



Independent School District #197  
1897 Delaware Avenue  
Mendota Heights, MN 55118  
Attn: Mr. Mark Fenton

**RE: Short-Term Radon Monitoring**  
**SITE: Somerset Elementary**  
**DATE: November and December 2018**

Dear Mark Fenton,

Field Environmental Consulting, Inc. (FIELD ENVIRONMENTAL) appreciates the opportunity to provide results for short-term radon monitoring conducted at Somerset Elementary.

Radon levels are measured in picocuries per liter or pCi/L. The Environmental Protection Agency (EPA) and the Minnesota Department of Health (MDH) action level for indoor radon is 4.0 pCi/L.

Radon monitoring was conducted using AccuStar® PicoCan 275 short-term open face charcoal canisters (registered device #AC-6048).

Thirty-three (33) detectors were analyzed for radon concentration. The Lower Level Small Gym had a radon concentration at 4.3 pCi/L. This result is above the recommended action level. All other samples were below the action level of 4.0 pCi/L.

MDH recommended that follow-up sampling occur in the Lower Level Small Gym at Somerset Elementary using a continuous radon monitor (CRM). If CRM testing indicates levels to be  $\geq 4$ pCi/L during occupied periods, mitigation should be conducted following ANSI/AARST *Radon Mitigation Standards for Schools and Large Buildings* (ANSI/AARST RMS-LB). If CRM testing reveals levels to be less than the action level during occupied times, no additional testing or mitigation is required.

CRM testing revealed an average radon concentration of 1.7 pCi/L. Furthermore, all radon levels remained under 4.0 pCi/L throughout the testing period; including all occupied times. Therefore, per MDH guidance, no further testing is necessary at Somerset Elementary, Lower Level Small Gym.

**PREPARED and REVIEWED BY:**

**Field Environmental Consulting, Inc.**

Amy Weinzierl (CSP #27824)  
Environmental Health and Safety Manager  
amy@fieldconsultinginc.com  
952-746-5880

NRPP 105011 AL  
NRSB ARL0007

EPA Method #402-R-92-004  
Charcoal Canister  
NRPP Device Code 6048  
NRSB Device Code 10317

Laboratory Report for:

Property Tested:

Field Environmental Consulting, Inc.  
8612 Eagle Creek Parkway  
Savage MN 55378

19055 Somerset Elementary  
1355 Dodd Road  
Mendota Heights MN 55118

Log Number	Device Number	Test Exposure Duration:		Area Tested	Result (pCi/L)
3193075	3803150	11/05/2018 4:30 pm	11/08/2018 12:30 pm	Floor LL Room Small Gym Behind Shoe Rack	4.3
3193076	3803144	11/05/2018 4:30 pm	11/08/2018 12:30 pm	Floor LL Room 9 TV	2.7
3193077	3803143	11/05/2018 4:30 pm	11/08/2018 12:30 pm	Floor LL Room Music Cabinet Behind Desk	1.6
3193078	3803145	11/05/2018 4:30 pm	11/08/2018 12:30 pm	First Floor Room 13 Filing Cabinet	0.7
3193079	3803147	11/05/2018 4:30 pm	11/08/2018 12:30 pm	First Floor Room 1 Smart Board	1.4
3193080	3803141	11/05/2018 4:30 pm	11/08/2018 12:30 pm	First Floor Room 2 Smart Board	1.1
3193081	3803149	11/05/2018 4:30 pm	11/08/2018 12:30 pm	First Floor Room 14 Smart Board	1.1
3193082	3803148	11/05/2018 4:30 pm	11/08/2018 12:30 pm	First Floor Room 16 TV	1.3
3193083	3803058	11/05/2018 4:30 pm	11/08/2018 12:30 pm	First Floor Room 17 Sink	1.1
3193084	3803060	11/05/2018 4:30 pm	11/08/2018 12:30 pm	First Floor Room 15 Smart Board	0.8

**Comment:** Device 3803079 was listed but not received. A copy of this report was emailed to mailbox@fieldconsultinginc.com.  
missing during retrieval

Test Performed By: Amy Weinzierl

Distributed by: Field Environmental Consulting, Inc.

Date Received: 11/10/2018    Date Logged: 11/10/2018    Date Analyzed: 11/10/2018    Date Reported: 11/12/2018

Report Reviewed By: 

Report Approved By: 

**Disclaimer:**

The uncertainty of this radon measurement is +/- 10 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques and operation of the dwelling. Interference with test conditions may influence the test results.

This report may only be transferred to a third party in its entirety. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.

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Log Number	Device Number	Test Exposure Duration:		Area Tested	Result (pCi/L)
3193085	3803051	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room 103 Smart Board	2.9
3193086	3803054	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room 102 Smart Board	2.4
3193087	3803142	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room 101 TV	2.2
3193088	3803053	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room 104 Smart Board	1.8
3193089	3803055	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room 105 TV	1.6
3193090	3803057	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room Medic Center Librarians Desk	1.9
3193091	3803056	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room 106 Smart Board	1.5
3193092	3803052	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room 106D Behind Phone	1.7
3193093	3803078	11/05/2018 5:00 pm	11/08/2018 12:45 pm	Floor LL Room 106B TV	1.8
3193094	3803074	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor LL Room 108 Filing Cabinet	1.6

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Log Number	Device Number	Test Exposure Duration:		Area Tested	Result (pCi/L)
3193095	3803059	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room 203 Smart Board	1.4
3193096	3803073	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room 202 Smart Board	1.9
3193097	3803077	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room 201 Smart Board	2.3
3193098	3803080	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room Art TV	1.6
3193099	3803076	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room 204 Smart Board	1.8
3193100	3803072	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room 205 Smart Board	1.7
3193101	3803146	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room 206 Smart Board	1.6
3193102	3803186	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room 200E Desk	1.4
3193103	3803161	11/05/2018 5:45 pm	11/08/2018 1:00 pm	Floor UL Room 200C Filing Cabinet	0.9
3193104	3803067	11/05/2018 6:15 pm	11/08/2018 1:15 pm	Floor UL Room Staff Lounge Water Dispenser	1.5

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Log Number	Device Number	Test Exposure Duration:		Area Tested	Result (pCi/L)
3193105	3803065	11/05/2018 6:15 pm	11/08/2018 1:15 pm	Floor UL Room Gym SE Corner	2.5
3193106	3803187	11/05/2018 6:15 pm	11/08/2018 1:15 pm	Floor UL Room Office Reception Desk	0.9
3193107	3803071	11/05/2018 6:15 pm	11/08/2018 1:15 pm	Floor UL Room Nurses Office Desk	1.0

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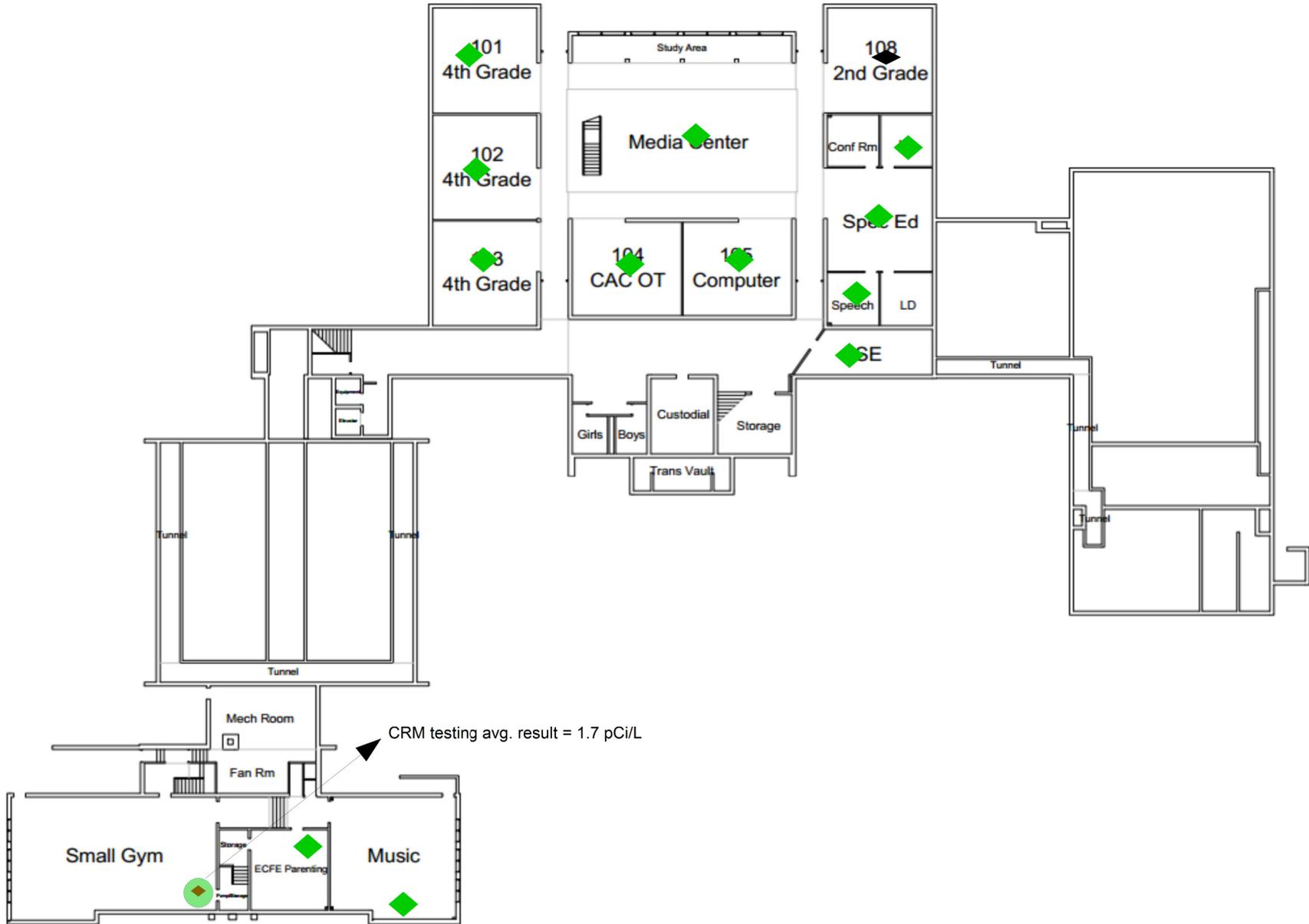
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Somerset Elementary School  
Lower Level  
Short-Term Radon Monitoring  
Project #19055



Short-Term Radon (November 2018)

- ◆ Radon < 4 pCi/L
- ◆ Radon ≥ 4 pCi/L
- ◆ Detector not found



Somerset Elementary School  
 Upper Level  
 Short-Term Radon Monitoring  
 Project #19055



Short-Term Radon (November 2018)

- ◆ Radon < 4 pCi/L
- ◆ Radon ≥ 4 pCi/L

