

**Illinois Department of  
Public  
Health**

*John R. Lumpkin, M.D., M.P.H., Director*

525-535 West Jefferson Street • Springfield, Illinois 62761-0001

#901129501

June 12, 1995

Mr. Alan Bradish  
Christian Elementary School  
2850 Cider Mill Lane  
Springfield, IL 62704

Dear Mr. Bradish:

The Illinois Department of Public Health (IDPH) has completed a follow-up evaluation of indoor air quality (IAQ) at the Christian Elementary School, Springfield, Illinois on May 8, 1995. Bioaerosol sampling was conducted in the late morning.

Sampling was conducted using an Andersen sampler and agar plates. Eight samples were collected in four different locations. The samples were maintained at room temperature, and incubated at IDPH labs in Springfield, where they were read by a staff microbiologist. Total colony forming units were reported and air concentrations were calculated using this data and the sampling air flow rate. The results of the sampling are shown on Table One. The hallway and classrooms near the new church construction have been identified as areas of possible microbial contamination. Our sampling did not find microbial levels to be higher in these areas than in a non-complaint area (bandroom) or outdoors. Please keep in mind that this bioaerosol sampling is merely a "snapshot" of air conditions that can change from day to day inside a building.

Based on this follow-up sampling, IDPH recommends the following:

1. Minimize standing water as much as possible in occupied areas.
2. Removed water damaged building materials and materials with visible mold growth.
3. Maintain regular inspection of the condensation drains during the cooling season to insure minimal water accumulation in the HVAC system.

If you have any questions or require additional information, feel free to contact us at (217) 782-5830.

Sincerely,



K. D. Runkle  
Toxicology Section

**TABLE ONE -- C.E.S. BIOAEROSOL SAMPLING  
May 8, 1995**

<b>AREA SAMPLED</b>	<b>MICROBIAL LEVEL (cfu/m<sup>3</sup>)</b>
OUTDOORS	1,400
South Hallway	524
First Grade Room	315
Bandroom	420

cfu/m<sup>3</sup> = colony forming units per cubic meter