

Maximum Development Group, LLC d/b/a

MDG ENVIRONMENTAL, LLC

Corporate Office

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November 15, 2023

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

RE: Air Monitoring – Sixth Round
Township of Mullica / Mullica Police Department
4528 White Horse Pike
Elwood, New Jersey
MDG Project No. 23-227-2

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 sixth round of air monitoring conducted on October 30, 2023 at the above referenced property.

The purpose of the on-going air monitoring is to provide on-going data in order to ensure that the engineering controls that were recommended by MDG in our letter dated August 18, 2023 are effective including the implementation of sufficient air filtration and isolation of the lower level of the building in order to allow short term duration/temporary access to the Police Department by authorized personnel of the Mullica Township Police Department so they can process evidence and/or retrieve files.

On November 13, 2023, MDG's Senior Industrial Hygienist, Chris Macri and Certified Microbial Investigator/Industrial Hygiene Technician arrived on-site to collect fungal spore trap air samples within the lower level of the Police Department.

MDG collected fungal spore trap air samples from the lower level rear stairwell, from the squad room, from the Detective's office, from the hallway, from the Matron's/records office and from the lower level waiting area of the building as well as from outdoors to be used as a background/comparison sample.

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Fungal spore trap air samples are collected by using an Air-O-Cell™ cassette attached to a high volume vacuum pump. A volume of air is drawn through the cassette and the contents of the air are deposited upon a specially treated glass slide, which is 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 less than 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.

Fungal spore trap air samples were collected in the following areas:

- AOC-01 – Outdoors
- AOC-02 – Waiting Area Lower Level (PD)
- AOC-03 – Hallway PD Lower Level
- AOC-04 – Squad Room
- AOC-05 – Detective’s Office
- AOC-06 – Back Stairwell
- AOC-07 – Matron’s/Records Office

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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.

Sample Number	Sample Location	Total Spore Concentration		Background Concentration		Background Corrected
		Raw Count	CTS/m ³	Raw Count	CTS/m ³	
AOC-01	Outdoors	29	1,130	29	1,130	N/A
AOC-02	Waiting Area Lower Level (PD)	8	220	29	1,130	Less than Background
AOC-03	Hallway PD Lower Level	3	120	29	1,130	Less than Background
AOC-04	Squad Room	5	240	29	1,130	Less than Background
AOC-05	Detective's Office	2	80	29	1,130	Less than Background
AOC-06	Back Stairwell	2	80	29	1,130	Less than Background
AOC-07	Matron's/Records Office	3	90	29	1,130	Less than Background

The total airborne fungal concentrations of the air sample collected in the lower level waiting area of the Police Department (AOC-02) were less than the background sample that was collected outdoors.

The total airborne fungal concentrations of the air sample collected in lower level Police Department hallway (AOC-03) were less than the background sample that was collected outdoors.

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

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

The total airborne fungal concentrations of the air sample collected in the back stairwell (AOC-06) were less than the background samples that was collected outdoors.

The total airborne fungal concentrations of the air sample collected in the Matron's/records office (AOC-07) were less than the background sample that was collected outdoors.

Based on the results of the fungal spore trap air sampling, it can be stated with a reasonable degree of scientific certainty that the airborne fungal concentrations in the areas sampled within the lower level of the building were less than the background sample that was collected outdoors.

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Based on the results of the sixth round of air monitoring conducted on November 13, 2023, the lower level of the building should continue to remain isolated, and air filtration and dehumidification within the lower level of the building should continue to remain in operation until proper repairs, waterproofing and remediation have been performed. MDG's seventh round of air monitoring is scheduled for November 27, 2023.

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

Sincerely,

MDG Environmental, LLC



Christopher Macri, IH, CMC, CIE
Senior Industrial Hygienist