

## COMMERCIAL RADON REPORT

Date: 4/6/2011

Page: 1 of 6

**School District:** Aurora Public Schools

Address: 1369 Airport Boulevard  
Aurora, Colorado 80011  
Attention: Environmental Compliance

Call/e-mail: (303)367-3000 ext. 28681

Canisters placed at **Elkhart Elementary School**, 1020 Eagle St., Aurora, CO 80011

Canister #	Location/Room#	Placement Date & Time(am)	Retrieval Date & Time(am)	Radon Level(PCi/L) +/- accur.(PCi/L)
58320	Rm 25	3/28/11 9:00	3/30/11 9:15	3.01 ± 0.21
58470	Rm 11	3/28/11 9:00	3/30/11 9:15	20.63 ± 0.31
58475	Rm 13	3/28/11 9:00	3/30/11 9:15	8.08 ± 0.29
58334	PE Office	3/28/11 9:00	3/30/11 9:15	3.07 ± 0.27
58348	Blank	3/30/11 9:15	3/30/11 9:15	0.32 ± 0.28

Since our laboratory does not place the canisters nor monitor the conditions and the time under which the canister is exposed, we are unable to guarantee the integrity of any part of the testing procedure except for that portion for which we are directly responsible; the handling and quality assurance procedures of the canisters up until the time they leave our lab and the accuracy (within statistically imposed limits) of the actual measuring process in our lab.

e-mail Date: 4/6/11 By: Thomas Brown

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RADON Measurements Lab, 1420 Austin Bluffs Parkway, UCCS Engineering Building Room 215,  
Colorado Springs, CO 80918 719-255-3584

### Product Analyzed by Radon Measurements Lab

University of Colorado, Colorado Springs  
1420 Austin Bluffs Parkway, Colorado Springs CO 80918  
(719) 255-3584

System daily calibration    Standard for system #1: 90957    Background for system #1: 2161    Standard for system #2: 85958    Background for system #2: 3191

Step 1: Enter the cannister number

58320

Step 2: Are you using system 1 or

#1  #2

Step 3: Enter all three dates and times below:

Start Date/Time  
09:00  
03/28/11

If the button below is lit red, you are reading canister to soon

Stop Date/Time  
09:15  
03/30/11



Read Date/Time  
14:30  
04/04/11

If the button below is lit red, the exposure time is too short



Step 4: Is this a diffusion barrier cannister?

No  Yes

Step 5: Is this a Gold Seal

No  Yes

Step 6: Please enter the rest of the data available:

Gross counts  
3205

Water gain in grams  
0.9

Step 7: The numbers below are to be entered or changed by Dr. Burkhardt only:

Calibration  
0.10

Manually calculated adjustment  
0

### Results of the measurements

Efficiency 1  
0.386

Efficiency 2  
0.360

Adjustment Factor  
0.993

The calibration factor  
0.096

Exposure Time in Minutes  
2895

The radon level (PCi/L)  
3.01

Accuracy, %  
7.02

Accuracy, PCi/L  
0.21

Name of Company: Elkhart Elementary School

Name of Addressee :

Comments? CR25

Report sent on: 10:08  
04/06/11

#### Address of test:

Street: 1020 Eagle Street

City: Aurora

State: CO

Zip: 80011

Report sent by: email  fax  mail

Initials: TJB

### Product Analyzed by Radon Measurements Lab

University of Colorado, Colorado Springs  
1420 Austin Bluffs Parkway, Colorado Springs CO 80918  
(719) 255-3584

System daily calibration    Standard for system #1     Background for system #1     Standard for system #2     Background for system #2

Step 1: Enter the cannister number

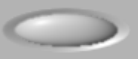
Step 2: Are you using system 1 or

#1  #2

Step 3: Enter all three dates and times below:

Start Date/Time

If the button below is lit red, you are reading canister to soon



Stop Date/Time

If the button below is lit red, the exposure time is too short



Read Date/Time

Step 4: Is this a diffusion barrier cannister?

No  Yes

Step 5: Is this a Gold Seal

No  Yes

Step 6: Please enter the rest of the data available:

Gross counts

Water gain in grams

Step 7: The numbers below are to be entered or changed by Dr. Burkhart only:

Calibration

Manually calculated adjustment

### Results of the measurements

Efficiency 1

Efficiency 2

Adjustment Factor

The calibration factor

Exposure Time in Minutes

The radon level (PCi/L)

Accuracy, %

Accuracy, PCi/L

Name of Company:

Name of Addressee:

Comments?

Report sent on:

#### Address of test:

Street

City

State

Zip

Report sent by: email  fax  mail

Initials

Jim\_4.vi  
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## Product Analyzed by Radon Measurements Lab

University of Colorado, Colorado Springs  
1420 Austin Bluffs Parkway, Colorado Springs CO 80918  
(719) 255-3584

**System daily calibration**

Standard for system #1: 89436      Background for system #1: 2182      Standard for system #2: 86675      Background for system #2: 3019

**Step 1: Enter the cannister number**

58475

**Step 2: Are you using system 1 or**

#1  #2

**Step 3: Enter all three dates and times below:**

Start Date/Time: 09:00 03/28/11  
Stop Date/Time: 09:15 03/30/11  
Read Date/Time: 14:33 04/05/11

If the button below is lit red, you are reading canister too soon

If the button below is lit red, the exposure time is too short

**Step 4: Is this a diffusion barrier cannister?**

No  Yes

**Step 5: Is this a Gold Seal**

No  Yes

**Step 6: Please enter the rest of the data available:**

Gross counts: 4463      Water gain in grams: 1

**Step 7: The numbers below are to be entered or changed by Dr. Burkhardt only:**

Calibration: 0.10      Manually calculated adjustment: 0

**Results of the measurements**

Efficiency 1: 0.379      Efficiency 2: 0.364

Adjustment Factor: 0.990

The calibration factor: 0.095

Exposure Time in Minutes: 2895

The radon level (PCi/L): 8.08      Accuracy, %: 3.57

Accuracy, PCi/L: 0.29

**Name of Company:** Elkhart Elementary School

**Name of Addressee:**

**Comments?:** CR13

**Report sent on:** 10:08 04/06/11

**Address of test:**

**Street:** 1020 Eagle Street

**City:** Aurora

**State:** CO

**Zip:** 80011

**Report sent by:** email  fax  mail       **Initials:** TJB

### Product Analyzed by Radon Measurements Lab

University of Colorado, Colorado Springs  
1420 Austin Bluffs Parkway, Colorado Springs CO 80918  
(719) 255-3584

System daily calibration    Standard for system #1: 90957    Background for system #1: 2161    Standard for system #2: 85958    Background for system #2: 3191

Step 1: Enter the cannister number

58334

Step 2: Are you using system 1 or

#1  #2

Step 3: Enter all three dates and times below:

Start Date/Time  
09:00  
03/28/11

If the button below is lit red, you are reading canister to soon

Stop Date/Time  
09:15  
03/30/11



Read Date/Time  
14:30  
04/04/11

If the button below is lit red, the exposure time is too short



Step 4: Is this a diffusion barrier cannister?

No  Yes

Step 5: Is this a Gold Seal

No  Yes

Step 6: Please enter the rest of the data available:

Gross counts  
4177

Water gain in grams  
1

Step 7: The numbers below are to be entered or changed by Dr. Burkhardt only:

Calibration  
0.10

Manually calculated adjustment  
0

### Results of the measurements

Efficiency 1: 0.386    Efficiency 2: 0.360

Adjustment Factor  
0.990

The calibration factor  
0.095

Exposure Time in Minutes  
2895

The radon level (PCi/L): 3.07    Accuracy, %: 8.71

Accuracy, PCi/L  
0.27

Name of Company: Elkhart Elementary School

Name of Addressee:

Comments? PE Office

Report sent on: 10:08 04/06/11

Report sent by: email  fax  mail

Initials: TJB

#### Address of test:

Street: 1020 Eagle Street

City: Aurora

State: CO

Zip: 80011

### Product Analyzed by Radon Measurements Lab

University of Colorado, Colorado Springs  
1420 Austin Bluffs Parkway, Colorado Springs CO 80918  
(719) 255-3584

System daily calibration    Standard for system #1: 89436    Background for system #1: 2182    Standard for system #2: 86675    Background for system #2: 3019

Step 1: Enter the cannister number

58348

Step 2: Are you using system 1 or

#1  #2

Step 3: Enter all three dates and times below:

Start Date/Time  
09:00  
03/28/11

If the button below is lit red, you are reading canister to soon

Stop Date/Time  
09:15  
03/30/11



Read Date/Time  
14:26  
04/05/11

If the button below is lit red, the exposure time is too short



Step 4: Is this a diffusion barrier cannister?

No  Yes

Step 5: Is this a Gold Seal

No  Yes

Step 6: Please enter the rest of the data available:

Gross counts  
3108

Water gain in grams  
0.4

Step 7: The numbers below are to be entered or changed by Dr. Burkhardt only:

Calibration  
0.10

Manually calculated adjustment  
0

### Results of the measurements

Efficiency 1: 0.379    Efficiency 2: 0.364

Adjustment Factor  
0.993

The calibration factor  
0.098

Exposure Time in Minutes  
2895

The radon level (PCi/L): 0.32    Accuracy, %: 87.9

Accuracy, PCi/L  
0.28

Name of Company: Elkhart Elementary School

Name of Addressee:

Comments? Blank

Report sent on: 10:08  
04/06/11

Report sent by: email  fax  mail

Initials: TJB

#### Address of test:

Street: 1020 Eagle Street

City: Aurora

State: CO

Zip: 80011