

Alpha Energy Laboratories

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RADON TEST REPORT

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NEHA ID#: 101132 AL

State ID#:

NJ MEB: MEB90095

Project:

Dear Consumer:

You have taken an important step to find the radon level in the home.

HERE ARE YOUR RADON TEST RESULTS:

LAB ID# KIT ID#	RADON LEVEL pCi/L	TEST LOCATION	TEST PARAMETERS	TEST METHOD EPA-402-R-92-004
			Start/Stop Date Time	
995142 AE286594	<0.5	Test Room Location - Dining Room Test Floor - 1st Floor	Short Term 1/8/2011 to 1/10/2011 10:00 to 10:00	Activated Charcoal

Use the chart below to compare your radon test results with the EPA guideline. The higher a home's radon level, the greater the health risk to you and your family.

Radon Level (pCi/L)	Description
0.4	Average outdoor radon concentration
1.3	Average indoor radon concentration
4.0	EPA RECOMMENDED ACTION GUIDELINE

RADON HEALTH RISK INFORMATION

Radon is the second leading cause of lung cancer, after smoking. The US Environmental Protection Agency (EPA) and the Surgeon General strongly recommend taking further action when the home's radon test results are 4.0 pCi/L or greater. The concentration of radon in the home is measured in picocuries per liter of air (pCi/L). Radon levels less than 4.0 pCi/L still pose some risk and in many cases may be reduced. If the radon level in your home is between 2.0 and 4.0 pCi/L, the EPA recommends that you consider correcting the problem in your home. The indoor radon level national average is about 1.3 pCi/L. The more elevated a home's radon level, the greater the health risk to you and your family. Smokers and former smokers are at especially high risk. There are straightforward ways to correct a home's radon problem that are not too costly. Even homes with very high levels can be reduced to below 4.0 pCi/L. The EPA recommends that you use an EPA or state-approved contractor to correct radon problems.

QAQC- Alpha Energy Test kits have an estimated accuracy level of $\pm 5\%$.

Confidentiality: The information contained in this report is confidential. If you received this report in error, please return it to the address above.

Alpha Energy Laboratories is responsible solely for the analysis of samples returned to us. We do not provide sampling services and are not responsible for erroneous radon concentrations resulting from incorrect sampling procedures.

Measurement Specialist /
Laboratory Director

Date 1/17/2011

Radon Risk If You Smoke

RADON LEVEL	IF 1,000 PEOPLE WHO SMOKED WERE EXPOSED TO THIS LEVEL OVER A LIFETIME*...	THE RISK OF CANCER FROM RADON EXPOSURE COMPARES TO** ...	WHAT TO DO: STOP SMOKING AND...
20 pCi/L	About 260 people could get lung cancer	250 times the risk of drowning	Fix your home
10 pCi/L	About 150 people could get lung cancer	200 times the risk of dying in a home fire	Fix your home
8 pCi/L	About 120 people could get lung cancer	30 times the risk of dying in a fall	Fix your home
4 pCi/L	About 62 people could get lung cancer	5 times the risk of dying in a car crash	Fix your home
2 pCi/L	About 32 people could get lung cancer	6 times the risk of dying from poison	Consider fixing between 2 and 4 pCi/L
1.3 pCi/L	About 20 people could get lung cancer	(Average indoor radon level)	(Reducing radon levels below 2 pCi/L is difficult.)
0.4 pCi/L	About 3 people could get lung cancer	(Average outdoor radon level)	

Radon Risk If You've Never Smoked

RADON LEVEL	IF 1,000 PEOPLE WHO NEVER SMOKED WERE EXPOSED TO THIS LEVEL OVER A LIFETIME*...	THE RISK OF CANCER FROM RADON EXPOSURE COMPARES TO** ...	WHAT TO DO: STOP SMOKING AND...
20 pCi/L	About 36 people could get lung cancer	35 times the risk of drowning	Fix your home
10 pCi/L	About 18 people could get lung cancer	20 times the risk of dying in a home fire	Fix your home
8 pCi/L	About 15 people could get lung cancer	4 times the risk of dying in a fall	Fix your home
4 pCi/L	About 7 people could get lung cancer	The risk of dying in a car crash	Fix your home
2 pCi/L	About 4 person could get lung cancer	The risk of dying from poison	Consider fixing between 2 and 4 pCi/L
1.3 pCi/L	About 2 people could get lung cancer	(Average indoor radon level)	(Reducing radon levels below 2 pCi/L is difficult.)
0.4 pCi/L		(Average outdoor radon level)	

* Lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003).

** Comparison data calculated using the Centers for Disease Control and Prevention's 1999-2001 National Center for Injury Prevention and Control Reports.

Note: If you are a former smoker, your risk may be lower.

Dear Customer:

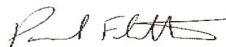
Recently you purchased a short-term radon detection kit. The results from that test are enclosed. In an effort to ensure your health from the effects of radon the EPA recommends the following:

- * For results between 2.0 and 4.0 pCi/L *consider* taking further action, such as performing another test to confirm the initial results.
- * For results above 4.0 pCi/L *take action* by initiating the installation of a radon mitigation system.

In some cases high levels of radon in air could be due to elevated levels of radon in water. Research suggests that swallowing water with elevated radon levels may pose risks ; although, risks from swallowing water-containing radon are believed to be much lower than those from breathing air-containing radon. Along with our radon analysis and manufacturing capabilities, we have expanded our laboratory to include additional indoor air quality products. We now offer mold-testing kits. For your convenience, all our products are listed below. Because you are a valued customer, we have also included a coupon for all of Alpha Energy's indoor air quality products, which will allow you to purchase these products at a reduced rate. As with the short-term kit, the long-term kit, real estate twin pack, and water test kit pricing includes analysis and a final report to you.

Once again, thank you for choosing Alpha Energy Laboratories and we look forward to serving your families future indoor air quality needs.

Sincerely,



Paul Fletcher
President

Types of Tests

Short Term Kits

48-96 hr (2-4 days) Activated Charcoal (retest approximately every 1 to 2 years). Generally used for initial testing of radon.

Long Term Kit

90-360 day Alpha Track test (typically used for follow up testing and year long tests for CARST zones, ie: Kentucky, Alabama, Tennessee)

Radon in Water Kit

Radon in water escapes through the air. In general, 10,000 pCi/L of radon in water adds 1 pCi/L of radon to the air.

Mold Detection Kit

It is important to know your type of mold before you begin remediation to prevent the unhealthy spread of mold spores throughout your home. One mold kit contains six sampling strips and 3 bulk sample bags, making a total of 9 possible tests per one kit.

(Note: there is a fee of \$15 per sample tested to be included with request for analysis.)

Real Estate Twin Pack

Designed to meet EPA protocol regarding real estate transactions this pack includes two short term test kits to run side by side, two envelopes (one per kit), one information card to complete in full, and a prepaid UPS 2nd Day Return Mailer to ensure that your tests are delivered to our lab in a timely manner.

Alpha Energy Order Form

Description	Qty.	Special Price	Subtotal
Short Term Kit (2-4 days)		\$ 10.95	
Real Estate Twin Pack		\$ 24.95	
Long Term Kit (90-365 days)		\$ 19.95	
Radon in Water Kit		\$ 22.45	
Mold Detection Kit (Additional Fees Apply for Analysis)		\$ 9.95	

Order total:

Shipping: \$3.50

Total:

Please Write Legibly

Name

Address

City, State, Zip

Phone

Method of Payment

AmEx/ Disc ☐

MC/VS ☐

Check/Money Order ☐

Check #

Credit Card #

Exp. date

Signature

Alpha Energy Labs
2501 Mayes Road, Suite 100
Carrollton, Texas 75006
Phone: 972-242-2479 x42
Fax: 972-242-8860

Fill out order form completely, detach and send with payment to address listed above.

WHAT DO YOUR RADON TEST RESULTS MEAN?

If your radon level is **below 2 pCi/L**, you do not need to take action

If your radon level is **between 2 pCi/L and 4 pCi/L**, you should monitor your home by re-testing every 2 years. Your home is above the indoor national average of 1.3 pCi/L.

If your radon level is **4 pCi/L or greater**, use the following charts to determine what your test results mean. Depending upon the type of test(s) you took, you will have to either test again or fix the home.

NOTE: All tests should meet EPA technical protocols.

CHART 1: Radon Test Conducted Outside Real Estate Transaction

Type of Test(s)	If Radon Level is 4.0 pCi/L or Greater
Single Short-Term Test	Test Again*
Average of Short-Term Tests	Fix The Home
One Long-Term Test	Fix the Home

* If your first short-term test is several times greater than 4.0 pCi/L – for example, about 10.0 pCi/L or higher – you should take a second short-term test immediately.

CHART 2: Radon Test Conducted During a Real Estate Transaction (Buying or Selling a Home)

Type of Test(s)	If Radon Level is 4.0 pCi/L or Greater
Single Active Short-Term Test (this test requires a machine)	Fix the Home
Average of 2 Passive Short-Term Tests*	Fix The Home
One Long-Term Test	Fix the Home

* Use two passive short-term tests and average the result.

WHAT SHOULD I DO NEXT?

If your radon level is 4 pCi/L or greater, you can call your State radon office (see listing on back) to obtain more information, including a list of EPA or State-approved radon contractors who can fix or can help you develop a plan for fixing the radon problem. You may also call the Radon Fix-It Line at 1-800-644-6999 between noon and 8 pm M-F, EST/EDT for information and assistance. Consumer Federation of America, a nonprofit consumer organization, operates this toll-free line.

Thank you for using our Radon Gas Detector. We encourage you to follow the EPA's and the Surgeon General's advice and fix the home if the radon level is 4 pCi/L or greater.

ADDITIONAL STATE INFORMATION

If you live in **New Jersey**, the following information applies to you...

The United States Environmental Protection agency and The Centers for Disease Control have used a continuous exposure level of 4 pCi/L or 0.02 WL as a guidance level at which further testing and/or email remedial action are indicated. If levels in your home exceed 4 pCi/L or 0.02 WL, it is recommended that you notify the New Jersey Department of Environmental Protection at 1-800-648-0394.

NOTICE

This notice is provided to you by an organization or individual certified by the New Jersey Department of Environmental Protection to perform radon and/or radon progeny measurements. N.J.S.A. 26:2d-73 requires that [radon measurement data be kept confidential and be sent only to] no certified person disclose to an individual, except the Department of Environmental Protection or [on request, to] the Department of Health the address or owner of a non-public building that the person has tested or treated for the presence of radon gas and radon progeny, unless the owner of the building waives, in writing, this right of confidentiality. In the case of a prospective sale of a building which has been tested for radon gas and/or radon progeny, the seller shall provide the buyer, at the time the contract of sale is entered into, with a copy of the results of that test and evidence of any subsequent mitigation or treatment, and any prospective buyer who contracts for the testing shall have the right to receive the results of that testing. Any questions, comments, or complaints regarding the persons performing these measurements, or related mitigation, or safeguarding services should be directed to the New Jersey Department of Environmental Protection, Attention: Radon Section, Bureau of Environmental Radiation (1-800-648-0394).

If you live in **Pennsylvania**, the following information applies to you...

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 resources. 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 at: The Bureau of Radiation Protection, Department of Environmental Resources, P.O. Box 2063, Harrisburg, PA 17120 (717) 787-2480.

If you live in **New York**, the following information applies to you...

If your test result exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for further technical advice and assistance.

STATE RADON CONTACTS

EPA National IAQ ... (866) 662-8822

Alabama.....	(800) 582-1866	Illinois.....	(800) 325-1245	Nebraska.....	(800) 334-9491	Rhode Island....	(401) 222-7795
Alaska.....	(860) 478-8324	Indiana.....	(800) 272-9723	Nevada.....	(775) 687-5394	South Carolina..	(800) 767-7736
Arizona.....	(602) 255-4845	Iowa.....	(800) 383-5992	New Hampshire...	(603) 271-4764	South Dakota.....	(800) 438-3367
Arkansas.....	(800) 482-5400	Kansas.....	(800) 693-5343	New Jersey.....	(800) 648-0394	Tennessee.....	(800) 232-1139
California.....	(800) 745-7236	Kentucky.....	(800) 383-5992	New Mexico.....	(800) 219-6157	Texas.....	(800) 572-5548
Colorado.....	(800) 846-3988	Louisiana.....	(888) 293-7020	New York.....	(800) 458-1158	Utah.....	(801) 536-4250
Connecticut.....	(860) 509-7367	Maine.....	(800) 232-0842	North Carolina....	(919) 571-4141		(800) 458-0145
Delaware.....	(800) 464-4357	Massachusetts....	(800) 723-6695	North Dakota.....	(800) 227-8917	Vermont.....	(800) 464-4343
District of Columbia.....	(202) 535-2999	Michigan.....	(800) 723-6642	Ohio.....	(800) 523-4439	Virginia.....	(800) 468-0138
Florida.....	(800) 543-8279	Minnesota.....	(800) 798-9050	Oklahoma.....	(405) 702-5100	Washington.....	(360) 236-3253
Georgia.....	(800) 275-8421	Mississippi.....	(800) 626-7739	Oregon.....	(971) 673-0496	West Virginia.....	(800) 922-1255
Hawaii.....	(808) 586-4700	Missouri.....	(573) 751-6160	Pennsylvania...	(800) 237-2366	Wisconsin.....	(888) 569-7236
Idaho.....	(800) 445-8647	Montana.....	(800) 546-0483	Puerto Rico.....	(787) 274-7815	Wyoming.....	(800) 458-5847

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