPA-18						25-30% CHR		Present Above Ceiling	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		New Flooring August 2, 2007	
W6 1st Floor Level	Baseboard Mastic	VP-02						Non-ACM		New Material	
	Ceiling Tiles							Non-ACM		New Material	
	Ceramic Floor							Non-ACM		New Material	
	Ceiling Tiles	VPA-11						Non-ACM		New Material	
	Vinyl Floor Tiles 12" x 12"	VP-01 V2018-0008		X			X	4% CHR	No		
OF2 1st Floor Level	Baseboard Mastic	VP-02						Non-ACM			
	Ceiling Tiles	SPA-10 SPA-11						Non-ACM		Replaced with New Tiles	
	Baseboard Mastic	VP-02						Non-ACM			
	Laminate Floor							Non-ACM			
								Non-ACM			

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 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V0001)

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
OF3 1st Floor Level	Ceiling Tiles	VPA-11						Non-ACM		Replaced with New Tiles	
	Baseboard Mastic	VP-02						Non-ACM			
	Laminate Floor							Non-ACM			
	Ceiling Tiles							Non-ACM			
H1 Office to Classroom 6 1st Floor Level (No Longer Present)	Fire Door							Assumed		Assumed Asbestos Present in H1 Only	
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
Office Storage Room 1st Floor Level	Ceiling Tiles	VPA-11 V2018-0006	X				X	1% CHR	No		
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		New Material	
	Baseboard Mastic	VP-02						Non-ACM			
	Ceiling Tiles	VPA-11						Non-ACM			
Staff Room 1st Floor Level	Ceiling Tiles	S2018-0007C						Non-ACM			
	Ceiling Tiles	V2018-0006	X				X	1% CHR	No		
	Ceiling Tiles	V2018-0013	X				X	1% CHR 1% AMD	No		
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Retiled October 2005	
	Gold Mastic on Sink		X				X	Assumed	No	Assumed Asbestos	
	Baseboard Mastic	VP-02						Non-ACM			

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 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V0001)

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
OF4 1st Floor Level	Ceiling Tiles	VPA-11 V2018-0006	X				X		No		
	Ceiling Tiles							Non-ACM		New Material	
	Thermal Insulation Pipe Straights							Non-ACM		Fibreglass Insulation	
	Thermal Insulation Pipe Fittings	VPA-18	X				X		Yes	Present Above Ceiling	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Retiled October 2006	
	Baseboard Mastic Black Mastic on Sink	VP-02	X				X		No	Assumed Asbestos	
W1 1st Floor Level	Ceiling Tiles	VPA-11 V2018-0006	X				X		No		
	Ceiling Tiles							Non-ACM		New Material	
	Thermal Insulation Pipe Straights							Non-ACM		Fibreglass Insulation	
	Thermal Insulation Pipe Fittings	VPA-18	X	X			X		Yes	Present Above Ceiling, 2 Poor FTG's and 2 SF of Parging Debris on Ceiling Tile. Repaired March 2019	
	Vinyl Floor Tiles 12" x 12"	VP-01						Non-ACM		Retiled October 2006	
	Baseboard Mastic	VP-02						Non-ACM			
E2 1st Floor Level	Plaster Ceiling	S2018-0001D	X				X		Yes	No Access Above Ceiling	
	Texture Coat Ceiling	VP-03	X				X		Yes	No Access Above Ceiling	
								28% CHR			

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 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V0001)

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
Boiler Room 1st Floor Level	Plaster Ceiling	S2018-0001G	X				X		1% CHR	Yes	No Access Above Ceiling
	Ceiling Tiles	V2018-0006					X		1% CHR	No	Present as Debris Behind Duct. Abated March 2019
	Thermal Insulation Pipe Straights	SPA-12							Non-ACM		Fibreglass Insulation
	Thermal Insulation Pipe Fittings								Non-ACM		Fibreglass Insulation
	Thermal Insulation Small Pipe Fittings	VPA-13	X				X		20-30% CHR	Yes	Repairs/Some Abatement May 14, 2008
	Thermal Insulation Large Pipe Fittings	SPA-13	X				X		20-30% CHR	Yes	
	Thermal Insulation Pipe Straights	VPA-19							Non-ACM		
	Thermal Insulation Pipe Straights	S2018-0012C							Non-ACM		
	Fire Door			X					Assumed	Yes	Assumed Asbestos
	Water Meter								Non-ACM		Bare - Insulation Not Observed
W3 1st Floor Level	Thermal Insulation Under Boiler Jackets		X						Assumed	Yes	Assumed Asbestos
	Thermal Insulation Breeching	VPA-13	X					X	20-30% CHR	Yes	Insulation Under Steel Jacket, No Access
	Plaster Ceiling	V2018-0001	X				X		1% CHR	Yes	No Access Above Ceiling
	Plaster Ceiling	V2018-0001	X				X		1% CHR	Yes	No Access Above Ceiling
	Plaster Ceiling	V2018-0001	X				X		1% CHR	Yes	No Access Above Ceiling
W4 1st Floor Level	Plaster Ceiling	V2018-0001	X				X		1% CHR	Yes	No Access Above Ceiling
	Plaster Ceiling	V2018-0001	X				X		1% CHR	Yes	No Access Above Ceiling
W5 1st Floor Level	Plaster Ceiling	V2018-0001	X				X		1% CHR	Yes	No Access Above Ceiling
	Plaster Ceiling	V2018-0001	X				X		1% CHR	Yes	No Access Above Ceiling

Samples analyzed are identified by the prefix 'S' (e.g. S00001)
 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V00001)

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
C1 1st Floor Level	Plaster Ceiling	V2018-0001	X				X		1% CHR	Yes	No Access Above Ceiling
	Vinyl Floor Tiles 12" x 12"								Non-ACM		Former 9" x 9" Tiles Removed, Replaced with New Vinyl Sheet Flooring
	Ceiling Tiles	VPA-11							Non-ACM		New Materials Present
	Plaster Ceiling	S2018-0001F	X				X		1% CHR	Yes	No Access Above Ceiling
Classroom 8 1st Floor Level	Upper Texture Coat Ceiling	SP-03	X	X			X		28% CHR		No Access Above Upper Ceiling
	Chalkboard		X				X		Assumed	No	Assumed Asbestos
	Gold Mastic on Sink		X				X		Assumed	No	Assumed Asbestos
	Interior Caulking								Non-ACM		New Material
	Vinyl Floor Tiles 9" x 9"		X				X		Assumed	No	Assumed Asbestos
	Baseboard Mastic	VP-02							Non-ACM		New Materials Present
Classroom 23 1st Floor Level	Ceiling Tiles	VPA-11							Non-ACM		No Access Above Upper Ceiling
	Upper Texture Coat Ceiling	VP-03	X	X			X		28% CHR		Approximately 60 SF of Debris Present on Top of Ceiling Tiles. Repaired March 2019
	Chalkboard		X				X		Assumed	No	Assumed Asbestos
	Gold Mastic on Sink		X				X		Assumed	No	Assumed Asbestos
	Interior Caulking								Non-ACM		New Material
	Vinyl Floor Tiles 9" x 9"		X				X		Assumed	No	Assumed Asbestos
Baseboard Mastic	VP-02							Non-ACM		Assumed Asbestos	

Samples analyzed are identified by the prefix 'S' (e.g. S0001)
 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V0001)

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
Classroom 9 1st Floor Level	Ceiling Tiles	VPA-11						Non-ACM		New Materials Present	
	Upper Texture Coat Ceiling	VP-03	X	X		X		28% CHR	Yes	No Access Above Upper Ceiling	
	Chalkboard		X			X		Assumed	No	Approximately 60 SF of Debris Present on Top of Ceiling Tiles. Repaired March 2019	
	Gold Mastic on Sink		X			X		Assumed	No	Assumed Asbestos	
	Interior Caulking							Non-ACM		Assumed Asbestos	
	Vinyl Floor Tiles 9" x 9"		X			X		Assumed	No	New Material	
	Baseboard Mastic	VP-02						Non-ACM		Assumed Asbestos	
	Ceiling Tiles	VPA-11						Non-ACM		New Materials Present	
	Upper Texture Coat Ceiling	VP-03	X	X		X		28% CHR	Yes	No Access Above Upper Ceiling	
	Chalkboard		X			X		Assumed	No	Approximately 60 SF of Debris Present on Top of Ceiling Tiles. Repaired March 2019	
Classroom 22 1st Floor Level	Upper Texture Coat Ceiling	VP-03	X	X		X		28% CHR	Yes	No Access Above Upper Ceiling	
	Chalkboard		X			X		Assumed	No	Assumed Asbestos	
	Gold Mastic on Sink		X			X		Assumed	No	Assumed Asbestos	
	Interior Caulking							Non-ACM		New Material	
	Vinyl Floor Tiles 9" x 9"		X			X		Assumed	No	Assumed Asbestos	
	Baseboard Mastic	VP-02						Non-ACM		Assumed Asbestos	
	Plaster Ceiling	V2018-0001	X				X	1% CHR	Yes	Limited Access Above Ceiling	
	Thermal Insulation Pipe Straights							Non-ACM		Fibreglass Insulation	
	Thermal Insulation Pipe Fittings	VP-13	X				X	20-30% CHR	Yes	Located Above Solid Ceiling	
	Thermal Insulation Pipe Straights	V2018-0012						Non-ACM		Cellulose on RWL	
OF7 1st Floor Level	Vinyl Floor Tiles 9" x 9"		X				X	Assumed	No	Assumed Asbestos	
	Baseboard Mastic	VP-02						Non-ACM		Assumed Asbestos	

Samples analyzed are identified by the prefix 'S' (e.g. S0001)
 Samples not collected but visually similar to other samples collected are identified by the prefix 'V' (e.g. V0001)

Location	Material Examined	Sample Number	Condition			Accessibility			Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible		
Classroom 21 1st Floor Level	Ceiling Tiles	SPA-05 S2018-0013B	X				X		No	1% AMO 1% CHR
	Ceiling Tiles	SPA-03							No	Non-ACM
	Ceiling Tiles								No	Non-ACM
	Chalkboard		X				X		No	Assumed
	Upper Texture Coat Ceiling	VP-03							No	Assumed Asbestos
	Vinyl Sheet Flooring on Countertop	S2018-0014A-C							No	No Access Above Upper Ceiling Not Observed 2018 - Steel Deck
	Vinyl Floor Tiles 9" x 9"			X				X	No	Assumed Asbestos Repairs Done June 2016
Gold Mastic on Sink			X				X	No	Assumed Asbestos	
Interior Caulking									New Material	
Baseboard Mastic		VP-02								Non-ACM
Classroom 20 1st Floor Level	Ceiling Tiles	VPA-05 S2018-0013C	X				X		No	1% AMO 1% CHR
	Chalkboard		X				X		No	Assumed
	Upper Texture Coat Ceiling	VP-03							No	Assumed Asbestos
	Vinyl Floor Tiles 12" x 12"								No	No Access Above Upper Ceiling Not Observed 2018
	Baseboard Mastic	VP-02								Non-ACM

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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
H3 1st Floor Level	Texture Coat Ceiling	VP-03	X				X		28% CHR	Yes	Limited Access Above Ceiling
	Plaster Ceiling	SPA-08 S2018-0001D	X				X		1% CHR	Yes	
E1, New Addition 1st Floor Level	Thermal Insulation Pipe Straights	SPA-07							Non-ACM		Fibreglass Insulation
	Thermal Insulation Pipe Fittings	VPA-13	X				X		20-30% CHR	Yes	Located Above Solid Ceiling
Classroom 19, New Addition 1st Floor Level	Ceiling Tiles	VPA-11							Non-ACM		
	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing
Classroom 10, New Addition 1st Floor Level	Ceiling Tiles	VPA-11							Non-ACM		
	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing
Classroom 18, New Addition 1st Floor Level	Ceiling Tiles	VPA-11							Non-ACM		
	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing Carpet Removed in June 2013

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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
Classroom 11, New Addition 1st Floor Level	Ceiling Tiles	VPA-11							Non-ACM		
	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
Classroom 12, New Addition 1st Floor Level	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing Tiled Summer 2008
	Ceiling Tiles	VPA-11							Non-ACM		
	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
Classroom 17, New Addition 1st Floor Level	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing
	Ceiling Tiles	VPA-11							Non-ACM		
Classroom 16, New Addition 1st Floor Level	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing Retiled Summer 2004
Classroom 13, New Addition 1st Floor Level	Ceiling Tiles	VPA-11							Non-ACM		
	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
Classroom 13, New Addition 1st Floor Level	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing Retiled Summer 2004
	Ceiling Tiles	VPA-11							Non-ACM		
	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
Classroom 13, New Addition 1st Floor Level	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing Retiled Summer 2008

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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
Classroom 14, New Addition 1st Floor Level	Ceiling Tiles	VPA-11						Non-ACM			
	Drywall Joint Compound							Non-ACM		Not Suspected to be Asbestos-Containing	
	Baseboard Mastic							Non-ACM		Not Suspected to be Asbestos-Containing	
Classroom 15, New Addition 1st Floor Level	Vinyl Floor Tile 12" x 12"							Non-ACM		Not Suspected to be Asbestos-Containing Carpet Removed in June 2013	
	Ceiling Tiles	VPA-11						Non-ACM			
	Drywall Joint Compound							Non-ACM		Not Suspected to be Asbestos-Containing	
C3 1st Floor Level	Baseboard Mastic							Non-ACM		Not Suspected to be Asbestos-Containing	
	Vinyl Floor Tile 12" x 12"							Non-ACM		Not Suspected to be Asbestos-Containing Tiled Summer 2008	
	Ceiling Tiles	VPA-11						Non-ACM			
1st Floor Level	Drywall Joint Compound							Non-ACM		Not Suspected to be Asbestos-Containing	
	Baseboard Mastic							Non-ACM		Not Suspected to be Asbestos-Containing	
	Vinyl Floor Tile 12" x 12"							Non-ACM		Not Suspected to be Asbestos-Containing	
	Thermal Insulation Pipe Straights and Fittings							Non-ACM		Fibreglass Insulation	

Samples analyzed are identified by the prefix 'S' (e.g. S00001)
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Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
W12, W13, W14 1st Floor Level	Ceiling Tiles	VPA-11							Non-ACM		
	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
H4 1st Floor Level	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing
	Thermal Insulation Pipe Straights and Fittings								Non-ACM		Fibreglass Insulation
	Ceiling Tiles	VPA-11							Non-ACM		
Exterior / Interior	Drywall Joint Compound								Non-ACM		Not Suspected to be Asbestos-Containing
	Baseboard Mastic								Non-ACM		Not Suspected to be Asbestos-Containing
	Vinyl Floor Tile 12" x 12"								Non-ACM		Not Suspected to be Asbestos-Containing Retiled 2002, Repaired July 2010
Roof Top	Thermal Insulation Pipe Straights and Fittings								Non-ACM		Fibreglass Insulation
	Vermiculite Inside Exterior Walls	2021-V01A / B/ C							Non-ACM		Vermiculite was found to be present but analysis confirms it is not asbestos containing. Aggressive survey work done by IES September 2021
	Caulking		X				X		Assumed	No	Assumed Asbestos
	Hard Plaster Overhangs		X				X		Assumed	Yes	Assumed Asbestos
Roof Top	Firestop Materials		X				X		Assumed	No	Assumed Asbestos
									Non-ACM		New Material

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Designated Substance Management Plan - TABLE # 20
 Last Revised: February 13, 2022
 Building Name: Prince Andrew Public School

Location	Material Examined	Sample Number	Condition			Accessibility			Asbestos Content	Friable (Y/N)	Comments
			Good	Fair	Poor	Accessible	Rarely Accessible	Not Accessible			
Interior/Exterior Throughout	Lead - Paints & Varnishes - Sampled in CZ, CR	P-1, P-2 & P-3	X	X						Range From 48 to 1,860 PPM Lead.	
	Lead - All Other Paints & Varnishes		X							Assumed Lead-Containing.	
	Lead - Piping, Machinery, Equipment, Batteries									Paint damages noted in OF5, S6, Stage, S3, S5 and D2. Repaired March 2019	
Interior/Exterior Throughout	Silica - All Concrete, Brick, Masonry, Terrazzo, Ceiling Tiles, Sand									Assume Lead-Containing	
Art Class/Pottery	Silica - Clay Body 700									Assume Silica-Containing	
Interior/Exterior Throughout	Mercury - Some Thermostats, Switches, Batteries, Fluorescent Bulbs									Assume Mercury-Containing	

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- LEGEND**
- M = MECHANICAL ROOM
 - W = WASHROOM
 - D = DRESSING ROOM
 - EX = EXIT
 - S = STORAGE
 - CR = CLASSROOM
 - C = CUSTODIAL AREA
 - H = HALLWAY
 - OF = OFFICE AREA
 - E = ELECTRICAL ROOM
 - B = BOILER ROOM

- ASBESTOS LEGEND**
- X = THERMAL INSULATION
 - = CEILING TILES
 - ▲ = FIRE DOOR LINING
 - + = CAULKING (INTERIOR & EXTERIOR)
 - = CHALKBOARD
 - = FLOOR TILES/VINYL SHEET
 - = SINK MASTIC
 - T = TEXTURE COAT
 - = PLASTER
 - = ADHESIVE PUCKS
- NOTE:**
ASBESTOS MAY BE IN OR AROUND THE SYMBOL.

GREATER ESSEX COUNTY DISTRICT SCHOOL BOARD
PRINCE ANDREW

TITLE: DESIGNATED SUBSTANCES
MAIN FLOOR

DRAWN BY: AS

SCALE: M.T.S.

DATE: APRIL 12, 2022

ADDRESS: 1950 KELLY RD.
LANSALLE, ON.
M9A 6Z6