



March 26, 2019

ISD# 834  
1875 Greely Street South  
Stillwater, MN 55082  
Attn: Mr. Tony Willger

**RE: Radon Sampling**  
**Site: Lily Lake Elementary**

Field Environmental Consulting, Inc. (FIELD ENVIRONMENTAL) appreciates the opportunity to provide results for radon monitoring conducted at Lily Lake 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).

In January 2019, sixty-one (61) detectors were analyzed for radon concentration. One location, room 205, had a radon level of 4.1 pCi/L which is slightly above the action level of 4.0 pCi/L. All other spaces were below the action level.

MDH recommended that follow-up sampling occur for this room as a single test result should not be the basis for determining if a radon hazard exists or if corrective measures should be taken. Following protocols established by ANSI/AARST *Radon Mitigation Standards for Schools and Large Buildings*, an additional radon measurement for room 205 was found at 1.8 pCi/L. Therefore, per MDH & EPA guidance, no further testing or mitigation is required for room 205.

**PREPARED and REVIEWED BY:**

**Field Environmental Consulting, Inc.**

Amy Weinzierl (CSP #27824)  
EHS Manager / Licensed Radon Measurement Professional (RMEA-00111)  
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

19036 Lily Lake Elementary  
2003 W Willard St  
Stillwater MN 55082

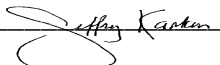
Log Number	Device Number	Test Exposure Duration:	Area Tested	Result pCi/L
3212298	3934091	01/22/2019 8:00 am 01/24/2019 5:00 pm	First Floor Room Nurse Cabinet	0.9
3212299	3934085	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 400 First Floor Café TV	0.6
3212300	3934086	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 400 First Floor Café Right Blue Cab	0.9
3212301	3934087	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 415 FF White Shelf Behind Pic	1.7
3212302	3934089	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 415 FF White Shelf Behind Pic	0.8
3212303	3934084	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 305 First Floor Top Shelf Left	0.6
3212304	3934083	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 300 First Floor Main Office Frog	0.6
3212305	3934082	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 302 First Floor Desk	0.8
3212306	3934081	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 301 First Floor Principal Jay Hawk	0.7
3212307	3933972	01/22/2019 8:00 am 01/24/2019 5:00 pm	Unit 115 First Floor TV Behind Projector	1.0
3212308	3933973	01/22/2019 8:15 am 01/24/2019 5:15 pm	Unit 113 First Floor	0.9


**Comment:** A copy of this report was emailed to mailbox@fieldconsultinginc.com.

Test Performed By: Parker Nordeen Certification Number: RMEA-00112

Distributed by: Field Environmental Consulting, Inc.

Date Received: 01/28/2019 Date Logged: 01/28/2019 Date Analyzed: 01/29/2019 Date Reported: 01/31/2019

Report Reviewed By: 

Report Approved By: 

Shawn Price, Director of Laboratory Operations, AccuStar Labs

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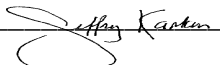
Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
3212309	3933947	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 115A First Floor Top Cab by Door	1.7
3212310	3933979	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 203 First Floor Cabinet Flag	1.4
3212311	3933978	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 202 First Floor Shelf Right	1.4
3212312	3933980	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 206 First Floor Smartboard Left	0.9
3212313	3933977	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 205 First Floor Smartboard Left	4.1
3212314	3933976	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 200 First Floor Back Corner File Cab	1.4
3212315	3933975	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 205 First Floor Smartboard Left	1.2
3212316	3933974	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 101N First Floor On Wall	1.3
3212317	3934094	01/22/2019 8:15 am	01/24/2019 5:15 pm	Unit 101S First Floor On Wall	1.5
3212318	3934090	01/22/2019 8:30 am	01/24/2019 5:30 pm	Unit 108 FF Stage Green Counter Right Side	0.9
3212319	3933971	01/22/2019 8:30 am	01/24/2019 12:00 am	Unit 108 First Floor Stage	< 0.4


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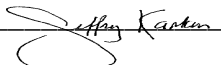
Log Number	Device Number	Test Exposure Duration:	Area Tested	Result pCi/L
3212320	3933962	01/22/2019 8:30 am 01/24/2019 5:30 pm	First Floor Room Gym Office Desk Left	1.0
3212321	3934093	01/22/2019 8:30 am 01/24/2019 5:30 pm	Unit 124 First Floor TV	1.2
3212322	3934092	01/22/2019 8:30 am 01/24/2019 5:30 pm	Unit 125 First Floor TV	1.2
3212323	3934059	01/22/2019 8:30 am 01/24/2019 5:30 pm	Unit 126 First Floor Smartboard Left	0.8
3212324	3933942	01/22/2019 8:30 am 01/24/2019 5:30 pm	Unit 126 First Floor Smartboard Left	1.2
3212325	3934026	01/22/2019 8:30 am 01/24/2019 5:30 pm	Unit 127 First Flr Smartboard Right Bottom	1.0
3212326	3933970	01/22/2019 8:30 am 01/24/2019 5:30 pm	Unit 128 First Flr Smartboard Right Bottom	1.4
3212327	3933951	01/22/2019 8:30 am 01/24/2019 5:30 pm	Unit 129 First Floor TV	0.7
3212328	3933991	01/22/2019 8:45 am 01/24/2019 5:45 pm	Unit 158 First Floor Room Comp	1.5
3212329	3934099	01/22/2019 8:45 am 01/24/2019 5:45 pm	Unit 130 First Floor Phone	1.3
3212330	3934098	01/22/2019 8:45 am 01/24/2019 5:45 pm	Unit 155 First Floor Room Comp	0.7


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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
3212331	3934025	01/22/2019 8:45 am	01/24/2019 5:45 pm	Unit 131 First Floor On Desk Left	0.4
3212332	3934097	01/22/2019 8:45 am	01/24/2019 5:45 pm	Unit 132 First Floor Behind Smartboard	0.9
3212333	3934100	01/22/2019 8:45 am	01/24/2019 5:45 pm	Unit 133 First Floor Smartboard Right	1.3
3212334	3934096	01/22/2019 8:45 am	01/24/2019 5:45 pm	Unit 134 First Floor Smartboard Left	1.3
3212335	3934027	01/22/2019 8:45 am	01/24/2019 5:45 pm	Unit 135 First Floor TV	0.6
3212336	3933969	01/22/2019 8:45 am	01/24/2019 5:45 pm	Unit 136 First Floor Top Green Left	1.4
3212337	3934095	01/22/2019 8:45 am	01/24/2019 5:45 pm	Unit 136A First Floor Cabinet Top Right	1.1
3212338	3933911	01/22/2019 9:00 am	01/24/2019 6:00 pm	Unit 136B First Floor Cabinet by Door	0.9
3212339	3933904	01/22/2019 9:00 am	01/24/2019 6:00 pm	Unit 136B First Floor Cabinet by Door	0.6
3212340	3934031	01/22/2019 9:00 am	01/24/2019 6:00 pm	Unit 137 First Floor Bottom Left Smartboard	0.9
3212341	3934088	01/22/2019 9:00 am	01/24/2019 6:00 pm	Unit 138 First Floor Smartboard	0.8

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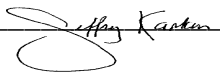
Log Number	Device Number	Test Exposure Duration:	Area Tested	Result pCi/L
3212342	3933932	01/22/2019 9:00 am 01/24/2019 6:00 pm	Unit 138 First Floor	< 0.4
3212343	3933968	01/22/2019 9:00 am 01/24/2019 6:00 pm	Unit 154 FF Behind File Cabinet	1.5
3212344	3933903	01/22/2019 9:00 am 01/24/2019 6:00 pm	Unit 154 FF Behind File Cabinet	1.0
3212345	3933936	01/22/2019 9:00 am 01/24/2019 6:00 pm	Unit 153 First Floor On Desk	1.1
3212346	3934030	01/22/2019 9:00 am 01/24/2019 6:00 pm	Unit 152 First Floor Phone	1.3
3212347	3933941	01/22/2019 9:00 am 01/24/2019 6:00 pm	Unit 151 First Floor Right Cab in Middle	0.7
3212348	3933940	01/22/2019 9:15 am 01/24/2019 6:15 pm	Unit 150 First Floor Left of Cabinet Middle	1.3
3212349	3933938	01/22/2019 9:15 am 01/24/2019 6:15 pm	Unit 141 First Floor Smartboard	2.9
3212350	3933939	01/22/2019 9:15 am 01/24/2019 6:15 pm	Unit 142 First Floor Smartboard	1.0
3212351	3933937	01/22/2019 9:15 am 01/24/2019 6:15 pm	Unit 143 First Floor Smartboard	0.4
3212352	3934028	01/22/2019 9:15 am 01/24/2019 6:15 pm	Unit 144 First Floor Smartboard	0.6

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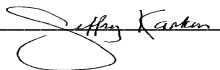
Log Number	Device Number	Test Exposure Duration:	Area Tested	Result pCi/L
3212353	3933913	01/22/2019 9:15 am - 01/24/2019 6:15 pm	Unit 145 First Floor Cabinet by Clock	1.1
3212354	3933923	01/22/2019 9:15 am - 01/24/2019 6:15 pm	Unit 146 First Floor On Desk	1.1
3212355	3933930	01/22/2019 9:15 am - 01/24/2019 6:15 pm	Unit 147 FF Cabinet by Clock	0.4
3212356	3933925	01/22/2019 9:15 am - 01/24/2019 6:15 pm	Unit 147 FF Cabinet by Clock	< 0.4
3212357	3933924	01/22/2019 9:15 am - 01/24/2019 6:15 pm	Unit 148 First Floor Cabinet by Door	1.2
3212358	3933921	01/22/2019 9:15 am - 01/24/2019 6:15 pm	Unit 113 First Floor Mailbox Right	1.0


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Laboratory Report for:

Property Tested: Project # 19036

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Lily Lake Resample  
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Stillwater MN 55082

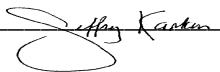
Log Number	Device Number	Test Exposure Duration:	Area Tested	Result pCi/L
3219415	3941693	02/18/2019 2:20 pm 02/21/2019 11:35 am	First Floor Room 205 Teacher Desk Lava Lamp	1.8

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Test Performed By: Amy Weinzierl Certification Number: RMEA-00111

Distributed by: Field Environmental Consulting, Inc.

Date Received: 02/26/2019 Date Logged: 02/26/2019 Date Analyzed: 02/26/2019 Date Reported: 02/27/2019

Report Reviewed By: 

Report Approved By: 

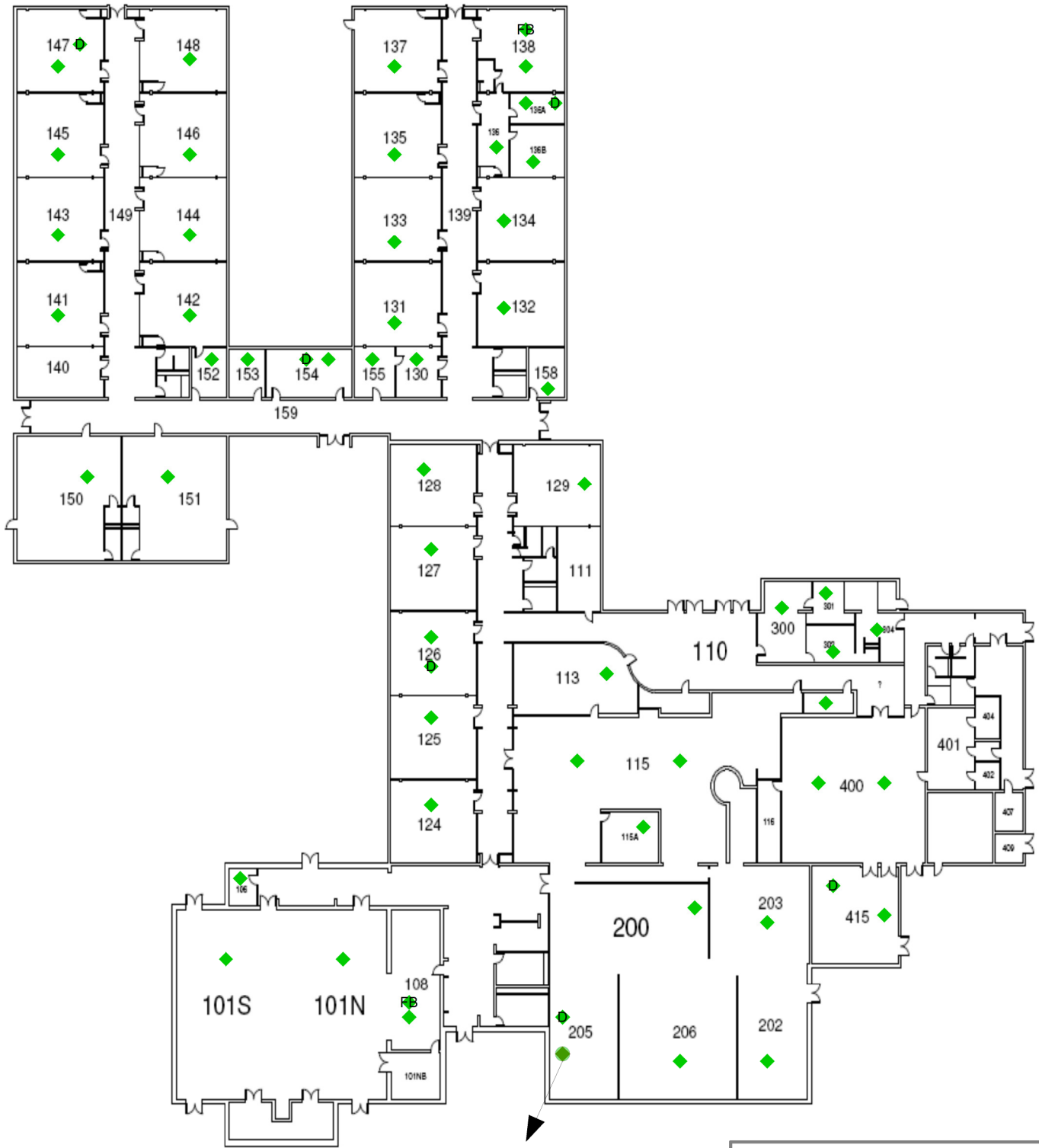
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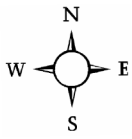




Average initial and follow-up = 3.0 pCi/L

**Short-Term Radon (January 2019)**

- ◆ Radon < 4 pCi/L
- ◆ Radon ≥ 4 pCi/L
- D** Duplicate Detector
- FB** Field Blank Detector



Lily Lake Elementary  
Short-Term Radon Monitoring  
Project #19036