Indiana Department of Health

Mike Braun
Governor

Lindsay M. Weaver, MD, FACEP
State Health Commissioner

July 31, 2025

MB3 99 RDC 622
Dr. William Long, Superintendent
Center Grove Community School Corporation
4800 W Stones Crossing Road
Greenwood, IN 46143

Dear Dr. Long:

The purpose of this letter is to report on the result of our indoor air quality evaluation of Maple Grove Elementary School on July 30th. This evaluation was conducted along with the Johnson County Health Department.

Betsy Swearingen, Director of the Johnson County Health Department, contacted our office on July 27th. Her office had received an anonymous complaint regarding mold on the carpets in the school due to the HVAC system being off. Staff from the Johnson County Health Dept. visited the school on July 27th and found the HVAC system was back in operation, carpets had been treated with Microban then cleaned, and air sampling for mold had been scheduled.

After subsequent discussions with Ms. Swearingen, we agreed that it would be prudent to visit the school prior to the students returning to ensure that the HVAC system was providing adequate dehumidification to prevent mold growth and that there were no visible signs of a recurrence of the mold.

The Carbon dioxide (CO_2) levels inside were measured with the highest reading 1120 parts CO_2 per million parts of air (ppm) in the library. The School Indoor Air Quality rule, 410 IAC 33-4-2 states "(a) "Outdoor Air shall be supplied to classrooms when occupied. (b) Carbon dioxide concentrations in the breathing zone shall never exceed 700 ppm over the outdoor concentration", in this case giving a limit of 1152 ppm. ASHRAE (American Society of Heating, Refrigeration, and Air Conditioning Engineers) recommends 15 cfm (cubic feet per minute) of outdoor air per person for classrooms.

The outdoor relative humidity was measured at 61 percent (%) and the indoor relative humidity had a range of 49 to 57%. 410 IAC 33-4-4 sets the maximum relative humidity level in air-conditioned schools at 65% during periods of student occupancy. In the US EPA's publication "Mold Remediation in Schools and Commercial Buildings" they recommend maintaining a relative humidity level below 60% but ideally 30 – 50% if possible. Studies have shown that low relative humidity can cause dryness and irritation of the respiratory tract making individuals more susceptible to infections, while high relative humidity levels can promote the growth of allergens such as dust mites or mold.

Based on our measurements and visual inspection along with information provided by Mr. Thompson, the Director of Facilities, including our reviewing the air sampling results conducted by Alliance Environmental, we feel that Center Grove Community School District took appropriate action in addressing the mold on the carpets.

The School Indoor Air Quality rule 410 IAC 33-6-2 requires this report, within 5 working days of receipt, to be posted for 14 days both at the school building stated in the report, and on the school's website, where it is accessible to students, parents, and employees. As no deficiencies are noted you are not required to respond to this report.

If you have questions, I can be reached at 317.682.9033.

Sincerely,

Ron Clark

RON CLARK,
Industrial Hygienist
Indoor Air Section, Environmental Public Health

Enclosure

TABLE 1
Maple Grove Elementary School

Air Sample Results
Taken July 30, 2025

Sample	Location	Occupants	Temp °F	RH %	CO2 ppm
1	Room 10	0	73	49	723
2	Room 12	0	73	51	721
3	Room 20	0	72	53	718
4	Room 43	0	72	57	709
5	Room 36	1	72	52	704
6	Room 30	0	72	53	710
7	Room 23	4	72	52	757
8	Library	11	71	51	1120
9	Outdoor	0	89	61	452

Notes:
% ---------percent
ppm-------parts per million