

March 15, 2024

Kildeer Countryside School District # 96  
1072 Ivy Hall Lane  
Buffalo Grove, IL 60089



Attn: Mr. Sam Miranda  
Director of Facilities and Transportation

Re: Indoor Radon Screening Report  
**Country Meadows**  
**6360 Gilmer Road**  
**Long Grove, IL**

JMS Project: J-25659

Dear Mr. Miranda:

The following report covers the results of the Radon Screening that JMS Environmental Associates, Ltd. (JMS) performed at the Country Meadows, 6360 Gilmer Road located in Long Grove, Illinois from August 9, 2023 to December 27, 2023.

**Radon Facts:**

Radon is a naturally occurring radioactive gas. It comes from the natural decay of uranium which is found in the soil and rock all over the United States. Radon travels through soil and enters buildings through cracks and other holes in the foundation. Eventually, it decays into radioactive particles. EPA studies have found that radon concentrations in outdoor air average about 0.4 pCi/L. However, radon and its decay products can accumulate to much higher concentrations inside a building.

Radon is a colorless, odorless, and tasteless. The only way to know whether an elevated level of radon is present in any room of a school is to test. Each frequently occupied room that is in contact with the ground should be measured separately from adjacent rooms.

**Sampling:**

EPA protocol recommends sampling all frequently used rooms on and below the ground level. Sampling should be performed when windows and doors are more likely to be closed and heating is in operation. This is considered to be the “Closed Conditions” and “worst case” conditions for estimating the highest radon level to which someone may be exposed.

Alpha-track detectors were utilized for this long-term sampling period. This type of detector gives a better estimate of the average radon concentration.

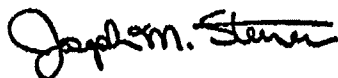
Fouty-five (45) locations were sampled ranging from  $0.5\pm 10\%$  to  $1.2\pm 7\%$ . EPA action level is 4pCi/L (picoCuries per liter). This is the level at which EPA Recommends that schools take action to reduce the level.

**Conclusion:**

Of the 45 samples taken, all were below the EPA action level is 4pCi/L (picoCuries per liter). No action needs to be taken at this time. However, EPA does recommend resampling in the future. Re-sampling should be performed when any major renovation take place, such as ones that effect the foundation, HVAC systems and additions to the structure.

If you have any questions regarding this project survey report, please do not hesitate to contact us at JMS.

Respectfully submitted,  
JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner, MS  
Environmental Director/President

**APPENDIX 'A'**

**Laboratory Report**



6312 West Oakton Street  
 Morton Grove, IL 60053-2723  
 847-965-1999  
 Fax 847-965-1991



January 05, 2024

JMS Environmental Associates, Ltd.  
 Joyce Ciesla  
 816 Burr Oak Drive  
 Westmont, IL 60559  
 USA

**Alpha Track Radon Test Results**

Detector Number	pCi/L	Test Location	Test Address	Start Date	End Date	Note*
829326	0.7 ± 9%	Room 210	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829327	0.8 ± 9%	Room 212	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829328	0.7 ± 9%	Room 205	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829329	0.7 ± 9%	Room 201	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829330	0.7 ± 9%	Room 203	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829341	0.9 ± 8%	Room 209	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829342	0.5 ± 10%	Room 207	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	

Analysis was performed at RSSI's laboratory in Morton Grove, Illinois, which is accredited to the ISO/IEC 17025:2017 standard by PJLA under accreditation number 101315. This analysis was performed under the scope of testing certificate L21-761. Analytical results showing the radon concentration relate only to the device(s) tested in the condition as received by RSSI. Results were calculated based on information provided by the client.

Customer Number:  
4160

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Detector Number	pCi/L	Test Location	Test Address	Start Date	End Date	Note*
829343	1.1 ± 7%	Room 120	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829344	0.6 ± 9%	Room 319 Learning Center	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829346	0.9 ± 8%	Room 101	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829347	0.8 ± 8%	Room 109	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829348	0.7 ± 9%	Room 111	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829349	0.8 ± 8%	Room 110	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829350	0.6 ± 10%	Room 107	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829351	0.8 ± 8%	Room 216	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829352	0.7 ± 9%	Room 214	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829353	0.5 ± 10%	Room 220	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829354	0.6 ± 9%	Room 222	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829355	0.7 ± 9%	Room 218	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	

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Detector Number	pCi/L	Test Location	Test Address	Start Date	End Date	Note*
829356	0.5 ± 10%	Room 200	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829357	0.7 ± 9%	Room 208	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829358	0.6 ± 9%	Room 206	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829360	0.7 ± 9%	Room 202	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829361	0.7 ± 9%	Commons/Cafeteria	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829362	0.5 ± 10%	Room 311 Psych	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829364	0.5 ± 10%	Room 400	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829365	0.7 ± 9%	General Music 300	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829366	0.8 ± 8%	Room 118	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829367	0.5 ± 10%	Room 114	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829368	0.6 ± 10%	Room 116	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829369	0.6 ± 9%	Room 112	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	

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Detector Number	pCi/L	Test Location	Test Address	Start Date	End Date	Note*
829370	0.6 ± 9%	Room 122	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829376	0.8 ± 8%	Room 103	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829377	0.6 ± 9%	Room 105	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829378	0.7 ± 9%	Room 104	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829379	0.6 ± 9%	Room 100	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829380	0.8 ± 8%	Room 102	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829381	0.8 ± 8%	Room 108	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829382	0.8 ± 8%	Room 106	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829383	0.6 ± 9%	Room 309	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829384	0.4 ± 11%	Room 301 Conference	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829385	0.5 ± 10%	Room 305	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829387	0.6 ± 9%	West Office	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	

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Detector Number	pCi/L	Test Location	Test Address	Start Date	End Date	Note*
829389	0.7 ± 9%	East Office	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	
829596	1.2 ± 7%	Chiller Room Gym West	6360 Gilmer Road Long Grove, IL 60047	8/9/2023	12/27/2023	

Analyzed By:  01/04/2024  
 Zoe Darlington  
 Radon Analyst  
 Analysis Date

\*\*\*END REPORT\*\*\*

\* 1-Broken Seal, 2-Damaged Filter, 3-Loose Test Material, 4-Missing Test Material, 5-Missing End Date, 6-Missing Start Date, 7-Less Than 8 Days, 8-Past Expiration Date, 9-Missing Both Dates, NA-No applicable notes

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