

December 28, 2017

John Swanson, Facilities
Pemberton Board of Education
P.O. Box 228
Pemberton, NJ 08068

Re: Final Mold Inspection: Stackhouse ES

Dear Mr. Swanson;

We performed air testing for mold in the Main Office, Room 7 and Academic Mastery Office at the Pemberton Stackhouse Elementary School on December 22, 2017. We conducted the testing after remediation measures had been completed.

1. Remove and replace the flexible ductwork in the Main Office.
2. Clean and disinfect the interior components of the univent in Room 7 including the diffusers, coils and area beneath the dampers. Remove and clean or replace the blowers.
3. Clean and disinfect the window AC unit in the Academic Mastery Office including the cooling coils, fan blades and supply diffusers.

The room finishes include vinyl floor tiles, carpeting, masonry walls and acoustical ceiling tiles.

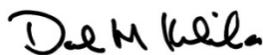
We collected air samples in the Main Office, Room 7 and Academic Mastery Office. In the Main Office the flexible ductwork was removed and replaced. In Room 7 the HVAC unit was cleaned and disinfected. In the Academic Mastery office visible mold growth was removed from the inside of the window air conditioning unit.

Air samples for mold were collected to characterize the current conditions. As shown in Table I, the indoor air samples are reported with a concentration in the range of 53 to 130 S/m³. The samples compare favorably with the outside sample result of 410 S/m³. The indoor samples are comprised of a mixture of common environmental fungi that are also present outdoors.

The air sample results are normal and indicate that the remediation measures have been completed successfully. The rooms are clean and suitable for continued occupancy.

Please contact us should you have any questions. We look forward to being of continued assistance. Your time and cooperation are appreciated.

Sincerely,



David M. Kichula, CIH

Mold Inspection: Stackhouse Elementary School (continued)

**Table I
Fungi Result Summary
Stackhouse Elementary School
December 22, 2017**

Sample Identification	Result	Identification, %
Air Samples, S/m³		
1. Main Office	130	Basidiospores, 40% Smuts, Periconia, Etc., 40% Epicoccum, 20%
2. Room 7	53	Basidiospores, 100%
3. Academic Mastery Office	120	Basidiospores, 44% Smuts, Periconia, Etc., 44% Epicoccum, 11%
4. Outside	410	Basidiospores, 65% Pen/Asp Types, 26% Smuts, Periconia, Etc., 6% Epicoccum, 3%

Sample Procedures, Total Airborne Fungi:

Air samples for airborne 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 by size, color and morphology. The Air-O-Cell air testing method provides a quantitative assessment of the number of airborne fungal structures. Some spores of common fungi, such as *Penicillium* and *Aspergillus*, have very similar appearance, and are grouped together as Pen/Asp like.

The fungi analyses were performed by EMLab P&K Microbiological Services, located in Cherry Hill, NJ. EMLab P&K is certified by the American Industrial Hygiene Association, AIHA Lab No. 100305.