AIR Consulting Services, LLC

December 13, 2018

Dean Adams, Facilities
Pemberton Board of Education
P.O. Box 228
Pemberton, NJ 08068

Re: Mold Inspection: Newcomb Middle School

Dear Mr. Adams;

We performed air testing for mold spores in Room 305 at the Newcomb Middle School on December 10, 2018. We inspected the room and collected samples after the cleaning of the HVAC unit.

The HVAC unit was observed to be in clean condition and the damaged fiberglass insulation was removed and discarded. The odor present during our first inspection was no longer present. The room was observed to be clean and free of any observable issues.

An air sample was collected in Room 305 and one air sample was collected outside for comparison purposes. As shown in Table I, the Room 305 air sample is reported with a concentration of 170 S/m³. The sample collected in Room 305 compares favorably with the outside sample concentration of 170 S/m³ and the original levels of 1,100 S/m3. The air testing indicates clean conditions and confirms the cleaning efforts were successful. .

Based on the visual inspection and sample results we conclude that the air quality in the room is within normal ranges.

Please contact us with any questions or comments. We look forward to being of continued assistance. Your time and cooperation are greatly appreciated.

Sincerely,

David M. Kichula, CIH

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Table I
Fungi Result Summary
Newcomb Middle School
December 10, 2018

Sample Identification	Result	Identification, %
Air Samples, s/m³		
1. **Room 305**	170	Pen/Asp Types, 62% Basidiospores, 31% Smuts, Periconia, Etc., 8%
2. **Outside**	170	Basidiospores, 92% Smuts, Periconia, Etc., 8%

Sample Procedures, Total Fungi:

Air samples for total fungi were collected on the Air-O-Cell cassette, connected to a high-volume BioPump calibrated at a flow rate of 15 liters per minute. A total of 75 liters of air were collected for each air sample. After collection, the cassettes were sealed, labeled and transported to the laboratory with full chain-of-custody documentation.

In the laboratory, the samples were examined under plain optical microscopy at 600X magnification. Fungal spores, conidiophores, hyphae and other fungal structures are counted and identified on a preliminary basis by size, color and morphology.

The Air-O-Cell air testing method provides a quantitative assessment of the number of airborne fungal structures. The identification of taxa is provided by microscopic examination of the fungal spores that are present. Many fungi can be identified solely by the size and morphology of the spores. Some spores of common fungi, such as Penicillium and Aspergillus, have very similar appearance, and can only be grouped together as Penicillium/Aspergillus like. The results are reported in units of fungal structures per cubic meter of air (S/m3).

The fungi analyses were performed by EMLab P&K Microbiological Services, located in Marlton, NJ. EMLab P&K is certified by the New Jersey Department of Environmental Protection and the American Industrial Hygiene Association (AIHA Laboratory No. 100305) for the analysis of microbiological contaminants in environmental samples.