

NEVADA RADON REPORT

Nevada Radon Education Program

A FEDERALLY FUNDED PROGRAM THROUGH THE NEVADA DIVISION of PUBLIC and BEHAVIORAL HEALTH AND THE U.S. ENVIRONMENTAL PROTECTION AGENCY

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University of Nevada
Cooperative Extension

EPA Region 9 Radon Stakeholders meeting offered in Reno

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The Nevada Radon Education Program hosted the 2nd annual EPA Region 9 Radon Stakeholders meeting on May 24, at the Best Western Airport Plaza Hotel. Wallace Akerley, MD, of Huntsman Cancer Institute (HCI), was the keynote speaker. Akerley presented “Radon and Lung Cancer, Radon Awareness in Utah,” to the 58 stakeholders who attended the event.

Akerley is a professor in the Department of Medicine, Division of Medical Oncology at the University of Utah School of Medicine, senior director of Community Oncology Research at HCI, co-director of the Thoracic Cancer



Wallace Akerley, MD, Huntsman Cancer Institute, presented the keynote speech, “Radon and Lung Cancer,” at the EPA Region 9 Radon Stakeholders Meeting, May 24, in Reno.

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Inspectors learn about radon at annual conference

The American Institute of Inspectors and Nevada Association of Certified Real Estate Inspectors (NACREI) held their annual spring conference April 29 to May 1, at the Best Western Airport Plaza Hotel in Reno. Kent Sweet, president, NACREI, invited the Nevada Radon Education Program to present “Radon, Essential Information for Inspectors of Structures.” Norm Denny, radon mitigator, Pinnacle Construction Consultants, also presented on Radon Mitigation and Radon-Resistant New Construction (RRNC) techniques.

Jamie Roice-Gomes, education coordinator, discussed what radon is, how it is measured, the health risk, radon prevalence in Nevada, as well as in other nearby states, and how it enters homes. Susan Howe, program director, spoke about testing, radon in real estate for home buyers

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Susan Howe spoke to home inspectors at the American Institute of Inspectors/Nevada Association of Certified Real Estate Inspectors Spring Conference held Apr. 29 in Reno.

Rural Preparedness Summit attendees introduced to radon

The 5th Annual Rural Preparedness Summit took place June 21 and 22, at the Fallon Convention Center. Summit organizers invited the Nevada Radon Education Program to present on radon. Susan Howe, radon program director, presented “Radon, What You Don’t Know Could Hurt You,” to the 117 first-day rural Nevada attendees.

Howe had asked Kelly Clark, special projects and public affairs specialist, United States Department of Agriculture Rural Development, to co-present about the Rural Housing’s 504 Home Repair Loan and Grant, as eligible home repairs include installing radon mitigation systems.

“I hoped to get the word out to more rural homeowners and organizations that there is radon mitigation assistance available to rural homeowners,” said Howe. “Too often, we hear people say they don’t want to test because they can’t afford to remediate if radon is found. It’s unfortunate, but there is some assistance possible through USDA.”

The USDA program provides funds for rural homeowners for many home repairs that include fixing roofs, replacing windows or doors, adding insulation, repairing a bathroom, water heater, a well or septic tank, or replacing a water heater and



Susan Howe presented on the radon health risk at the Rural Preparedness Summit on June 21.

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STAKEHOLDERS

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Program at HCI, and member of the Experimental Therapeutics Program. In addition to his leadership responsibilities, Akerley treats patients with many types of cancer, focusing on lung cancer and melanoma. As a physician, he provides radon awareness from a physician's perspective.

"Five new drugs have been approved for lung cancer in the last year," said Akerley, noting the tremendous improvement resulting from research.

He also noted that genetic studies may prove a possible genetic cause for lung cancer, which in turn can bring about new research for ways to block, impede or stop the growth of tumors in lung and other body cells.

The morning's event began with a welcome from Adrian Howe, radiation control supervisor, Nevada Division of Public and Behavioral Health, and Bruce Snead, director of Engineering Extension at Kansas State University. The keynote presentation was followed by Snead's presentation, "Real Risk Reduction Through Mitigation, Radon-Resistant New Construction, and Radon in Real Estate."



Adrian Howe, radiation control supervisor, Nevada Radiation Control Program, welcomes stakeholders to the meeting.

Joe Bigotti, a retired Northern Nevada general contractor, "put a face on radon," with his message as home builder, but also as a husband whose wife passed from lung cancer. Radon testing in Bigotti's home revealed a level of 15 pCi/l and since he became aware of radon, is advocating for more policies to protect the unsuspecting homeowner and home buyer.



Joe Bigotti, retired Northern Nevada homebuilder

she has been instrumental in getting the Illinois Radon Awareness Act passed in 2007 and has been a tireless radon policy advocate.

Radon prevalence in Region 9 states was presented by Natalia Deardorff, director, California Indoor Radon Program, Susan Howe, director, Nevada Radon Education Program, and Rich Baker, health physicist/public information officer, Radioactive Materials Laboratory Department of the Arizona Radiation Regulatory Agency.



Gloria Linnertz is a tireless radon policy advocate.

After lunch, presentations began with Lily

Helzer, program coordinator, Nevada Comprehensive Cancer Control Program, speaking about the "Nevada Cancer Control Program and the Nevada Cancer Plan." Bernadette Longo, associate professor and clinical nurse leader, and Cathy Butler, assistant professor of nursing emerita, both members of the Nevada Nurses Association's (NNA) Environmental Health Committee, and both of Orvis School of Nursing, spoke about "Northern Nevada Nurses Association and Radon," encouraging nurses and the medical profession to promote radon education with their patients.



Bernadette Longo and Cathy Butler, Orvis School of Nursing, spoke about Northern Nevada Nurses Association and their educational efforts concerning radon.

Gail Orcutt, a lung cancer survivor and radon advocate from Iowa, presented "Have you tested your home for Radon?" and told about her journey as a nonsmoker, learning she had lung cancer, and how she educated herself, her doctor, and others throughout her journey.



Ryder Freed EPA Reg. 9

Ryder Freed, coordinator, Air Radiation Program, EPA Region 9, talked about "Emerging Issues, Radon Program going forward and the National Radon Action Plan." Frankie Vigil, executive director, American Lung Association of Nevada, ended the presentations with "Lung Force Movement from the American Lung Association."

The day concluded with discussion groups to create action plans to advance the educational efforts of the meeting.

Stakeholders included 12 radon industry professionals, three Realtors, 10 in the medical field, 4 from non-profit organizations, five city or county government agencies, five citizen advocates and radon program volunteers, and 12 EPA Region 9 educators, managers or administrative personnel.



Gathering for a group photo are Bernadette Longo, Gloria Linnertz, Gail Orcutt, Linda Saunders, Dr. Wallace Akerley, Bruce Snead, Cathy Butler and Susan Howe.

Of the attendees, 37 were from Nevada, 12 from California, three from Arizona and six were from other states.

The NNA offered continuing education credits, and six nurses

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Bruce Snead, director of Engineering Extension at Kansas State University, was the emcee for the day. A total of 58 attended the meeting.

STAKEHOLDERS

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attended and received CE credits at the event.

Many evaluations noted that Dr. Akerley's keynote presentation was the most useful from the morning session, but most of the presentations were listed at least once on other evaluations.

Evaluation comments and emails after the meeting were very positive. Here are a few: "A truly beneficial conference, I came away with important information, both personally and professionally, that I needed but thought I knew;" "A nice mixture of motivational, information and research;" "Great balance of information and variety of speakers;" "Enjoyed personal story of Joe Bigotti and feel he could have an impact in the community;" "The meeting exceeded my expectations;" "Nursing facts were very powerful;" "The different methods different states are taking (was useful);" and "This presentation was highly motivating to get the word to my community."

From some nurses: "I already knew a lot about radon, but learned so much more!" "Many, many helpful ideas for the NNA Environmental Action Committee."

From one of the speakers: "This was possibly the best radon stakeholders meeting I have ever attended! It was so informative and useful for all attending and everyone could feel the excitement and enthusiasm in the air. Great job!"

From a Realtor: "I intend to encourage our local Realtors board to become more involved in educating homeowners relative to radon and testing, etc. It certainly behooves us to take a more proactive stance."

From a county partner: "There is a lot of information out there, just getting the public to care is the hardest part!"

From an educator: "The varied speakers provided such a broad base of knowledge from the facts to those who had their lives severely impacted! In thinking about what I took away from the summit, I realized that the three individuals who had lost loved ones or almost their life, had the greatest impact."

Six exhibitors were part of the event and provided give-aways and information: RadonAway, Alpha Energy Laboratories, Midwest Universities Radon Consortium at Kansas State University, Nevada Nurses Association, Citizens for Radioactive Radon Reduction, and the Nevada Radon Education Program.

RadonAway also contributed a RadonAway RP145 radon fan and a battery-powered air flow alarm that was raffled to a lucky winner, Ryder Freed from the U.S. EPA Region 9 office. Alpha Energy donated 10 mold kits and 10 more attendees walked away happy!

One result of the stakeholders meeting has been a radon collaboration meeting involving the Nevada Nurses Association, Nevada Cancer Control Program, Nevada Cancer Coalition, Renown Hospital, Radiation Control Program and Nevada Radon Education Program. As the winter months approach, perhaps more collaboration will take place.



Two "faces for radon," Joe Bigotti and Gloria Linnertz, both presented at the meeting.

Radon CE training classes offered in Reno

Continuing education training for radon professionals was offered in Reno, the day before the EPA Region 9 Radon Stakeholders Meeting, which was held Tuesday, May 24.

About 15 radon professionals and those interested in learning more about radon mitigation and measurement attended the training offered by Bruce Snead, director of Engineering Extension at Kansas State University. Training was sponsored by the Midwest Universities Radon Consortium at Kansas State University in cooperation with the Western Regional Radon Training Center. Eight hours of NRPP and NRSB continuing education credits were offered for three courses: Inspecting the Radon Mitigation System with Home Inspection, Overview of Radon Measurement and Mitigation Standards, and Quality Assurance Plans for Measurement and Mitigation.

Evaluations for the training were very good. Some comments included: "Bruce keeps it at high octane," in reference to his teaching methods; "not boring" as a course instructor; "great class, good course, good breaks, enjoyed meeting Bruce and fellow radon professionals."



Bruce Snead of Midwest Universities Radon Consortium at Kansas State University, in cooperation with the Western Regional Radon Training Center, offered 8 continuing education credits to radon professionals in Reno and surrounding states on May 23, prior to EPA Region 9's Radon Stakeholders Meeting.

INSPECTORS

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and sellers, using certified testers, testing protocols, interpreting test results, funding assistance for rural, low income homeowners, and resources available to find answers.

Denny described how homes with radon problems can be fixed, radon mitigation standards for crawl space basements, slab and basement foundations, radon systems not installed to industry standard, and RRNC for new home construction. The inspectors learned a lot about radon and radon mitigation, and they had a lot of great questions.

"I am glad the inspectors asked us to present," said Howe. "Now they know where to go for answers and they know what components are involved in a correctly installed radon mitigation system. If they have questions or need resources, now they know where to go for answers!"

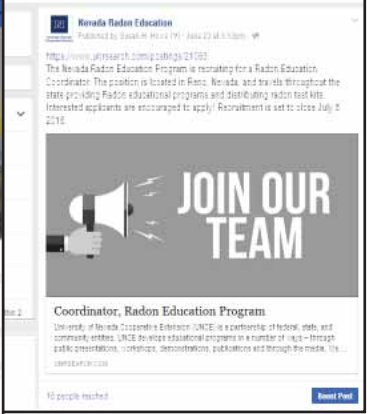


Norm Denny described radon mitigation and RRNC for inspectors at the All/NACREI Spring Conference held Apr. 29 at the Best Western Airport Plaza Hotel.



Bruce Snead presented "Real Risk Reduction Through Mitigation, Radon-Resistant New Construction, and Radon in Real Estate."

Radon on the internet and social media...



RURAL

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making a home handicap-accessible.

Those eligible for loans and grants must be the homeowner who occupies the house, must show family income below 50 percent of the area median income, and must not be able to obtain affordable credit elsewhere. Persons aged 62 or over may qualify for grants. Address eligibility can be determined from the USDA website.

Although one evaluation comment noted that radon was not a "preparedness" topic, the radon presentation and increase of knowledge by attendee ranked second among the day's presentations.

The event was free and offered breakfast and lunch and continuing education credits for emergency management service personnel, nurses, certified health education specialists, and licensed social workers each day of the conference. Attendees to the event included state, county, fire, police, tribal, emergency management, and mental health personnel and certified health nurses.



Kelly Clark, special projects and public affairs specialist, U.S. Department of Agriculture Rural Development

Radon test kit distribution data for quarter

The data in the charts below show the number of test kits distributed at various events for the April through June quarter. They show the number of kits distributed as well as the number of kits used by June 30. The percentage columns represent the percent of usage or success rate within the activity or test kit distribution location. At least 246 test kits were distributed and 103, or 41.9 percent, of those distributed during the quarter, were used as of June 30.

Special Projects, Partners and Cooperative Extension offices

Partners and Cooperative Extension offices provided a total distribution of 163 short-term radon test kits. Of those kits, about 57.7 percent were used.

Partnerships with Incline Village Recreation Center, Nevada Tahoe Conservation District and Tahoe Regional Planning Agency continue to be great resource locations for local residents.

Short-term test kits distributed from Special Projects, Partners and Cooperative Extension offices from April - June 2016			
Distribution point	No. kits distributed	No. tested	% tested
Carson City County Cooperative Extension	12	2	16.7%
Clark County Cooperative Extension	8	5	62.5%
- NE Clark County Cooperative Extension	1	1	100%
Douglas County Cooperative Extension	31	15	48.4%
- Nevada Tahoe Conservation District	4	3	75.0%
- Tahoe Regional Planning Agency	3	1	33.3%
Elko County Cooperative Extension	2	0	0.0%
Lyon County Cooperative Extension	3	1	33.3%
Pershing County Cooperative Extension	4	1	25.0%
Washoe County Cooperative Extension	41	28	68.3%
- Incline Village Recreation Center	18	12	66.7%
White Pine County Cooperative Extension	2	0	0.0%
Mitigator Norm Denny kit distribution	26	20	76.9%
Mitigator Jim Gorman distribution	4	1	25.0%
Mitigator Derrick Carpenter distribution	4	4	100%
TOTALS	163	94	57.7%

Radon mitigators, Norm Denny, Derrick Carpenter and Jim Gorman distribute NREP test kits to homeowners of mitigated homes.

Statewide program presentations and events

NREP had two events this quarter: EPA Region 9 Radon Stakeholders Meeting and the Rural Preparedness Summit. At least 2 kits were used by June 30, which is a low test kit usage rate. However, test kit recipients were reminded that winter was the best time to test, so hopefully they will use their kits later.

Mail order requests

NREP received 16 requests for test kits by mail: 7 using website coupons, 4 via Eventbrite online ordering, and 5 by various coupon sources. Seven or 43.8 percent were used by June 30.

Short-term test kits distributed at Programs and Events from April - June 2016				
Date	Program	No. kits distributed	No. tested	% tested
5/24/16	Region 9 Radon Stakeholder Meeting	13	1	7.7%
6/21/16	Rural Preparedness Summit	54	1	1.9%
Program Totals		67	2	3.0%

Short-term test kits distributed by Mail with Coupons, Phone contact, E-mail or Online orders from April - June 2016			
Distribution point	No. kits distributed	No. tested	% tested
Mail requests - Eventbrite online order	4	2	50%
Mail requests - miscellaneous cpn.	1	1	100%
Mail requests - Radon Activity Book cpn.	2	2	100%
Mail request - St. Mary's Pulmonary-Galena	2	1	50%
Mail requests - Website cpn.	7	1	14.3%
TOTALS	16	7	43.8%

Radon in newsletters...

Radon Education Program Numbers

UNCE Radon Program Numbers	prior to Sep 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	Jul - Sep 15	Oct - Dec 15	Jan - Mar 16	Apr - Jun 16	Totals
Radon phone and email inquiries		2,136	2,688	1,911	2,209	1,946	3,148	1,893	1,349	60	341	1,234	179	19,094
Direct contacts promoting radon testing and mitigation		3,259	14,000	10,428	7,862	7,768	8,416	9,205	9,107	355	2,401	5,336	541	78,678
Newspaper/magazine articles	1	99	61	85	68	122	105	44	50	5	16	22	2	680
Radon publications/information distributed		2,798	67,071	59,378	58,545	99,057	100,905	126,754	122,637	24,704	42,038	52,497	9,790	766,174
Radon exhibits		51	106	186	148	183	77	59	53	1	15	10	3	892
TV reports		17	9	57	37	6	4	6	21		6	17		180
TV PSAs						592	310	508	563		264	615		2,852
Radio PSAs		6	6	26	6	195	3,755	5,926	6,435		826	4,022		21,203
Website pages of NV Radon information			45	113	253	113	100	90	18,336	13	48	47	5	19,163
Eventbrite page views							355	481		106	46	47	39	1,074
Website page hits			29,466	59,288	75,920	85,617	152,793	198,030	227,969	48,995	100,222	148,615	46,138	1,173,053
Test kits distributed	971	2,469	8,208	5,321	4,829	3,993	4,929	5,219	5,346	199	1,132	4,114	267	46,997
Homes newly tested-Short-Term	1,574	1,316	4,062	2,590	2,339	2,025	2,043	2,436	2,350	138	296	1,717	207	23,093
Homes newly tested-Long Term	41	26	56	30	30	26	29	26	15	3	2	7	4	295
School buildings tested	6	1	16	10		15	1	1	10					60
School buildings mitigated	1	1	2	7			4	1						16
Homes mitigated	4	20	75	92	128	127	110	111	127		30	47	33	931
Homes with repaired mitigation system or fan replacements			1	1		2		1					1	6
Large buildings tested		27		31		152	16	5	12			23		266
Large buildings mitigated			2			1						12		15
Homes tested in Real Estate transaction	1	27	68	84	168	259	102	366	241	58	60	79	46	1,559
Homes built with RRNC features		7	36	30	18	22	26	23	228	2	5	19	5	421
Certified Mitigators		3	2	-1			-2	1					1	4
Builders using RRNC					5	3	1	1	2					12
Realtors promoting Radon testing						26	7	3	52	10	3	8	2	111

Nevada Radon Education Program's Impact Data as of 6-30-16

County	% Radon Potential of Usable ST Test Results*				% kits distributed/used**				% Homes tested*			% Mitigations			# Real Estate	# RRNC	
	# Valid ST tests*	# Homes < 4 pCi/l	# Homes ≥ 4 pCi/l	% Radon Potential	Average ST radon level pCi/l	Maximum ST radon level pCi/l	# long & short-term test kits distributed	# test kits used	% of test kits used	# Households	# Homes tested	% Homes tested	# Homes that need mitigated	# Homes mitigated	% Homes mitigated	# Homes tested in a real estate transaction	# Homes built RRNC
Carson City	1,584	958	626	39.5%	4.45	100.5	3,606	2,193	60.8%	23,464	1,806	7.7%	609	81	13.3%	121	16
Churchill	424	362	62	14.6%	2.69	16.4	1,003	529	52.7%	10,686	482	4.5%	59	9	15.3%	12	3
Clark	2,692	2,461	231	8.6%	1.80	66.0	7,767	3,419	44.0%	863,010	3,690	0.4%	225	50	22.2%	123	215
Douglas	3,698	2,265	1,433	38.8%	4.91	117.9	8,606	5,524	64.2%	23,776	4,245	17.9%	1,371	278	20.3%	353	78
Elko	362	222	140	38.7%	4.82	57.3	883	411	46.5%	20,511	437	2.1%	136	15	11.0%	13	1
Esmeralda	3	3	0	0%	1.40	1.9	19	3	15.8%	829	5	0.6%	0	0			
Eureka	26	18	8	30.8%	4.93	35.1	145	30	20.7%	1,043	34	3.3%	8	0	0%	1	
Humboldt	208	136	72	34.6%	4.59	58.3	518	298	57.5%	7,275	246	3.4%	71	6	8.5%	4	2
Lander	113	94	19	16.8%	3.10	24.9	250	167	66.8%	2,628	158	6.0%	19	2	10.5%	10	1
Lincoln	74	50	24	32.4%	5.91	121.0	188	106	56.4%	2,730	100	3.7%	23	0	0%	1	
Lyon	966	688	278	28.8%	3.56	135	2,054	1,142	55.6%	22,399	1,137	5.1%	258	34	13.2%	34	13
Mineral	91	53	38	41.8%	4.60	28.0	271	121	44.6%	2,794	102	3.7%	38	4	10.5%	5	
Nye	167	153	14	8.4%	1.81	9.2	478	226	47.3%	21,783	216	1.0%	13	1	7.7%	8	1
Pershing	169	74	95	56.2%	6.74	42.7	558	266	47.7%	2,416	204	8.4%	95	10	10.5%	3	1
Storey	34	24	10	29.4%	2.92	8.7	140	55	39.3%	1,985	52	2.6%	10	0	0%		
Washoe	8,457	6,667	1,790	21.2%	3.29	195.0	19,917	10,502	52.7%	187,142	10,226	5.5%	1,688	438	25.9%	862	88
White Pine	201	140	61	30.3%	3.90	32.8	527	245	46.5%	4,436	233	5.3%	59	3	5.1%	7	1
Unknown	4	3	1	25%	2.78	5.3	67	13	19.4%		15		1		0%	2	
	19,273	14,371	4,902	25.4%	3.57	195.0	46,997	25,250	53.7%	1,198,907	23,388	1.95%	4,683	931	19.9%	1559	421

*# Valid Tests and # Homes Tested: Data from the Nevada Radon Program's database of test results was combined with information provided from certified Radon Measurement and Mitigation Providers, as well as AccuStar Lab, Alpha Energy Laboratories, Pro Lab, Air Chek Inc., Nevada Division of Public and Behavioral Health-Radiation Control Program and the Washoe County District Health Department. The Household data is from 2014 Census data.

**# Test kits Distributed: includes only short- and long-term tests distributed by the Nevada Radon Education Program, Nevada Division of Public and Behavioral Health-Radiation Control Program, and the Washoe County District Health Department.

Nevada Radon Short-Term Test Results*

From 1989 to June 30, 2016

Nevada counties	Carson City		Churchill		Clark		Douglas		Elko		Esmeralda	
Total number of usable tests per county	1,584		424		2,692		3,698		362		3	
EPA Action Level	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0
No. of short-term radon test results	958	626	362	62	2,461	231	2,265	1,433	222	140	3	0
% of homes tested that have elevated radon levels	39.52%		14.62%		8.58%		38.75%		38.67%		sample size too small	

Nevada counties	Eureka		Humboldt		Lander		Lincoln		Lyon		Mineral	
Total number of usable tests per county	26		208		113		74		966		91	
EPA Action Level	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0
No. of short-term radon test results	18	8	136	72	94	19	50	24	688	278	53	38
% of homes tested that have elevated radon levels	30.77%		34.62%		16.81%		32.43%		28.78%		41.76%	

Nevada counties	Nye		Pershing		Storey		Washoe		White Pine		TOTALS	
Total number of usable tests per county	167		169		34		8,457		201		19,273	
EPA Action Level	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0	<4.0	≥4.0
No. of short-term radon test results	153	14	74	95	24	10	6,667	1,790	140	61	14,371	4,902
% of homes tested that have elevated radon levels	8.38%		56.21%		29.41%		21.17%		30.35%		25.43%	

*State data provided by the Nevada State Health Division, Nevada certified radon testers and the following labs: AccuStar Labs, Alpha Energy Laboratories, Air Chek, Inc. and Pro Lab. Results based on independently tested homes, not scientific sampling. When known, post-mitigation results are not included and usable results are valid tests, one per home, using an average of multiple tests from the lowest level of the home tested. (Schools & large buildings not included.)

Nevada Radon Long-Term Test Results**

From January 2001 to June 30, 2016

Nevada counties	Carson City	Churchill	Clark	Douglas	Elko	Humboldt	Lander	Lincoln	Lyon	Pershing	Washoe	White Pine	TOTALS
Total number of usable tests per county	62	6	40	130	10	4	1	3	37	3	263	8	567
EPA Action Level	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0	<4.0 ≥4.0
No. of long-term radon test results	26 36	6 0	33 7	94 36	6 4	3 1	0 1	2 1	30 7	2 1	195 68	6 2	403 164
% of homes tested that have high radon levels	58.1%	0%	17.5%	27.7%	40%	25.0%	100%	33%	18.9%	33.3%	25.9%	25.0%	28.92%

*Data for long-term results was cleaned for test results greater than the EPA protocol period, therefore, there are less results than last quarter.

**State data provided by RSSI, Alpha Energy Laboratories and AccuStar Labs. Results based on independently tested homes, not scientific sampling. When known, post-mitigation results are not included and usable results are valid tests, one per home, using an average of multiple tests from the lowest level of the home tested. (Schools & large buildings not included.)

Radon Zone Summaries

Nevada Radon Zone Short-Term Test Result Summary				
Zones	Counties	Total Tests	Tests > 4 pCi/l	% high radon
Zone 1	Carson City, Douglas, Eureka, Lander, Lincoln, Lyon, Mineral, Pershing, White Pine	6,922	2,582	37.30%
Zone 2	Churchill, Elko, Esmeralda, Humboldt, Nye, Storey, Washoe	9,655	2,088	21.63%
Zone 3	Clark	2,692	231	8.58%
Statewide statistics		19,273	4,902	25.43%

Nevada Radon Zone Long-Term Test Result Summary				
Zones	Counties	Total Tests	Tests > 4 pCi/l	% high radon
Zone 1	Carson City, Douglas, Eureka, Lander, Lincoln, Lyon, Mineral, Pershing, White Pine	244	84	34.43%
Zone 2	Churchill, Elko, Esmeralda, Humboldt, Nye, Storey, Washoe	283	73	25.80%
Zone 3	Clark	40	7	17.50%
Statewide statistics		567	164	28.92%



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