



Date: 11/20/19

Performed by: Andrew Tinklenberg

Location: Bethune School

RE: Radon Testing

INTRODUCTION

From November 5 – 8, 2019, radon testing was performed within Bethune School. The testing was performed in frequently-occupied ground contact rooms and rooms immediately above unoccupied spaces (crawl spaces, tunnels, etc.) that are in contact with the ground per the Environmental Protection Agency (EPA) and Minnesota Department of Health (MDH) guidelines.

SUMMARY OF FINDINGS

Office 113B (Health Office) and Office 165 were found to have radon gas levels above 4.0 picocuries per liter of air (pCi/L). When radon is detected above this level, the EPA and MDH recommend follow-up testing in the area. From November 13 – 15 and November 18 – 20, 2019, follow-up testing was performed in the areas using a continuous radon monitor (CRM). CRMs are recommended for follow-up testing because they give hour-by-hour results instead of just an overall average of the radon concentration during the test period. This can be helpful in assuring that radon gas concentrations in an area are below 4.0 pCi/L during occupied times. The CRM results proved this to be true as the average radon gas concentration for the CRM follow-up testing during the two office's potentially occupied hours which are from approximately 8:00 AM – 4:00 PM, Monday – Friday, was 3.7 pCi/L (overall) and 2.4 pCi/L (occupied) for Office 113B, and 1.4 pCi/L (overall) and 0.9 pCi/L (occupied) for Office 165.

All other areas that were tested were found to have radon gas levels below 4.0 pCi/L. (Note: Rooms B & BB were the blank samples.)

Please refer to the attached AirChek radon testing report, CRM testing results, and sample diagram for further information concerning the radon testing, areas that were tested, and the radon levels that were found to be present. Per MDH requirements, this information will be shared with the local regulatory agency (MDH) and will be maintained on file by EH&S.

If you have any questions regarding this information, please feel free to contact me. Thank you,

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