



Date: 09-29-2021

Client: Fort Cherry School District

Project: Air Quality Assessment

Preliminary Report

Project Summary:

Firewater Response LLC was contacted by Fort Cherry School District to perform an air quality assessment in classrooms located in the High School and Elementary School. Fort Cherry School District conveyed minor issues with the unit ventilators that caused a short term shut down of air conditioning. As a precautionary measure, multiple areas of each school were investigated.

Field Summary:

Stefan Schaming of Firewater Response investigated multiple classrooms in the High School and Elementary School where the HVAC units were temporarily shut down. Spore trap air quality samples and humidity levels were recorded, to ensure a normal fungal ecology existed. During the investigation, there were not any malodors or visible microbial spores observed. Additionally, at the time of inspection, all humidity levels were below 58%.

Results:

The laboratory results of the spore trap samples were analyzed and reported to Fort Cherry School District. Classroom 139 located in the elementary school recorded a higher count of Cladosporium than the outside control sample. Cladosporium is a common indoor/outdoor spore that results from humidity and moisture.

Recommendations:

Firewater Response recommends to install HEPA filtrated air scrubbers inside Classroom 139 to lower the counts of Cladosporium in comparison of the control sample. Additionally, relative humidity levels should be monitored and maintained below 55% to prevent microbial growth.

Sincerely,

Stefan J. Schaming CEMR