



The radon analysis indicates that the radon gas concentrations detected in all areas assessed on the first floor of Magnolia Elementary School were below the Action Limit of 4pCi/L recommended by the EPA. The field blank sample was also below the acceptable limit and was within the typical +/- uncertainty for this analytical method. A summary of the analytical results is provided in Table 1 below. The laboratory analysis report is included as Attachment A.

**Table 1: Radon in Air Sample Results
Magnolia Elementary School
November 17 – November 20, 2023**

Test Kit ID	Location	Result (pCi/L)	EPA Action Level (pCi/L)
4988244	Floor 1 Room K1	0.5	4.0
4988254	Floor 1 Room B3	0.7	
4988283	Floor 1 Room K2	0.6	
4988263	Floor 1 Room A1	0.6	
4988274	Floor 1 Room D4	0.9	
4988264	Floor 1 Room D4	0.7	
4988225	Floor 1 Room D1	0.4	
4988293	Floor 1 Room F1	0.6	
4988284	Back Office Field Blank	< 0.4	

Conclusions and Recommendations

Radon gas concentrations detected within all areas assessed on the first floor of Magnolia Elementary School were below the EPA recommended Action Level of 4pCi/L for indoor occupied areas during this sampling period. Based on these results, no radon mitigation efforts are required in this school building.

It should be noted that radon gas concentrations may fluctuate with ambient weather conditions, seasonal changes, HVAC operational changes, and/or after renovations/repairs which affect building pressurizations. Therefore, Tidewater recommends that additional testing be conducted if any building modifications are made which may impact building pressurization.

Limitations

This report has been prepared to assist PGCPs in documenting radon concentrations on the first floor of Magnolia Elementary School located at 8400 Nightingale Drive, Lanham, Maryland.

Our conclusions and recommendations are based on the testing results for the samples discussed above which are indicative of the period during which the testing was conducted. Actual conditions vary throughout the year. This report only describes the conditions present at