



# Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

August 23, 2010

10-43233-01

Mr. Ranajit Sahu  
Basic Remediation Company  
875 West Warm Springs Road  
Henderson, NV 89011

Subject: **Report**  
*Radon Testing*  
One Commercial Location in Zip Code 89011  
900 Wiesner Way (AMPAC Offices)  
Henderson, Nevada

Dear Mr. Sahu:

In accordance with our Professional Services Agreement dated April 15, 2004 and your verbal request, Converse Consultants (Converse) conducted the subject radon testing from August 6, 2010 to August 10, 2010. The subject services were reportedly requested to obtain data regarding potential radon levels in future homes to be built in the 89011 zip code.

## **Scope of Services**

The subject assessment included the professional services of Mr. Dale Walsh, a Converse employed Certified Industrial Hygienist (CIH), Certified Safety Professional (CSP), and Certified Environmental Manager (CEM). Two tests were conducted in the subject location.

## **Methods**

The samples were sent using chain-of-custody methods for analysis to EMLab P&K (EML) in Phoenix, Arizona. EML is certified under the National Environmental Health Association's National Radon Proficiency Program.



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Recycled Paper

731 Pilot Road, Suite H, Las Vegas, Nevada 89119-4429

Telephone: (702) 269-8336 ♦ Facsimile: (702) 269-8353 ♦ e-mail: lasvegas@converseconsultants.com

The testing was performed using the Rad Elec E-PERM Electret Ion Chamber which was analyzed with the SPER-1 Electret Reader. The tests were collected at the lowest floor level of the building sampled, in middle areas of the rooms, and at a height of approximately five feet above ground. The building had been closed as much as possible during testing (e.g., sampling started Friday afternoon and conducted over weekend with minimal activity). The weather was typical for the time of year.

## Results and Discussion

The radon testing results are described in Table 1. The laboratory report is enclosed.

**Table 1**  
**Radon Testing Results measured in picoCuries per Liter of air (pCi/L).**

Location / Sample No.	Start Time and Date	End Time and Date	Results pCi/L
Between Conference Room and Break Room / C-44	1325 8/6/10	1451 8/10/10	0.7
Hallway on Bookshelf across from Ken Kern's Office / C-34	1325 8/6/10	1451 8/10/10	0.6
<i>EPA Action Level for Mitigation</i>			4.0
<i>EPA Level for Homeowner to Consider Mitigation</i>			2.0
<i>National Average in Homes</i>			1.3

## Conclusions

Based upon the previously described results, the following conclusions are made:

1. The radon levels detected at the subject AMPAC office were below the EPA Action Level, the homeowner mitigation consideration level, and the national average.

## Recommendations

Based upon the previously described results and conclusions, the following recommendations are made:

1. Per EPA guidelines, no further action is recommended. However, consideration should be given to conducting a follow up to the testing during the winter months to confirm the results obtained under different climatic conditions.

### **Limitations**

This report is for the use of Basic Remediation Corporation as it applies to the subject site. Converse is not responsible for any claims or damages associated with interpretation of available information. This assessment should not be regarded as a guarantee that no other hazardous conditions exist at the subject site. In the event that changes in the nature of the property occur, or additional relevant information about the property is brought to our attention, the conclusions and recommendations contained in this assessment may not be valid unless these changes and additional relevant information are reviewed and the conclusions and recommendations of this assessment are modified or verified in writing.

Thank you for the opportunity to be of service. Should you have any questions or comments regarding this report, please do not hesitate to call.

Respectfully submitted,

CONVERSE CONSULTANTS



Dale W. Walsh, CIH, CSP, CEM  
Certified Industrial Hygienist

DWW:ls

Encl: EMLab P&K Analysis Report  
Photographs  
Sketch of AMPAC Office Sample Locations

Dist: 2/Addressee



The Proven Leader

North Phoenix Arizona Laboratory  
1501 West Knudsen Drive, Phoenix, AZ 85027  
800.651.4802 • Fax. 623.780.7695 • EMLAP# 102297

## Radon Test Report

**Converse Consultants**  
731 Pilot Rd., Suite H  
Las Vegas, NV 89128  
Attn: Mr. Dale Walsh

**EMLab ID#:** 689581  
**Project ID:** 104323301  
**Date Received:** August 11, 2010  
**Date Analyzed:** August 11, 2010  
**Certification #:** NRPP#102969AL  
NRPP#103751RT

**Methods:** Rad Elec E-PERM Electret Ion Chamber System samples were analyzed via a SPER-1 Electret Reader, Serial Number SIN00702. Short-term radon tests are intended to give you an indication of the radon levels during the measurement period in the areas tested. The results of the radon measurements that you performed are as follows:

### Deployment Information

Start Test: 8/6/2010 1:25 PM  
Finish Test: 8/10/2010 2:51 PM  
Test State: NV  
Elevation (ft): 2000

Project Description: BRC/AMPAC Radon Test

### Results

Electret Serial #	Sample Location	Device Type	Analysis Date	Analyst	Radon pCi/L	(+/-) pCi/L
SFN944	C-44 Between Conf. Rm & Break Rm	SST	August 11, 2010	LPR	0.7	0.1
SFO085	C-34 Hallway on bookshelf near Ken Keins office	SST	August 11, 2010	LPR	0.6	0.1

*Michael J. Madry* 08/12/10

Authorized Signature/Date:

Quality Assurance Manager-Western Region

ENVIRONMENTAL MICROBIOLOGY LABORATORY, INC.  
800.651.4802 • www.emlab.com • info@emlab.com



The Proven Leader

North Phoenix Arizona Laboratory  
1501 West Knudsen Drive, Phoenix, AZ 85027  
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### **What Do My Test Results Mean?**

The concentration of radon is measured in picocuries per liter of air (pCi/L). If your average radon level is less than 4.0 pCi/L, no action is necessary. However, radon levels less than 4.0 pCi/L can still pose some health risk, and in many cases can be reduced. The national average indoor radon level is about 1.3 pCi/L while the average outdoor radon concentration is about 0.4 pCi/L. The higher the radon concentration in the test area, the greater the health risks to those in the immediate area.

### **What Do I Do If My Test Results Are Greater than 4.0 pCi/L?**

If the test results are 4.0 pCi/L or greater, the EPA recommends that you mitigate to reduce the radon concentrations to an acceptable level. There are simple ways to fix a radon problem that aren't too costly, and even very high concentrations can be reduced to acceptable levels.

### **What Is the Health Risk Associated with Radon Gas?**

Radon is a radioactive gas that comes from the natural breakdown of uranium in the soil. Radon is estimated to cause many thousands of deaths each year from lung cancer, and in fact, it is the second leading cause of lung cancer after smoking. If you smoke, and the test area has high radon levels, your risk of lung cancer is especially high.

### **Where Can I Get Additional Information on Radon?**

For more information, please refer to <http://www.epa.gov/radon/index.html>

### **Data Qualifiers**

The *Data Qualifiers* identify issues or events that are relevant to your analytical results. A data qualifier includes information about the validity, the source of the data whether calculated, entered or estimated, and the value of an observation. In each case the data qualifiers provide significant information vital to the interpretation of the laboratory data.





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D. Nitzsche

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Special Instructions:

WH - Weekend/Holiday

\* Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

### Analyses Requested\*\*

# RADON

## Sample Information

[illegible]

## Deployment Information

The following information is required to calculate radon concentrations.

Start Date: 8/6/2010  
Start Time: 1:25 PM

End Date: 8/10/2010  
End Time: 2:51 PM

Test State: Nevada  
Elevation: 2000 ft.  
(Estimate acceptable)

### Payment Information

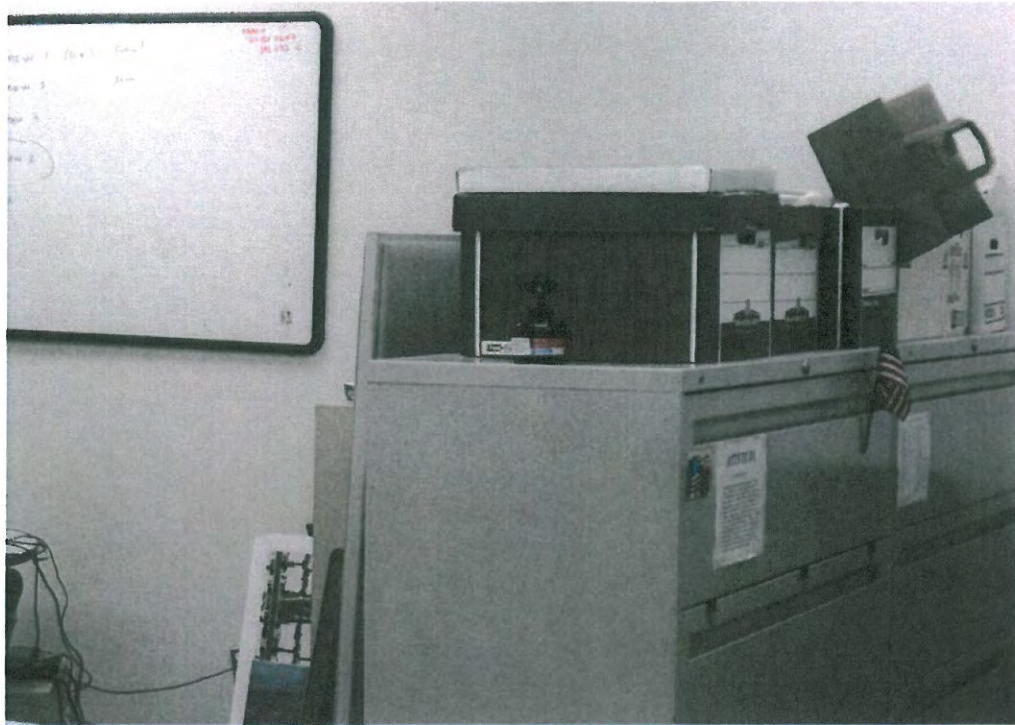
On Account (must have preapproved credit)	
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Check Enclosed - Check Number:	Amount: \$
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Date	Time	Samples Relinquished By	Samples Received By
8/10/10	3:45 PM	Malek Walsh	
8-11-10	9:45 AM	Fern Et	Fern Et

**\*\* Please see service guide for requested services. Not all locations perform same analysis, please contact your Project Manager if you have questions.**

By Submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at [www.emlabpk.com/terms.html](http://www.emlabpk.com/terms.html)

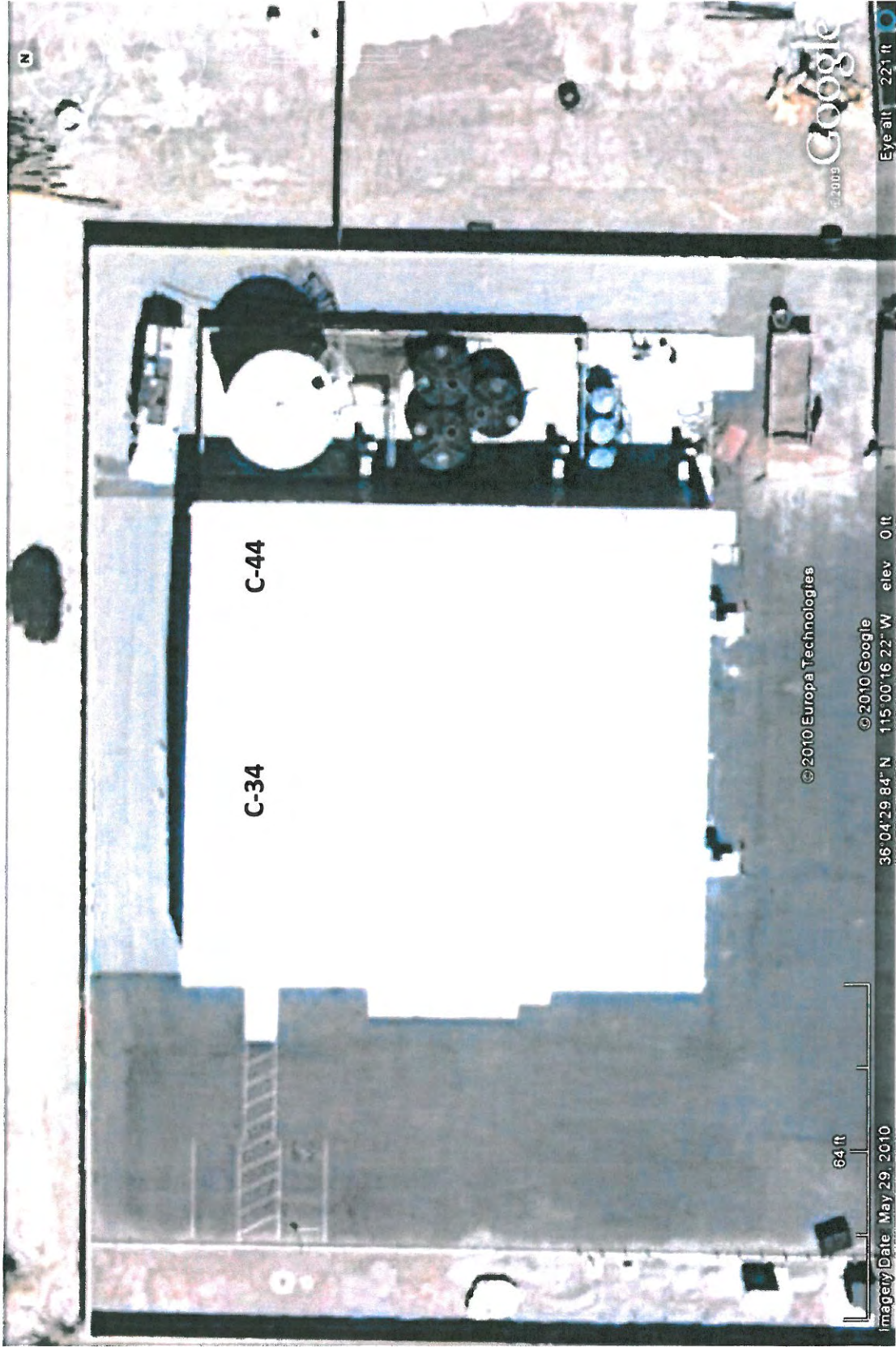


Sample C-44 – Between Conference Room and Break Room



Sample C-34 – Hallway on Bookshelf near Ken Kern's Office





**AMPAC Building**