

Environmental & Mold Sampling & Testing

Arlis McMahon, as owner of his companies has always assumed the responsibility of safety director for the safety and protection of his employees. Each business over the years has required entry of thousands of properties with various environmental hazards. These hazards include but not limited to, mold, contaminated water, contaminated air, electrostatic fields, asbestos, lead, natural and liquid gas, carbon monoxide structural fire residue, human remains residue and radon gas. With this responsibility he began educating himself about these hazards.

In 1971 Arlis received an education by the U.S. Public Health Department in the safe procurement and handling of hazardous samples. During the time of his catastrophe construction experience he worked many times in conjunction with the Lexington (KY) Fire Department and received additional on the job training in this hazardous field. Through study and self education he has maintained and furthered his education associated with disaster mitigation, preparedness, response, recovery, repair, and environmental hazards.

Over the years and continuing his education, supporting educational and training materials were provided by the U. S. Environmental Protection Agency (EPA), the Federal Emergency Management Agency (FEMA), various EPA approved testing laboratories along with various top hospital web sites such as the acclaimed Mayo Clinic. John Hopkins Hospital and St. Joseph East Hospital. To this date, he continues ongoing education in this field to stay abreast of current knowledge.

Since 1971 McMahon Construction Co. and followed by MultiLine Service Company, under the direction of Arlis McMahon has provided hundreds of all types of environmental sampling and testing. Mold is estimated to be about 85% of the tests, outweighing all other tests put together.

For over thirty years, he has gathered and maintained an abundance of knowledge in the field of sample procurement. Arlis or his MultiLine Service Co. does not do actual testing or mitigation of any environmental hazard or suspected hazard. To maintain an "arms length," stand alone transaction we send all samples out of state for (remote) testing and will not suggest or recommend anyone in the business of hazardous mitigation.

Our protocol involves:

- Safe Procurement of hazardous samples
- Placing samples into provided sanitized containers.
- Complete an order form for the laboratory.
- Indicate type of test required from the laboratory.
- Indicate time and date of procurement of the samples.

- State location and areas of procurement of the samples.
- Complete a “Chain of Custody” document in the event of litigation.
- Expedite the gathered samples to an EPA approved laboratory for testing and analysis.

Once testing and analysis is completed, a report is generated by the laboratory and provided to our customer. It is outside our expertise to interpret the report and if the customer has questions regarding the report we reference them to call the laboratory at the 800 number on their report for further information.

Mycotoxin molds are capable of producing *mycotoxins*, natural organic compounds that are capable of initiating a toxic response in vertebrates. Molds known to potentially produce mycotoxins and which have been isolated in infestations causing adverse health effects include certain species of *Acremonium*, *Alternaria*, *Aspergillus*, *Chaetomium*, *Cladosporium*, *Fusarium*, *Paecilomyces*, *Penicillium*, *Stachybotrys*, and *Trichoderma*.²² This list is not all-inclusive.*

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If the report contains or indicates Mycotoxin molds or other hazardous environment, prudence requires that we also advise our customer for their safety and direct our customer to pursue any laboratory report recommendations.

There is no known required certificate or license to practice this protocol.

MultiLine purchases sanitized sampling supplies from an EPA approved laboratory and are fully equipped for the procurement process. Personal Protection Equipment (PPE) including the full cover “Moon Suit,” Boots, Hoods, Rubber gloves, masks, and respirators are implemented on an as needed basis. Equipment for area lighting, photography, self contained breathing apparatus, vacuum pumps etc. are implemented on an as needed basis.

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