

June 9, 2016

Mr. Lance R. Mitchell Ann Arbor Housing Commission 727 Miller Avenue Ann Arbor, Michigan 48103

Re: Radon Testing – Green Baxter Court

1725-1735 Green Road Ann Arbor, Michigan ECS Project A108-0002

Dear Mr. Mitchell,

Environmental Consulting Solutions, LLC (ECS) has completed the Radon Testing for the referenced property in Ann Arbor, Michigan.

ECS contracted Compliance, Inc. to perform the testing. The Radon Testing was performed May 20 through May 23, 2016 by an NSRB certified Radon Measurement Specialist in general accordance with Michigan State Housing Development Authority (MSHDA) guidelines. A total of eight radon samplers were placed in the six individual units (1725, 1727, 1729, 1731, 1733 and 1735).

The results of the Radon Testing indicated that radon was not detected in any of the units at levels exceeding the U.S. EPA Recommended Action Level. Please refer to the attached Compliance, Inc. report for details.

Thank you for the opportunity to provide this service to you. If you have any questions, please contact us at 248-763-3639.

Sincerely,

**ENVIRONMENTAL CONSULTING SOLUTIONS, LLC** 

Andrew J. Foerg, CPG

ah T. Forg

President

**Enclosure** 



June 7, 2016

Mr. Andrew Foerg, CPG Environmental Consulting Solutions, LLC. 523 W. Sunny Brook Dr. Royal Oak, MI 48073

**Subject:** Radon Sampling Multi Family Unit Test Results

Green Baxter Court Duplexes 1725-1735 Green Rd.

Ann Arbor, MI

### **Introduction**

This report documents the results of the radon gas assessment conducted by Compliance, Inc. over the period of May 20 through 23, 2016 at the Green Baxter Court Duplexes. The assessment was conducted in accordance with the MSHDA Environmental Review Requirements. This assessment was designed to determine if radon gas in the subsurface is migrating into residential units at concentrations exceeding action levels. The identified areas of concern were each individual Duplex.

### **Radon Sampling Results**

A total of eight radon samplers were placed in six individual units (1725, 1727, 1729, 1731, 1733 and 1735) at Green Baxter Court Duplexes on May 20, 2016. The activated carbon samplers are short term tests and were run for approximately 96 hours. After 96 hours the tests were retrieved on May 23, 2016 and shipped over night to the selected laboratory, Air Chek, Inc., of Mills River, North Carolina. The results for the radon sampling are presented in the table in Attachment 1. The laboratory test reports for the radon samples are included in Attachment 2.

As seen in the attachments, the radon levels reported in all eight samples were <0.3 pCi/l (the laboratory detection level) through 2.2 pCi/l. All eight samples were below the U.S. EPA's recommended action level for radon of 4.0 pCi/l. It is noted that the duplexes tested are new construction and radon resistant measures were implemented during construction.

### **Conclusion**

Radon was not detected at levels above U.S. EPA's recommended action level for radon mitigation (4 pCi/l) in any of the areas tested at Green Baxter Court Duplexes. In addition, radon results are below MSHDA Environmental Review Requirements which refers to the EPA action level of 4.0 pCi/l.

The sampling work was performed or overseen by a National Radon Safety Board (NRSB) certified Radon Measurement Specialist, Mark R. Peterson Certification Number NRSB 13SS020. A copy of the Radon Measurement Specialist and Air Chek, Inc. laboratory certificates is included in Attachment 3.

Should you have any questions concerning this report or any other aspect of this project, please do not hesitate to contact me at (810) 225-8674.

Sincerely,

COMPLIANCE, INC.

Mark R. Peterson, CPG NRSB Certification #13SS020 NRSB Certification #9G0008 ARRST Certification #102675RMT

Attachments

# **Attachment 1**

Analytical Results Table

### Green Baxter Court 1725-1735 Green Road Ann Arbor, Michigan

Sample				<u> </u>			Analytical Result
Number	Kit Number	Sample Location	Start Date	Start Time	End Date	End Time	(pCi/L)
	744540	4705 Occurs Book	F/00/40	0.00 414	E/00/40	0.00.414	
1	711510	1725 Green Road	5/20/16	9:00 AM	5/23/16	8:30 AM	2.1
2	711511	1725 Green Road (Duplicate)	5/20/16	9:00 AM	5/23/16	8:30 AM	2.2
3	711512	1727 Green Road	5/20/16	9:40 AM	5/23/16	8:30 AM	<0.3
	711312	1727 Great Road	3/20/10	3.40 AW	3/23/10	0.30 AW	<b>VU.</b> 3
4	711513	1729 Green Road	5/20/16	9:25 AM	5/23/16	8:48 AM	<0.3
5	711514	1731 Green Road	5/20/16	9:10 AM	5/23/16	9:20 AM	<0.3
6	711515	1733 Green Road	5/20/16	9:10 AM	5/23/16	8:30 AM	<0.3
7	711516	1735 Green Road	5/20/16	9:20 AM	5/23/16	9:20 AM	0.9
8	711517	Field Blank	5/20/16	9:20 AM	5/23/16	9:20 AM	<0.3

# **Attachment 2**

Laboratory Reports

Radon Test Result: 2.1 ±0.2 pCi/L

Test Started 05/19/16 at 9:00 am
Test Ended 05/23/16 at 9:00 am
Closed house conditions maintained during test.



Air Chek, Inc. PO Box 2000 Naples, NC 28760

www.radon.com

### INTERPRETING YOUR TEST RESULT

This radon test was provided to you by COMPLIANCE, INC / 810-225-8674. The US EPA action level for indoor radon is 4.0 pCi/L. The EPA recommendation for results in this range (2.0 to 3.9 pCi/L) is to conduct further tests to determine the true annual average, ideally with a long-term test kit. If the result remains between 2 and 4 there is little short-term risk, but you should consider fixing your home. Additionally, if you make any structural changes or start to use a lower level of the building more frequently, you should test again.

You may be able to obtain additional information about radon related subjects by calling your **state radon officer at 800-723-6642**. Or call the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

### **Your Test Result**

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

### **Health Risks**

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be  $\sim 0.4$  pCi/L.

### Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term 'worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Radon Test Result: 2.2 ±0.2 pCi/L

Test Started 05/19/16 at 9:00 am
Test Ended 05/23/16 at 9:00 am
Closed house conditions maintained during test.

**Location 1st Floor** 

### INTERPRETING YOUR TEST RESULT

This radon test was provided to you by COMPLIANCE, INC / 810-225-8674. The US EPA action level for indoor radon is 4.0 pCi/L. The EPA recommendation for results in this range (2.0 to 3.9 pCi/L) is to conduct further tests to determine the true annual average, ideally with a long-term test kit. If the result remains between 2 and 4 there is little short-term risk, but you should consider fixing your home. Additionally, if you make any structural changes or start to use a lower level of the building more frequently, you should test again.

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Air Chek, Inc. PO Box 2000 Naples, NC 28760

www.radon.com

### **Your Test Result**

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(Continued on Back)

Radon Test Result:  $< 0.3 \pm 0.2 \text{ pCi/L}$ 

Test Started 05/19/16 at 9:00 am
Test Ended 05/23/16 at 9:00 am
Closed house conditions maintained during test.

**Location 1st Floor** 

Air Chek, Inc.

Air Chek, Inc.
PO Box 2000
Naples, NC 28760

www.radon.com

### INTERPRETING YOUR TEST RESULT

This radon test was provided to you by COMPLIANCE, INC / 810-225-8674. The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range(0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.

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### **Your Test Result**

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(Continued on Back)

Radon Test Result:  $< 0.3 \pm 0.2 \text{ pCi/L}$ 

Test Started 05/19/16 at 9:00 am
Test Ended 05/23/16 at 9:00 am
Closed house conditions maintained during test.

**Location 1st Floor** 



Air Chek, Inc. PO Box 2000 Naples, NC 28760

www.radon.com

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(Continued on Back)

Radon Test Result:  $< 0.3 \pm 0.2 \text{ pCi/L}$ 

Test Started 05/19/16 at 10:00 am
Test Ended 05/23/16 at 9:00 am
Closed house conditions maintained during test.

**Location 1st Floor** 



Air Chek, Inc. PO Box 2000 Naples, NC 28760

www.radon.com

### INTERPRETING YOUR TEST RESULT

This radon test was provided to you by COMPLIANCE, INC / 810-225-8674. The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range(0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.

You may be able to obtain additional information about radon related subjects by calling your **state radon officer at 800-723-6642**. Or call the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

### **Your Test Result**

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

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The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

### Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term 'worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Radon Test Result:  $< 0.3 \pm 0.2 \text{ pCi/L}$ 

Test Started 05/19/16 at 9:00 am
Test Ended 05/23/16 at 9:00 am
Closed house conditions maintained during test.

**Location Basement** 



Air Chek, Inc. PO Box 2000 Naples, NC 28760

www.radon.com

### INTERPRETING YOUR TEST RESULT

This radon test was provided to you by COMPLIANCE, INC / 810-225-8674. The US EPA and the data recorded properly on the test packet, action level for indoor radon is 4.0 pCi/L. Test results in this range(0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.

You may be able to obtain additional information about radon related subjects by calling your **state radon officer at 800-723-6642**. Or call the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

### **Your Test Result**

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### Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term 'worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Radon Test Result: 0.9 ±0.2 pCi/L

Test Started 05/19/16 at 9:00 am Test Ended 05/23/16 at 9:00 am Closed house conditions maintained during test.

**Location 1st Floor** 



Air Chek, Inc. PO Box 2000 **Naples, NC 28760** 

www.radon.com

յլիվերժվիրդյեսվերոցվարվեսեցիցներիիկեսկոլիբայիկ **TEST RESULTS** 1735 GREEN RD ANN ARBOR, MI 48105-2560

### INTERPRETING YOUR TEST RESULT

This radon test was provided to you by COMPLIANCE, INC / 810-225-8674. The US EPA and the data recorded properly on the test packet, action level for indoor radon is 4.0 pCi/L. The EPA indicates that there is little short-term risk with test results in this range (0.6 to 1.9 pCi/L). However, because radon levels fluctuate daily, as well as seasonally, you may want to retest during another season. Additionally, if you make any structural changes or start to use a lower level of the building more frequently, you should test again.

You may be able to obtain additional information about radon related subjects by calling your state radon officer at 800-723-6642. Or call the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

### **Your Test Result**

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### **Conducting Follow-up** Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term 'worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

Radon Test Result:  $< 0.3 \pm 0.2 \text{ pCi/L}$ 

Test Started 05/20/16 at 9:00 am Test Ended 05/23/16 at 9:00 am Closed house conditions not indicated by user.



Air Chek, Inc. PO Box 2000 Naples, NC 28760

www.radon.com

### **Your Test Result**

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

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### Conducting Follow-up Measurements

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

(Continued on Back)

INTERPRETING YOUR TEST RESULT

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You may be able to obtain additional information about radon related subjects by calling the "Radon Fix-It Line" at 800-644-6999 Monday thru Friday between NOON and 8 pm EST.

### **Conducting Follow-up Measurements**

The higher your initial (screening) tests, the sooner you should conduct follow-up measurements. The EPA states that you should retest the same location that was tested initially.

For additional or follow-up testing, make sure at least one test is conducted in the lowest lived-in level of the home. Also choose regularly used rooms, such as family rooms, dens, playrooms, or bedrooms. A bedroom on the lower level may be a good choice, because people generally spend the most time in their bedrooms (approximately one-third of the year). If there are children, it may be appropriate to test their rooms or other areas where they spend a lot of time, especially at the lower levels. All short-term follow-up tests must be conducted under closed-building conditions. If closed-building conditions cannot be maintained, a long-term measurement conducted under normal living conditions could be used to help estimate average annual exposures.

Tests **should not be conducted** in a kitchen or a bathroom because high humidity, exhaust fans, and other factors can adversely affect the test results. Tests **should not be conducted** in storage areas or laundry rooms, because relatively little time is spent there. Although radon in water may be a contributor to the concentration of airborne radon, radon in air should be **confirmed** before a test for radon in water is performed.

It is recommended that before spending any time or money on radon mitigation, one should conduct multiple (two or more) tests to be certain there is a need. A few more tests will most certainly cost considerably less than any mitigation work.

If follow-up measurements have **confirmed** that the average annual level of radon is equal to or greater than 4 pCi/L, the USEPA recommends that the building or home be mitigated for radon. Consider also that a future buyer is likely to demand that the building pass a radon test before purchasing.

# Variations in Radon Levels - What can affect your test results and why it may be important to conduct confirmation tests.

When tests are performed in different seasons or under different weather conditions, the initial screening and follow-up tests may vary considerably. Radon levels can vary significantly between seasons, so different results **are often expected**. Even during normal weather, indoor radon levels may rise and fall by a factor of two on a daily cycle; for example, from 5 pCi/L to 10 pCi/L in 24 hours. During rapidly changing or stormy weather, the levels may change more dramatically.

If you are comparing tests, or are averaging a series of tests, bear in mind that any radon test returns only the average of the levels present during a **specific period of time** at the **precise location** of the test. Conditions during a different test period or at a different location in the building are **expected to be different**.

Test results can also vary if the radon test instructions were not carefully followed. A laboratory measuring radon in samples taken outside the lab **must rely on the person conducting the test**. For example, the wrong starting or ending date of a test will significantly affect the calculated result. The location of each radon test can also influence the result. For example, a test placed in the blowing air stream of a fan is likely to collect more radon than it would under normal conditions. Also, three tests conducted in one home, but in three different rooms, **would be expected to have at least slightly different test results.** 

Test results from a properly used activated charcoal test will more closely reflect the average radon concentrations over the last three to four days of the test period. This happens because the radon collected by the activated charcoal has a radioactive half-life of only four days. This means, for example, over one-half of the radon collected during the first three days of a seven day test 'died' before the test ended.

If you have further questions regarding this test or need advice on follow-up testing, call fax or email our technical service department listed below.

Thank you for choosing the Air Chek test device

### PERFORMING RADON TESTS FOR A REAL ESTATE TRANSACTION

**EPA** guidelines recommend that at least two short-term tests should be conducted, either together or sequentially, in the lowest level of the building usable by the buyers. If the average of all the tests is 4 pCi/L or more, the recommendation is to have the building mitigated by a certified professional. If the average is below 4 pCi/L, then no further action is necessary at this time, although testing in the future is recommended. It is **highly recommended** that any property transaction tests be conducted by a certified radon professional. To locate a listed or certified radon tester, contact your state radon office (<a href="www.nrpp.info">www.nrpp.info</a> to download a list of professionals certified by the National Radon Proficiency Program (NRPP).

Also visit www.epa.gov/radon to download the latest copy of their publication: Home Buyer's and Seller's Guide to Radon.

Limitation of Liability: While we at Air Chek, Inc. make every effort to maintain the highest possible quality control and include several checks and verification steps in our procedures, we make NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS with respect to any item furnished, information supplied or services rendered you by Air Chek, Inc. Before any action is taken on the basis of test results given to you by Air Chek, Inc. we recommend that further testing be done. Neither Air Chek, Inc., nor any of our employees or agents, shall be liable under any claim, charge, or demand, whether in contract, tort or otherwise, for any and all losses, costs, charges, claims, demands, fees, expenses, injuries or damages (including without limitation INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH ARE EXCLUDED) of any nature or kind arising out of, connected with, resulting from, or sustained as a result of any item furnished, information supplied, or service rendered to you by Air Chek, Inc.

Notice to Pennsylvania Residents: The Radon Certification Act requires that anyone who provides any radon-related service or product to the general public must be certified by the Pennsylvania Department of Environmental Protection. You are entitled to evidence of certification from any person who provides such services or products. You are also entitled to a price list for services or products offered. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential. If you have any questions, comments, or complaints concerning persons who provide radon-related services, please contact the Department of Environmental Protection, P.O. Box 8469, Harrisburg, PA 17105-8469 (717-783-4594).

The radon test kit(s) used for this report is certified by the National Radon Proficiency Program (NRPP), Lab ID: 101138AL, for use in all fifty states. It is also listed or certified for use in all states that have a radon program.

### **Conducting Follow-up Measurements**

The higher your initial (screening) tests, the sooner you should conduct follow-up measurements. The EPA states that you should retest the same location that was tested initially.

For additional or follow-up testing, make sure at least one test is conducted in the lowest lived-in level of the home. Also choose regularly used rooms, such as family rooms, dens, playrooms, or bedrooms. A bedroom on the lower level may be a good choice, because people generally spend the most time in their bedrooms (approximately one-third of the year). If there are children, it may be appropriate to test their rooms or other areas where they spend a lot of time, especially at the lower levels. All short-term follow-up tests must be conducted under closed-building conditions. If closed-building conditions cannot be maintained, a long-term measurement conducted under normal living conditions could be used to help estimate average annual exposures.

Tests **should not be conducted** in a kitchen or a bathroom because high humidity, exhaust fans, and other factors can adversely affect the test results. Tests **should not be conducted** in storage areas or laundry rooms, because relatively little time is spent there. Although radon in water may be a contributor to the concentration of airborne radon, radon in air should be **confirmed** before a test for radon in water is performed.

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Also visit www.epa.gov/radon to download the latest copy of their publication: Home Buyer's and Seller's Guide to Radon.

Limitation of Liability: While we at Air Chek, Inc. make every effort to maintain the highest possible quality control and include several checks and verification steps in our procedures, we make NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS with respect to any item furnished, information supplied or services rendered you by Air Chek, Inc. Before any action is taken on the basis of test results given to you by Air Chek, Inc. we recommend that further testing be done. Neither Air Chek, Inc., nor any of our employees or agents, shall be liable under any claim, charge, or demand, whether in contract, tort or otherwise, for any and all losses, costs, charges, claims, demands, fees, expenses, injuries or damages (including without limitation INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH ARE EXCLUDED) of any nature or kind arising out of, connected with, resulting from, or sustained as a result of any item furnished, information supplied, or service rendered to you by Air Chek, Inc.

Notice to Pennsylvania Residents: The Radon Certification Act requires that anyone who provides any radon-related service or product to the general public must be certified by the Pennsylvania Department of Environmental Protection. You are entitled to evidence of certification from any person who provides such services or products. You are also entitled to a price list for services or products offered. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential. If you have any questions, comments, or complaints concerning persons who provide radon-related services, please contact the Department of Environmental Protection, P.O. Box 8469, Harrisburg, PA 17105-8469 (717-783-4594).

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# **Attachment 3**

Certifications

### National Radon Proficiency Program



2/4/2016

Mark R. Peterson Compliance Inc 802 E Grand River Ave Ste 301 Brighton, MI 48116-1871

Residential Measurement Provider

NRPP Certification Number: 107752 RT

NRPP Expiration Date: 02/28/2018

Your NRPP identification card is enclosed. Your certification will expire on the date indicated above. Information regarding the National Radon Program may be obtained by visiting our web site located at nrpp.info.

Comments:

**National Radon Proficiency Program** 



Mark R. Peterson
Residential Measurement Provider

To confirm validity of this certification call (800) 269-4174. Verification of adherence to state and local regulations is advised. See reverse for specific certification designations.

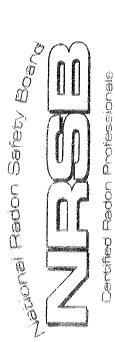
Best regards,

Janna M. Sinclair, Credentialing Coordinator,

NRPP Non-Photo ID

NRPP Administrative Office ~ P.O. Box 2109 ~ Fletcher, NC 28732 (800) 269-4174 fax: (828) 214-6299 ~ e-mail: info@nrpp.info ~ http://nrpp.info

# The National Radon Safety Board



Certifies that

# Mark R. Peterson

has successfully met the established and published requirements for Certification by The National Radon Safety Board as a

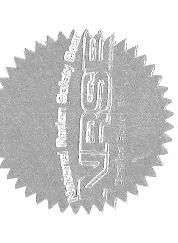


NRSB 9G0008

Certification Number

9/30/2017

Expiration Date



Hillh Hundelich Executive Secretary

This certificate is the property of The National Radon Safety Board and is not official without the raised seal.



### CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 1/26/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the

certificate noider in fieu	or such e	ndorsement(s).					
PRODUCER			CONTACT certs@pciaonline.com				
Professional Conce	pts Ins	surance Agency, Inc.	PHONE (A/C, No, Ext): (800)969-4041	969-4081			
1127 South Old US	Highway	23	E-MAIL ADDRESS: certs@pciaonline.com				
			INSURER(S) AFFORDING COVERA	AGE	NAIC #		
Brighton	MI	48114-9861	INSURER A:Admiral Insurance Compa	any			
INSURED			INSURER B:Sentinel Insurance Comp	pany	11000		
Compliance, Inc.			INSURER C: Hartford Accident & Inc	demnity	22357		
223 Lake Ave			INSURER D :				
			INSURER E :				
Traverse City	MI	49684-2532	INSURER F:				
COVERAGES	•	CERTIFICATE NUMBER:16-17ALL	REVISION	NUMBER:	•		

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ISR TYPE OF INSURANCE		ADDL	SUBR		POLICY EFF (MM/DD/YYYY)	POLICY EXP			
	х	COMMERCIAL GENERAL LIABILITY	III	WVD		(,22,1111)	(11111)		\$	1,000,000
A		CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	50,000
	х	Contractural Liability			FEIECC1258203	1/31/2016	1/31/2017	MED EXP (Any one person)	\$	5,000
								PERSONAL & ADV INJURY	\$	1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$	2,000,000
	х	POLICY PRO- JECT LOC						PRODUCTS - COMP/OP AGG	\$	2,000,000
		OTHER:							\$	
	B AUTOMOBILE LIABILITY  X ANY AUTO ALL OWNED SCHEDULED AUTOS AUTOS AUTOS							COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000
В								BODILY INJURY (Per person)	\$	
-					35UEGVE8160	1/31/2016	1/31/2017	BODILY INJURY (Per accident)	\$	
	X HIRED AUTOS X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	\$		
								Uninsured motorist combined	\$	1,000,000
	Х	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	\$	2,000,000
A		EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$	2,000,000
		DED X RETENTION\$ 0			FEIEXS1258303	1/31/2016	1/31/2017		\$	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY							X PER OTH- STATUTE ER		
	AND EMPLOYERS LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A					E.L. EACH ACCIDENT	\$	1,000,000
C					35WEGBK0122	1/31/2016	1/31/2017	E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
								E.L. DISEASE - POLICY LIMIT	\$	1,000,000
A	A Professional Liability				FEIECC1258203	1/31/2016	1/31/2017	Each Claim		1,000,000
	Pollution Liability							Aggregate		3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER	CANCELLATION					
FOR INFORMATION ONLY	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.					
	AUTHORIZED REPRESENTATIVE					
	Mike Cosgrove/CARRIE Michael Cosgrove					

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### National Radon Proficiency Program



2/4/2016

Mark R. Peterson Compliance Inc 802 E Grand River Ave Ste 301 Brighton, MI 48116-1871

Residential Mitigation Provider

NRPP Certification Number: 102675 RMT

NRPP Expiration Date: 02/28/2018

Your NRPP identification card is enclosed. Your certification will expire on the date indicated above. Information regarding the National Radon Program may be obtained by visiting our web site located at nrpp.info.

**National Radon Proficiency Program** 

Comments:



Mark R. Peterson

Residential Mitigation Provider

ID Number: 102675 RMT Expiration 02/28/2018

To confirm validity of this certification call (800) 269-4174. Verification of adherence to state and local regulations is advised. See reverse for specific certification designations.

Best regards,

Janna M. Sinclair, Credentialing Coordinator,

NRPP Non-Photo ID

NRPP Administrative Office ~ P.O. Box 2109 ~ Fletcher, NC 28732 (800) 269-4174 fax: (828) 214-6299 ~ e-mail: info@nrpp.info ~ http://nrpp.info



B. V. Alvarez

Air Chek, Inc.

Has satisfactorily fulfilled the requirements set forth by the National Radon Proficiency Program and is therefore certified as a:

Analytical Laboratory

NRPP ID 101138 AL Expires 05/31/2017

Valid for specific activities or measurement devices, which can be verified with NRPP.

State and local agencies may have additional requirements.

In witness Whereof, I have subscribed my name as a Representative of NRPP

Janna M. Sinclair NRPP Credentialing Coordinator