

February 23, 2009

Mesa Public Schools
555 South Lewis
Mesa, AZ 85210-8523
Attn: Operations Dept./Environmental Compliance

**Project #09-7594: Indoor Air Quality Survey, Red Mountain Ranch Elementary School,
6650 East RaftRiver Road, Mesa, AZ**

Dear Gentlemen:

Hutzel & Associates, Inc. conducted an indoor air quality survey at Red Mountain Ranch Elementary School located at 6650 East RaftRiver Road, Mesa, Arizona in Classroom's 1, 3, 6 and 12, including the hallways, on February 23, 2009. The survey consisted of air sampling for potential airborne contaminants, including fungal spore contamination. The survey was conducted by Robert L. Hutzel, CIH, CSP, Hutzel & Associates, Inc. The following summarizes the survey results.

Hutzel & Associates, Inc. used direct reading instruments to measure airborne levels of ultra fine airborne particulates. In addition, air samples for fungal spores were also collected in Classroom's 1, 3, 6 and 12. Bioaerosol sampling for viable & non-viable fungal spores, and fungal fragments was conducted using the Zefon Air-O-Cell Bio Pump and Air-O-Cell cassette method. In addition, two control samples were also collected outdoors during the survey. The Bio Pump was pre-calibrated to 15 liters per minute (lpm) and was allowed to run for 5 minutes for each sample collected. The Bio Pump was post calibrated after the survey was completed.

The fungal spore samples were delivered to Fiberquant Analytical Services for analysis. Fiberquant Analytical Services is an American Industrial Hygiene Association (AIHA) accredited laboratory and participates in the Environmental Microbiology Laboratory Accreditation Program (EMLAP). The Fiberquant laboratory reports are contained in Appendix 1.

Presently, there are no published guidelines specifying acceptable indoor airborne levels for fungi. Typically, each set of air sample result data is assessed by comparing indoor versus outdoor results. In addition, the genus of each fungus is evaluated and when one is found with significantly higher levels indoors than outdoors further investigation would be recommended.

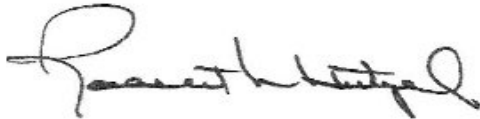
Air sample results from Red Mountain Ranch Elementary School indicate that the fungal spore levels inside Classroom's 1, 3, 6 and 12 were significantly lower than the outdoor levels and well within the acceptable range. Table 1 contains fungal spore sample number, sample location, sample type, and analysis results.

The TSI P-TRAK Ultrafine Particle Counter, Model 8525 was used to sample for particles less than one (1) micron in size. The Ultrafine Particle Counter recorded particle amounts ranging from 300 - 700 particles per cubic centimeter (pt/cc) in classroom's 1, 3, 6 and 12 and in the hallways. The outdoor particulate level was approximately 2,400 pt/cc. The particle counts inside the building were within acceptable levels. Table 2 contains the airborne particle readings.

Based on the survey results, the air quality in Classroom's 1, 3, 6 and 12, including the hallways, meets acceptable air quality comparison guidelines for indoor environments, i.e. the indoor levels are well below the outside levels. However, during the survey two ceiling tiles were identified with having a small amount of visible mold growth on the backside of the ceiling tiles. It is recommended that these ceiling tiles be replaced.

Please contact me if there are any questions regarding the survey findings. Thank you for using Hutzal & Associates, Inc. on this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert L. Hutzal". The signature is fluid and cursive, with a large initial "R" and "H".

Robert L. Hutzal, CIH, CSP
Hutzal & Associates, Inc.

TABLE 1

Sample No.	Location	Analysis Results
HA-MPS-0223-1	Outdoors, southwest corner, next to bike rack	Fungal Spores = 1,600 Cnts/m ³
HA-MPS-0223-2	Indoors, classroom #6, front of the room	Fungal Spores = 140 Cnts/m ³
HA-MPS-0223-3	Indoors, classroom #3, by the sink	Fungal Spores = 13 Cnts/m ³
HA-MPS-0223-4	Indoors, classroom #1, by the sink	Fungal Spores = 240 Cnts/m ³
HA-MPS-0223-5	Indoors, classroom #12, center of the room	Fungal Spores = 230 Cnts/m ³
HA-MPS-0223-6	Outdoors, northwest corner of the building, playground area	Fungal Spores = 1,400 Cnts/m ³

cnts/m³ = counts per cubic meter of air

TABLE 2

DIRECT READING INSTRUMENT SAMPLE RESULTS

Location	Particulates (pt/cc)
Outdoors, south of the building	2,400
Hallway's	500 - 700
Classroom #1	615 - 678
Classroom #3	745 - 815
Classroom #6	300 - 400
Classroom #12	300 - 400
Outdoors, northwest corner of the building	4,820

pt/cc = <1 micron particulates per cubic centimeter of air

APPENDIX 1

FIBERQUANT LABORATORY REPORT