Maximum Development Group, LLC d/b/a
MDG ENVIRONMENTAL, LLC

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February 7, 2024

Mr. Ralph J. Condo
Business Administrator
Township of Mullica
P.O. Box 317
Elwood, NJ 08217

RE: Post Mold Remediation Inspection & Testing
Township of Mullica / Mullica Police Department
4528 White Horse Pike
Elwood, New Jersey
MDG Project No. 23-227-3

Dear Mr. Condo:

Thank you for selecting MDG Environmental, LLC (MDG) for your indoor environmental needs. This correspondence is being forwarded to report the results of the post mold remediation inspection and testing conducted at the above referenced property.

MDG was contracted by the Township of Mullica to conduct a post mold remediation inspection and testing at the above referenced property. The purpose of the inspection and testing is to verify that the mold remediation conducted at the property was adequate and successful. It should be noted that mold remediation projects do not result in a sterile environment and it is impossible to remove all mold spores from the indoor environment including the work area.

A Fungal Remediation & Bacteria Contamination Work Plan was prepared by MDG to adequately and safely remove the fungal amplification (mold growth) and airborne fungal contamination within the lower level Police Department of the building. The Work Plan was developed based on an initial mold inspection and testing conducted by MDG on July 12, 2023. Plymouth Environmental completed the mold remediation activities in the lower level of the building on or around January 31, 2024.

On February 2, 2024, MDG's Senior Industrial Hygienist, Chris Macri conducted the post mold remediation inspection and testing in the lower level of the building. Inspection of the lower level of the building revealed that contents have been removed. The floors coverings throughout the lower level have not been removed. Approximately one-third (1/3) of the vinyl floor covering in the Detective's office was removed to reveal the concrete floor. The ceiling tiles throughout the lower level have been removed. The pine plank wall covering has been removed from the Records office and Supervisors office. The sheetrock wall covering in the Detective's office was not removed. Visual inspection of surfaces throughout the lower level including walls, floors, joists, decking, partitions, ducts, etc., revealed that they were free of visible mold growth, dust and debris.

Based on the visual inspection, it appeared that the mold remediation activities conducted within the building were adequate.

As part of the post mold remediation inspection and testing, fungal spore trap air samples were collected by using an Air-O-Cell™ cassette attached to a high volume vacuum pump. A volume of air was drawn through the cassette and the contents of the air were deposited upon a specially treated glass slide, which was then analyzed by a microbiologist who identifies fungal genera (type) and quantity. Fungal spore trap air samples measure both viable and non-viable fungal spores as well as fungal parts and fragments.

Fungal spore trap air samples are collected from the outdoors to be used as a comparison to the indoor samples. There are currently no standards of reference ranges for acceptable levels of airborne fungal concentrations when interpreting fungal air sample results. It is generally accepted that indoor airborne fungal concentrations should be approximately the same or below those found outdoors and display similar genus distribution. Elevated indoor airborne fungal concentrations as compared to outdoor concentrations are often an indicator of a fungal amplification source due to a moisture condition.

Air sampling for mold is often referred to as a "snapshot in time". The results of the mold sampling are not indicative of any past fungal contamination or any fungal contamination that may exist in the future, but only the conditions that existed at the time of sampling. The results of the samples are a reflection of the types of mold and quantity of those molds present in the air at the time and location of the sample collection. MDG cannot guarantee that mold does not exist in areas where no samples were collected during the inspection, nor can MDG guarantee that mold will not amplify (grow) at some point in the future in the areas that were sampled. The environmental conditions in a building, particularly the presence of moisture dictate whether mold will grow. Isolating and correcting unwelcome sources of moisture is the only way to prevent unwanted mold growth.

It should be noted that when outdoor air samples are collected during fall/winter months, the airborne fungal concentrations observed in the outdoor air sample tend to be much lower and indigenous fungal species may not be detected as cooler direr temperatures prevent sporulation. These factors should be taken into consideration when interpreting the fungal spore trap air sample results.

Fungal spore trap air samples were collected from the following locations:

- AOC-01 – Outdoors
- AOC-02 – Detectives Office
- AOC-03 – Squad Room
- AOC-04 – Supervisors Office
- AOC-05 – Records/Matron's Office
- AOC-06 – Chief's Office
- AOC-07 – Hallway
- AOC-08 – Waiting Area

The results of the fungal spore trap air samples can be found in Table 1.0 below. Please note that a detailed analytical report from EMSL Analytical Inc. is attached to this report.

Table 1.0: Fungal Spore Trap Air Sample Results Summary

Sample Number	Sample Location	Total Spore Concentration		Background Concentration		Background Corrected
		Raw Count	CTS/m^3	Raw Count	CTS/m^3	
AOC-01	Outdoors	62	2,760	62	2,760	N/A
AOC-02	Detective's Office	4	140	62	2,760	Less than Background
AOC-03	Squad Room	6	300	62	2,760	Less than Background
AOC-04	Supervisors Office	6	300	62	2,760	Less than Background
AOC-05	Records/Matron's Office	4	200	62	2,760	Less than Background
AOC-06	Chief's Office	1	10	62	2,760	Less than Background
AOC-07	Hallway	4	120	62	2,760	Less than Background
AOC-08	Waiting Area	5	190	62	2,760	Less than Background

The total airborne fungal concentrations of the air sample collected in the detective's office (AOC-02) were less than the background sample that was collected outdoors. However, it should be noted that slightly elevated airborne fungal concentrations of individual types of mold spores, as compare4d to the background sample, were observed including Aspergillus/Penicillium like spores and Ganoderma, but were found to be within an acceptable range of the background sample and therefore should be considered representative of a normal airborne fungal load in an occupied indoor air quality environment.

The total airborne fungal concentrations of the air sample collected in the squad room (AOC-03) were less than the background sample that was collected outdoors.

The total airborne fungal concentrations of the air sample collected in the supervisor's office (AOC-04) were less than the background samples that was collected outdoors.

The total airborne fungal concentrations of the air sample collected in the records/Matron's office (AOC-05) were less than the background sample that was collected outdoors.

The total airborne fungal concentrations of the air sample collected in the Chief's office (AOC-06) were less than the background samples collected outdoors.

The total airborne fungal concentrations of the air sample collected in the hallway (AOC-07) were less than the background sample that was collected outdoors. However, it should be noted that slightly elevated airborne fungal concentrations of Aspergillus/Penicillium like spores, as compared to the background sample were observed, but were found to be within an acceptable range of the background sample and therefore should be considered representative of a normal airborne fungal load in an occupied indoor air quality environment.

The total airborne fungal concentrations of the air sample collected in the waiting area (AOC-08) were less than the background sample that was collected outdoors.

Based on the results of the post mold remediation inspection and testing, it can be stated with a reasonable degree of professional and scientific certainty that the airborne fungal concentrations in the areas sampled within the lower level of the building were found to be at an acceptable concentration. The slightly elevated airborne fungal concentrations of individual types of mold spores found within the Detective's office and hallway were within an acceptable range of the background sample and therefore should be considered representative of a normal airborne fungal load in an occupied indoor air quality environment. The mold remediation activities conducted in the lower level of the building were successful.

Once again, thank you for selecting MDG Environmental, LLC and we hope that you will consider us in the future for your environmental or safety and health needs.

Sincerely,

MDG Environmental, LLC

Christopher Macri, IH, CMC, CIE
Senior Industrial Hygienist