OHE CONSULTANTS
Occupational Hygiene & Environment

PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS REPORT – 0.05 LEVEL

Project No.:	OHE: 21680 UofT: P005-16-152-MSB Labs & Support Rooms Renovation Project	**Work Area**	6th Floor – Rooms 6331, 6337 7th Floor – Rooms 7220, 7220A
Client:	University of Toronto (JLL)	**Shift Date:**	April 3, 2018
Project Location:	Medical Sciences Building, 1 King's College Circle, Toronto, Ontario	**Contractor:**	Biggs & Narciso Construction Services Inc.

Sample #	Sampling Date	Sampling Location	Sampling Time (From To)	Total Sampling Time (minutes)	Air Volume Sampled (Liters)	Fibre Concentration (f/cm^3)
21680-1884	Apr 3, 2018	Ambient: 6th Floor, Room 6327A, adjacent to the Work Area (Rooms 6331, 6337)	7:41 PM – 8:43 PM	62	937.32	<0.05
21680-1885	Apr 3, 2018	Ambient: 6th Floor, Corridor 6348K, adjacent to Room 6334, adjacent to the Work Area (Rooms 6331, 6337)	7:43 PM – 8:43 PM	60	903.60	<0.05
21680-1886	Apr 3, 2018	Ambient: 7th Floor, Room 7327, floor above the Work Area (Rooms 6331, 6337)	7:46 PM – 8:47 PM	61	917.07	<0.05
21680-1887	Apr 3, 2018	Ambient: 7th Floor, Corridor 7324K, adjacent to Room 7323, floor above the Work Area (Rooms 6331, 6337)	7:49 PM – 8:49 PM	60	910.44	<0.05
21680-1888	Apr 3, 2018	Ambient: 5th Floor, Room 5327, floor below the Work Area (Rooms 6331, 6337)	7:53 PM – 8:53 PM	60	903.30	<0.05
21680-1889	Apr 3, 2018	Ambient: 7th Floor, Room 7218, adjacent to the Work Area (Rooms 7220, 7220A)	6:16 PM – 7:16 PM	60	907.08	<0.05
21680-1890	Apr 3, 2018	Ambient: 7th Floor, Room 7222, adjacent to the Work Area (Rooms 7220, 7220A)	6:19 PM – 7:19 PM	60	903.60	<0.05
21680-1891	Apr 3, 2018	Ambient: 7th Floor, Corridor 7324K, adjacent to the Work Area (Rooms 7220, 7220A)	6:22 PM – 7:22 PM	60	902.04	<0.05
21680-1892	Apr 3, 2018	Ambient: 6th Floor, Room 6218, floor below the Work Area (Rooms 7220, 7220A)	6:28 PM – 7:28 PM	60	910.44	<0.05
21680-1893	Apr 3, 2018	Ambient: 6th Floor, Corridor 6221K, adjacent to Room 6222, floor below the Work Area (Rooms 7220, 7220A)	6:32 PM – 7:32 PM	60	903.30	<0.05

The concentration of airborne fibers should be less than 0.05 f/cm^3 for an area to be considered suitable for occupancy.

General Notes:

1. Samples were collected on a cellulose ester membrane filter with 0.8 micrometre pore size and 25 millimetre diameter. The filter was mounted inside a three piece filter cassette with two inch conductive cowl.
2. Collection and analysis of the air samples was performed by Phase Contrast Microscopy (PCM) in accordance with NIOSH method # 7400A.
3. Limit of Detection (LOD) is 7 fibres/mm^2; Limit of Quantitation (LOQ) is 100 fibres/mm^2; " < " denotes less than
4. Sampling pumps are calibrated before and after the sampling period. The flow rate used to determine the volume presented on this report is the average of the two flow measurements.

PHASE CONTRAST MICROSCOPY (PCM)
ANALYSIS REPORT – 0.05 LEVEL

5. Samples will be retained for 90 days after receipt and will be disposed of thereafter unless otherwise notified in writing
6. f/cm^3 – fibers per cubic centimeter of ambient air.

Air samples collected by: Shahab Ashkevari, Jr. Project Specialist
Analyst: Salim Sayed, Project Consultant