



Mankato Area Public Schools 2024 Short-Term Radon Testing Results

Radon is a naturally occurring colorless and odorless gas that can enter school buildings from the underlying soil and build up to levels that are unsafe. Pursuant to Minnesota State Statute 123B.571, school districts may do routine radon testing a minimum of every five years and after major HVAC renovation work. A total of 189 radon test kits were placed from January 22, 2024 to January 25, 2024 for a total short-term sampling period of three (3) days.

Below in Chart 1 are the results of the radon testing that was conducted in FYI 2023-2024. The U.S. Environmental Protection Agency (EPA) recommends additional investigation when a space measures 4.0 picocuries per liter (pCi/L) or higher. Radon levels in ten (10) samples were above the EPA action level of 4 pCi/L and test data is not yet fully adequate to make decisions whether to mitigate.

Follow up samples were gathered from February 28 to March 1 and March 4 to March 6 in those spaces that recorded over 4 pCi/L level. Those results are in Chart 2.

CHART 1

Short-Term Test - January 22, 2024 to January 25, 2024		Passing Sample	Passing Sample	Passing Sample	Samples Requiring Follow-up Testing	Follow-up Testing Results - Occupied Radon Level
Building Name	Total Samples	0.0-1.9 pCi/L	2.0-2.9 pCi/L	3.0-3.9 pCi/L	≥ 4 pCi/L	3 day continuous sampling
Lincoln Community Center	36	20	9	4	3	4
Monroe Elementary	39	39	0	0	0	0
Kennedy Elementary	52	34	18	0	0	0
Hoover Elementary	62	62	0	0	0	0

CHART 2 - Retest (3 Day Continuous Monitoring)

Continuous Radon Monitor (CRM) Test: 2/28-3/1 Prop Office 3/04-3/6 Wood Shop		Passing Sample	Passing Sample	Passing Sample	Samples Requiring Follow-up Testing
Building Name	Total Samples	0.0-1.9 pCi/L	2.0-2.9 pCi/L	3.0-3.9 pCi/L	≥ 4 pCi/L
Lincoln Community Center	4	0	0	4	0



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Mitigation Plan

- 1) Verify HVAC system is operating properly (fresh air dampers)
- 2) Operate HVAC 24/7
- 3) Retest after the above have been completed