Certified Radon
and Environmental
Testing Inc

6415 Veterans Blvd
Chester. WV 26034
304-919-3337

August 27, 2024

Radon Testing Results for Pine-Richland High School, Pine-Richland Middle School, Hance Elementary School, Richland Elementary School, Wexford Elementary School and Eden Hall Upper Elementary School are included.

The initial testing at Hance Elementary library Indicated slightly elevated radon levels. Upon retesting with a Breeze Continuous Radon Monitor the radon levels were found to be within the normal range.

Eden Hall Upper Elementary School had several classrooms with slightly elevated radon levels. Following EPA protocol, these room were retested during normal weather conditions, All classrooms were within the normal range.

All other schools have no elevated radon levels. The test results are included here.

The testing includes Duplicate and Blanks measurements.

Duplicates provide a check on the quality of the measurement result and allow the user to make an estimate of the relative precision. They are placed side by side during exposure and are sent to the laboratory the same as any other test. The comparison levels must be with 25% of each other to be considered acceptable.

Blank measurements: These tests are placed in the field unopened to check the laboratory for accuracy from background exposure during transportation.

All testing was supervised by John Mallon Jr. PA DEP # 0492 an Impartial certified tester.

Keith L. English

PA DEP Radon Certification # 3557

NRSB Certification # 18SS042

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E-Perm Radon Testing System

E-PERM® is an acronym for Electret Passive Environmental Radon Monitor. Rad Elec's E-PERM® System has revolutionized the radon industry with its patented electret ion chamber technology. Recipient of the American Nuclear Society's prestigious International Radiation Science and Technology Award, the accurate, low-cost E□PERMs® have gained acceptance with over 1,500 home inspectors throughout the USA and used in over 30 countries worldwide. An E-PERM® , also known as an Electret Ion Chamber (EIC), is a passive integrating ionization monitor consisting of a very stable electret mounted inside a small chamber made of electrically conducting plastic. The electret, a charged Teflon® disk, serves as both the source for ion collection and as the integrating ion sensor. Radon gas passively diffuses into the chamber through filtered inlets, and the alpha particles emitted by the decay process ionize air molecules. Negative ions produced inside the chamber are collected on the positively charged electret, causing a reduction of its surface charge. The reduction in charge is a function of the radon concentration, the duration of the testing period, and the chamber volume. This change in voltage is measured with Rad Elec's user friendly SPER-1 Electret Voltage Reader. The results are calculated and a Radon Test Report is generated using the Radon Report Manager Software. The basic components of the E-PERM® System consist of the electret voltage reader, chambers, electrets and calculation/analysis tools. There are chambers of different sizes and electrets of different sensitivities to meet a wide range of monitoring situations. Typically, more sensitive electrets, referred to as ST Electrets, are used for short-term measurements, and LT Electrets (long-term electrets) which are less sensitive are used for measurements of a longer duration.

Test #	Location Code	Begin Date	End Date	Results pCi/l	Analysis Date
201	110	7/9/2024	7/11/2024	1.5	7/11/2024
202	112	7/9/2024	7/11/2024	0.7	7/11/2024
203	114	7/9/2024	7/11/2024	1.1	7/11/2024
204	108 Library	7/9/2024	07/11/2024	1.2	7/11/2024
205	108 Library	7/9/2024	7/11/2024	0.8	7/11/2024
206	108 Library	7/9/2024	7/11/2024	0.8	7/11/2024
207	Nurse Office	7/9/2024	7/11/2024	0.9	7/11/2024
208	Nurse Office	7/9/2024	7/11/2024	0.9	7/11/2024
209	109 Main Office	7/9/2024	7/11/2024	1.7	7/11/2024
210	109B Work Room	7/9/2024	7/11/2024	2.0	7/11/2024
211	Principal Office	7/9/2024	7/11/2024	1.5	7/11/2024
212	109D Conference Room	7/9/2024	7/11/2024	1.2	7/11/2024
213	Lobby	7/9/2024	7/11/2024	0.7	7/11/2024
214	Lobby	7/9/2024	7/11/2024	0.7	7/11/2024
215	100 C Band	7/9/2024	7/11/2024	1.4	7/11/2024
216	100 C Band	7/9/2024	7/11/2024	1.5	7/11/2024
217	100 Music	7/9/2024	7/11/2024	1.0	7/11/2024
218	100D Band	7/9/2024	7/11/2024	2.0	7/11/2024
219	102 Auditorium	7/9/2024	7/11/2024	1.7	7/11/2024
220	102 Auditorium	7/9/2024	7/11/2024	1.5	7/11/2024
221	103	7/9/2024	7/11/2024	0.8	7/11/2024
222	104	7/9/2024	7/11/2024	0.5	7/11/2024
223	105	7/9/2024	7/11/2024	0.7	7/11/2024
224	105	7/9/2024	7/11/2024	0.7	7/11/2024
225	105A	7/9/2024	7/11/2024	1.1	7/11/2024
226	100D Band	7/9/2024	7/11/2024	1.9	7/11/2024
227	106A Conference	7/9/2024	7/11/2024	1.0	7/11/2024
228	106	7/9/2024	7/11/2024	1.5	7/11/2024
229	107	7/9/2024	7/11/2024	1.4	7/11/2024
230	116	7/9/2024	7/11/2024	0.8	7/11/2024
231	118	7/9/2024	7/11/2024	0.7	7/11/2024
232	120	7/9/2024	7/11/2024	0.7	7/11/2024
233	201	7/9/2024	7/11/2024	0.7	7/11/2024
234	201	7/9/2024	7/11/2024	0.7	7/11/2024
235	206	7/9/2024	7/11/2024	1.2	7/11/2024
236	211	7/9/2024	7/11/2024	1.0	7/11/2024
237	214	7/9/2024	7/11/2024	0.5	7/11/2024
238	219	7/9/2024	7/11/2024	1.2	7/11/2024
239	219	7/9/2024	7/11/2024	1.0	7/11/2024
240	007	7/9/2024	7/11/2024	2.3	7/11/2024
241	008	7/9/2024	7/11/2024	1.8	7/11/2024
242	009	7/9/2024	7/11/2024	0.7	7/11/2024
243	010	7/9/2024	7/11/2024	2.1	7/11/2024
244	011	7/9/2024	7/11/2024	1.7	7/11/2024
245	012D Staff	7/9/2024	7/11/2024	1.5	7/11/2024
246	014 Outer Office	7/9/2024	7/11/2024	1.7	7/11/2024
247	014 Inner Office	7/9/2024	7/11/2024	1.5	7/11/2024
248	010	7/9/2024	7/11/2024	1.2	7/11/2024
249	013	7/9/2024	7/11/2024	1.5	7/11/2024
250	015	7/9/2024	7/11/2024	1.0	7/11/2024

Test #	Location Code	Begin Date	End Date	Results pCi/l	Analysis Date
501	100 Office	7/19/2024	7/22/2024	1.2	7/22/2024
502	Conference Room	7/19/2024	7/22/2024	1.4	7/22/2024
503	101 Cafeteria	7/19/2024	7/22/2024	1.4	7/22/2024
504	101 Cafeteria	7/19/2024	7/22/2024	1.0	7/22/2024
505	102 Nurses Office	7/19/2024	7/22/2024	1.4	7/22/2024
506	104 Gymnasium	7/19/2024	7/22/2024	1.1	7/22/2024
507	104 Gymnasium	7/19/2024	7/22/2024	0.4	7/22/2024
508	105	7/19/2024	7/22/2024	1.5	7/22/2024
509	106	7/19/2024	7/22/2024	1.4	7/22/2024
510	107	7/19/2024	7/22/2024	1.1	7/22/2024
511	108	7/19/2024	7/22/2024	2.2	7/22/2024
512	109	7/19/2024	7/22/2024	1.4	7/22/2024
513	110	7/19/2024	7/22/2024	1.1	7/22/2024
514	111	7/19/2024	7/22/2024	1.2	7/22/2024
515	112	7/19/2024	7/22/2024	1.7	7/22/2024
516	113	7/19/2024	7/22/2024	1.3	7/22/2024
517	114 Library	7/19/2024	7/22/2024	4.4	7/22/2024
518	114 Library	7/19/2024	7/22/2024	4.3	7/22/2024
519	115	7/19/2024	7/22/2024	3.6	7/22/2024
520	116	7/19/2024	7/22/2024	1.5	7/22/2024
521	117	7/19/2024	7/22/2024	1.8	7/22/2024
522	118	7/19/2024	7/22/2024	3.9	7/22/2024
523	120	7/19/2024	7/22/2024	0.7	7/22/2024
524	103A Kitchen Office	7/19/2024	7/22/2024	2.9	7/22/2024
525	121	7/19/2024	7/22/2024	1.6	7/22/2024
526	121	7/19/2024	7/22/2024	1.6	7/22/2024
527	122	7/19/2024	7/22/2024	1.0	7/22/2024
528	123	7/19/2024	7/22/2024	0.7	7/22/2024
529	124	7/19/2024	7/22/2024	1.5	7/22/2024
530	126	7/19/2024	7/22/2024	1.0	7/22/2024
531	127	7/19/2024	7/22/2024	0.9	7/22/2024
532	128	7/19/2024	7/22/2024	1.2	7/22/2024
533	129	7/19/2024	7/22/2024	1.6	7/22/2024
534	130	7/19/2024	7/22/2024	2.5	7/22/2024
535	131	7/19/2024	7/22/2024	1.9	7/22/2024
536	131	7/19/2024	7/22/2024	1.9	7/22/2024
537	132	7/19/2024	7/22/2024	2.2	7/22/2024
538	133	7/19/2024	7/22/2024	2.9	7/22/2024
539	134	7/19/2024	7/22/2024	3.0	7/22/2024
540	135	7/19/2024	7/22/2024	3.1	7/22/2024
541	135	7/19/2024	7/22/2024	2.8	7/22/2024
542	136	7/19/2024	7/22/2024	1.1	7/22/2024
543	137	7/19/2024	7/22/2024	0.7	7/22/2024
544	138	7/19/2024	7/22/2024	1.3	7/22/2024
545	139	7/19/2024	7/22/2024	2.4	7/22/2024
546	140	7/19/2024	7/22/2024	1.2	7/22/2024
547	141	7/19/2024	7/22/2024	0.6	7/22/2024
548	142	7/19/2024	7/22/2024	2.6	7/22/2024

549	142	7/19/2024	7/22/2024	2.4	7/22/2024
550	143	7/19/2024	7/22/2024	1.5	7/22/2024
551	144	7/19/2024	7/22/2024	2.5	7/22/2024
552	145	7/19/2024	7/22/2024	1.1	7/22/2024
553	Mechanical Room	7/19/2024	7/22/2024	0.7	7/22/2024

Test #	Location Code	Begin Date	End Date	Results pCi/l	Analysis Date
401	Main Office	7/19/2024	7/22/2024	0.9	7/22/2024
402	Staff Office	7/19/2024	7/22/2024	1.5	7/22/2024
403	D106 Principal Office	7/19/2024	7/22/2024	1.1	7/22/2024
404	D107 Council Office	7/19/2024	7/22/2024	1.5	7/22/2024
405	Kitchen Office	7/19/2024	7/22/2024	0.8	7/22/2024
406	Nurses Office	7/19/2024	7/22/2024	1.2	7/22/2024
407	Nurses Office	7/19/2024	7/22/2024	1.0	7/22/2024
408	A107	7/19/2024	7/22/2024	0.8	7/22/2024
409	A110	7/19/2024	7/22/2024	1.3	7/22/2024
410	A111 Library Media	7/19/2024	7/22/2024	1.1	7/22/2024
411	Library	7/19/2024	7/22/2024	1.3	7/22/2024
412	A112	7/19/2024	7/22/2024	0.9	7/22/2024
413	Cafeteria	7/19/2024	7/22/2024	0.5	7/22/2024
414	Cafeteria	7/19/2024	7/22/2024	1.0	7/22/2024
415	B105	7/19/2024	7/22/2024	1.4	7/22/2024
416	B104	7/19/2024	7/22/2024	1.4	7/22/2024
417	B105	7/19/2024	7/22/2024	1.3	7/22/2024
418	B106	7/19/2024	7/22/2024	0.9	7/22/2024
419	B107	7/19/2024	7/22/2024	0.8	7/22/2024
420	B107	7/19/2024	7/22/2024	1.0	7/22/2024
421	B108	7/19/2024	7/22/2024	1.7	7/22/2024
422	B110	7/19/2024	7/22/2024	1.0	7/22/2024
423	B116	7/19/2024	7/22/2024	1.9	7/22/2024
424	B117	7/19/2024	7/22/2024	0.5	7/22/2024
425	B119	7/19/2024	7/22/2024	0.8	7/22/2024
426	B119	7/19/2024	7/22/2024	0.8	7/22/2024
427	B120	7/19/2024	7/22/2024	1.3	7/22/2024
428	B120	7/19/2024	7/22/2024	1.3	7/22/2024
429	B121	7/19/2024	7/22/2024	1.5	7/22/2024
430	B124	7/19/2024	7/22/2024	1.0	7/22/2024
431	C101	7/19/2024	7/22/2024	0.6	7/22/2024
432	C102	7/19/2024	7/22/2024	1.0	7/22/2024
433	C103	7/19/2024	7/22/2024	1.6	7/22/2024
434	C104 Faciulty Work Room	7/19/2024	7/22/2024	1.4	7/22/2024
435	C105 Art	7/19/2024	7/22/2024	0.8	7/22/2024
436	C106	7/19/2024	7/22/2024	0.9	7/22/2024
437	C110	7/19/2024	7/22/2024	1.2	7/22/2024
438	C111	7/19/2024	7/22/2024	1.0	7/22/2024
439	C112	7/19/2024	7/22/2024	0.9	7/22/2024
440	C117	7/19/2024	7/22/2024	1.7	7/22/2024
441	C118	7/19/2024	7/22/2024	1.7	7/22/2024
442	C118	7/19/2024	7/22/2024	1.7	7/22/2024
443	C119	7/19/2024	7/22/2024	1.5	7/22/2024
444	C120	7/19/2024	7/22/2024	1.3	7/22/2024
445	C121	7/19/2024	7/22/2024	1.9	7/22/2024
446	C128	7/19/2024	7/22/2024	1.6	7/22/2024
447	C129	7/19/2024	7/22/2024	1.2	7/22/2024
448	C130	7/19/2024	7/22/2024	0.3	7/22/2024
449	C333 Maintenance	7/19/2024	7/22/2024	1.7	7/22/2024
450	C135	7/19/2024	7/22/2024	1.4	7/22/2024
451	C136	7/19/2024	7/22/2024	1.3	7/22/2024
452	D111 Gymnasium	7/19/2024	7/22/2024	1.1	7/22/2024

REPORT #: BR0072177
START DATE/TIME: 08/14/24 11:00 AM
END DATE/TIME: 08/16/24 11:00 AM
DEVICE TYPE: CRM
CALIBRATED: 03/27/2024 - 03/27/2025

BREEZE RADON MONITORING SYSTEMS

NRPP NATIONAL RADON PROFICIENCY PROGRAM

RADON RESULTS SUMMARY

Radon Test Conducted By: Keith English

Individual Certification Number: 3557

Retrieved By: Keith English

Retrieved by Certification Number: 3557

Radon Test Conducted For: Hance Elementary

Property Tested: 5518 Molnar Drive
Gibsonia, PA 15044

Test Site:	Serial #	EPA Protocol Avg:	Temp:	Humidity:	Pressure:
1. Library	075276	2.2 pCi/L	71.2 °F	60.3%	97.7 kPA
2.					
3.					
4.					

Recommendations:

☐ Mitigation is recommended:
At least one test site at this property tested above the EPA 4.0 pCi/L Action Level

☒ No additional mitigation recommended at this time: Conduct a follow-up test in an opposite season, every two years and/or upon significant structural and/or HVAC modifications.

QUALITY CONTROLS & TEST VALIDATION
Test duration meets EPA minimum requirement of 48 hours. No indication of severe weather interference. No tampering or other interference was detected.

MITIGATION RECOMMENDATIONS
The EPA recommends homes be mitigated if the radon level is 4.0 pCi/L (picocuries per liter) or more. A follow-up test is recommended every 2 years and every time the dwelling undergoes major structural and/or HVAC changes. The mitigation recommendation shown on this report is determined based on the EPA Protocol Avg. to account for ramp up time.

MEASUREMENT RESULTS
This property was tested for the presence of radon gas according to short-term testing protocols for real estate transactions. The test is considered a screening of average radon gas concentrations at the specific test location(s) during the measurement period only. Indoor radon levels fluctuate daily, seasonally, and annually based on human occupancy, mechanical appliance usage, weather, and other factors.

TEST LOCATIONS
The greatest exposure to radon in the home; rooms that are in contact with the ground, below ground, and immediately above. For this reason, this home should be tested in the livable area(s) in accordance with EPA and state guidelines. Radon detection devices should never be placed in unlivable spaces such as crawlspaces, sump pits, closets, etc.

HEALTH RISK
The average indoor radon concentration nationwide is about 1.3 pCi/L. An individual that has never smoked, exposed to 1.3 pCi/L has a 2 in 1,000 chance of dying from lung cancer while a smoker has a 20 in 1,000 chance of dying from lung cancer. There is no safe level of exposure to radon. For more information on this please visit: https://www.epa.gov/radon/citizens-guide-radon-guide-protecting-yourself-and-your-family-radon

INTERFERENCE
Significant quality control efforts were made to protect the integrity of this sampling. This includes interference due to tampering. Breeze Radon Monitoring Systems cannot provide any warranty against tampering while measurement devices were under control of an interested party and/or his or her representatives such as in real estate transactions. Breeze Radon Monitoring Systems and its representatives cannot provide any warranty for the consequences of erroneous test results and cannot be held liable under any charges or claims for losses.

Pennsylvania law requires that anyone who performs radon testing, mitigation or laboratory analysis activities must be currently certified by the Pennsylvania Department of Environmental Protection (DEP). Any person providing these radon services shall present to the client a current Department-issued photo identifica-tion card upon request. If you have questions, you may contact DEP at the Bureau of Radiation Protection, Department of Environmental Protection, P.O. Box 8469, Harrisburg, Pa. 17105-8469, (717) 783-3594.

For More Information:
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Business License #: PA DEP LAB #3558

BREEZE RADON MONITORING SYSTEMS

Results reviewed by:
Residential Warranty Services, Inc. D.B.A. Inspectorlab, D.B.A. Prioritylab ID: RB2721