

Peter Dart  
Superintendent

March 22, 2024

Dear Mansfield Elementary School Families and Staff:

On February 28<sup>th</sup>, 2024, we notified the MES community that radon tests indicated that there were classrooms/offices at Mansfield Elementary School which were above action levels. After the installation of fans to vent radon gas, the rooms were re-tested by Brooks Enviro and Air Chek, Inc. The March 21, 2024 report, which is included in this letter, shows that all areas are now below the action levels of 4.0 picocuries per liter (pCi/L) and meet state safety standards. Per Connecticut General Statute § 10-220(d)(2), schools are required to annually inspect and evaluate indoor air quality, that includes radon levels. Mansfield Public Schools will continue to share this data with you.

To read more about radon and the school testing program effort please use the following link: <https://portal.ct.gov/-/media/DPH/Radon-Program/schools-pamphlet-legal-rev-2023.pdf> . If you have further questions or concerns regarding radon, please feel free to contact the EHHD health department at (860) 429-3325 or the Connecticut Department of Public Health Radon Program at (860) 509-7300.

Sincerely,  
Peter Dart  
Superintendent of Schools



March 21, 2024

Allen Corson  
4 South Eagleville Road  
Storrs-Mansfield, Connecticut 06268

Dear Mr. Corson,

The results of recent radon-in-air testing at the Mansfield Elementary School are enclosed. You will find one page presented in a format suitable for posting. The radon-in-air concentration is given in the second column labeled "pCi/L" and the location is given in the third column labeled "Room". Note that the symbol "<" indicates no radon was detected. In that case, the number given (0.3) represents the detection limit.

Radon-in-air samples were collected following guidelines issued by the Connecticut Department of Public Health (CT-DPH) in response to Connecticut Public Act 03-220, "An Act Concerning Indoor Air Quality in Schools". Charcoal samplers, manufactured and analyzed by Air-Chek Inc., 1936 Butler Bridge Road, Mills River, NC 28759, were placed rooms indicated in the lab report.

The Connecticut guideline for radon-in-air is 4 pCi/L. The Department of Public Health currently feels that no further action is indicated when results this low are obtained. Although exposures in this range do present some risk of lung cancer, no remedial measures are recommended since reduction of levels this low may be impossible to achieve.

**All of the results obtained in this survey were below 4 pCi/L.**

Sincerely yours,

Long Thai  
Consultant



## APPENDIX

Some of the samples listed with the results were collected as part of quality control. These samples fall into three categories: (1) blanks, and (2) duplicates.

The blank sample yielded <math><0.3</math>, indicating this batch of packets was not contaminated and the laboratory did not introduce an upward bias. The blanks are indicated by "BL" following a room designation.

Duplicates were collected by setting two packets 4" apart. The results indicate an overall standard deviation of measurement of less than 0.49 pCi/L.

Duplicate	#1	#2	Mean	Stad Dev	RPD
Room 13	0.7	1.4	0.245	0.49	NA

The CT-DPH states that the quality of the results should be questioned if the relative percent difference (RPD) of results over 4.0 pCi/l is 25% or more. Since all of the results for duplicates are less than 4.0 pCi/L, the CT criteria is not applicable.

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March 21, 2024

**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**SCHOOL**  
**MES**

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<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
28039838	013 DUPL	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	1.4 ± 0.5	2024-03-14
28039833	040D	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	1.8 ± 0.5	2024-03-14
28039818	13	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	0.7 ± 0.5	2024-03-14
28039822	146A	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	0.9 ± 0.5	2024-03-14
28039831	146B	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	1.0 ± 0.5	2024-03-14
28039824	146C	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	0.9 ± 0.4	2024-03-14
28039837	146G	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	0.8 ± 0.5	2024-03-14
28039832	35	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	1.3 ± 0.5	2024-03-14
28039829	35 DUPL	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	1.3 ± 0.5	2024-03-14
28039830	36	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	2.5 ± 0.6	2024-03-14
28039823	FB	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	< 0.3	2024-03-14
28039821	MAIN OFF.	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	0.8 ± 0.5	2024-03-14
28039817	O36	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	2.9 ± 0.6	2024-03-14
28039834	O37	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	1.5 ± 0.5	2024-03-14
28039825	O38	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	1.3 ± 0.5	2024-03-14
28039826	O39	2024-03-06 @ 10:00 am	2024-03-08 @ 11:00 am	1.8 ± 0.5	2024-03-14

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Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498