

Protect Your Loved Ones From Lung & Skin Cancer Caused By Radon Pumped Up From Long Island's Radioactive Aquifers

PRO-LAB

RADON GAS

RADON GAS TEST KIT

- Safe and Easy to Use
- Detects the Invisible and Odorless Gas
- Utilizes LABPRO 48 Technology

PROTECT YOUR FAMILY

Meets All EPA and State Requirements*

\$25 Lab Analysis Fee Required For Standard Lab Results*

*Additional \$10 fee required for NJ Residents. Standard Lab Results Within 1 Week After Receipt. Express Service Available for Real Estate Transactions (See Details Inside)

RADON GAS TEST KIT MODEL #RA148 Made in USA

IAC2 CERTIFIED

(a) 245 pCi/L of Radon in 2002 from 2003 Water Quality Report

Distribution Area 12

Range of Readings

	Low Value	High Value	Avg. Value	No. of Tests
Gross Alpha activity pCi/l	ND	ND	ND	11
Gross Beta activity pCi/l	ND	ND	ND	11
Cesium-137 pCi/l	NA	NA	NA	0
Lead-210 pCi/l	NA	NA	NA	0
Radon pCi/l	ND	245	ND	109

(b) 276 pCi/L of Radon in 2012 from www.scwa.com

Naturally Occuring Compounds as well as Distribution Area 12

Detected Compound	Unit of Measure	MCL	MCL.G	Range of Readings			
				Low Value	High Value	Avg. Value	No. of Tests
Radioactivity							
Gross Alpha activity	pCi/L	15	0	ND	ND	ND	65
Gross Beta activity	pCi/L	50	0	ND	ND	ND	65
Radon	pCi/L	n/a	0	ND	276.0	ND	16
Radium-228	pCi/L	5	0	ND	ND	ND	10

Fig. 1: For over a decade the SCWA has been serving radioactive water to 32 villages in Area 12: Bohemia, Brentwood, Brookhaven, Centereach, Central Islip, Deer Park, East Yaphank, Edgewood Heartland Ind. Park, Farmingville, Holbrook, Holtsville, Islandia, Lake Grove, Lakeland, Laurel, Manorville, Medford, Middle Island, Nesconset, Nissequoque, North Great River, North Patchogue, Ronkonkoma, Smithtown, South Hauppauge, South Yaphank, Village of the Branch, West Saint James, West Yaphank, Wheatley Heights, Yaphank. See dozens of Radioactivity tables for other areas @ www.gfxtechnology.com/Radon.html

Why Radon Is So Deadly

- Radon is a radioactive gas that changes into a radioactive solid (Polonium) by emitting Helium nuclei (a/k/a Alpha particles).
- Fig. 1(a) indicates a liter of Radon-contaminated shower-water released 544 Alpha particles per minute to the air in 2002.
 - How many minutes does your shower run each day?
- It only takes one Alpha particle to damage the DNA in a cell. If damaged cells can't be repaired, they can mutate into cancer cells.
 - How many Alpha particles a day do you inhale? Drink?

EPA Officials Estimate Risks of Cancers They Cause

- Figure 1 shows obvious violations of the Safe Drinking Water Act because they show no Gross Alpha activity for Radon or its Alpha-emitting daughters, although Radon concentrations were over 16 times the EPA's Gross Alpha MCL for over a decade.
- EPA officials have ignored these violations for at least a decade.
- Cancer Risk tables in the EPA's Citizen's Guide to Radon paint a dismal picture for people showering in Area 12; where typical, 10-liter per minute (LPM) showers bombarded unsuspecting residents with between 5,439 to 6,127 Alpha particles per minute for a decade.
 - Radon's lung-cancer risk from inhaling only 9 Alpha particles a minute (12,787 a day) is equivalent to smoking 20 cigarettes a day and could give 1 in 142 non-smokers lung cancer; 1 in 16 smokers.
 - Similarly, inhaling 22 Alpha particles per minute (31,680/day) from 10 pCi/L of Radon can result in a lung-cancer rate of 1 in 7 smokers and 1 in 55 non-smokers; comparable to current Melanoma skin cancer rates of 1 in 55 -- up from 1 in 1,500 since 1935.
 - How many people you know had both Skin & Lung Cancer?

SURGEON GENERAL HEALTH ADVISORY

"Indoor radon is the second-leading cause of lung cancer in the United States and breathing it over prolonged periods can present a significant health risk to families all over the country. It's important to know that this threat is completely preventable. Radon can be detected with a simple test and fixed through well-established venting techniques." (1/05)

- But the Surgeon General failed to point the finger at EPA officials that have excluded Radon from its Radionuclides Rule of 1976 thereby causing thousands of "preventable" deaths for 38 years.
- To make matters worse, in 2013, EPA Chief Giardina lied to a NEWS12 *What's in the Water* reporter by writing: "On Long Island where uranium, and radium and radon in the ground is low, radon in water borders on being inconsequential".

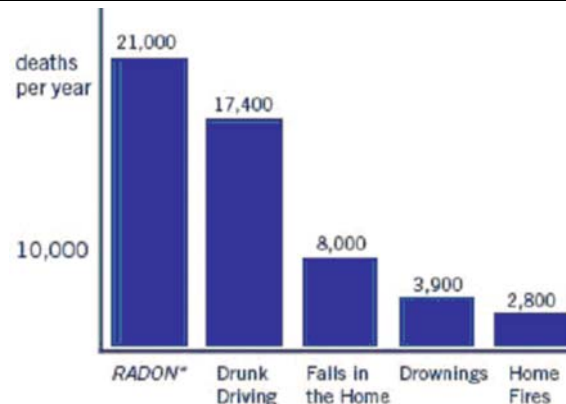


Fig. 2: EPA graph indicates RADON caused 21,000 deaths per year in 2005; compared to 17,400 for Drunk Driving --- yet mothers are not MADD about RADON poisoning their children. (See risk tables in Citizen's Guide to Radon @ www.epa.gov/radon/pubs/citguide.html)

Another fact concealed by EPA, NY Health Officials, Politicians & County Executive Bellone's Facebook page: ● In 1990 Nassau County was ranked 30th out of 52 NYS counties by the NYSDOH in its *REPORT OF STATEWIDE SURVEILLANCE FOR RADON IN SELECTED COMMUNITY WATER SYSTEMS, NEW YORK STATE 1989 - 1990*, yet not one recommendation was enacted.

(Download report from www.gfxtechnology.com/1990-Rn.pdf)



Shower, Breathe,
Bathe At Your Own
Risk On Long Island
Then Pray Your
Cancer-Odds Are
Less Than
1 in 7 to 1 in 142

Lung Cancer Screening Program

EARLY DETECTION CAN SAVE LIVES

Lung cancer is the leading cause of death from cancer for men and women in the U.S. The good news is that lung cancer found in its earliest stage has an 80 percent cure rate.



Stony Brook's Lung Cancer Evaluation Center offers a low-dose radiation chest computed tomography (CT) scan for high-risk patients. We encourage those who smoke or are former smokers to learn if they qualify for this screening.

QUALIFICATIONS FOR THIS SCREENING PROGRAM

- * You are between the ages 55 to 80 and are either a current smoker or a former smoker who quit within the past 15 years, and have a history of smoking an equivalent to a pack a day for 30 years or two packs a day for 15 years
- OR
- * You smoked a pack a day for 20 years, are between the ages 55 to 80, and have one additional risk factor, such as radon exposure, occupational exposure, lung disease, history of cancer or family history of lung cancer



Stony Brook Cancer Center
cancer.stonybrookmedicine.edu (631) 444-2981

Table B: [HURTIN BLVD](#) -- 3 wells: [S-34733](#), [S-32287](#), [S-47673](#) in Smithtown in [2001](#); Serving Area 12 in [2002 & 2011](#)

Component	Low Value	High Value	Avg. Value	Number of Tests
Gross Alpha Activity pCi/l	NA	NA	NA	0
Gross Beta Activity pCi/l	NA	NA	NA	0
Cesium-137 pCi/l	NA	NA	NA	0
Lead-210 pCi/l	NA	NA	NA	0
Radon	216	216 233 in 2011	216	1

Radon Causes Skin Cancer Too

RESULTS: No association was observed between mean postcode sector radon concentration and either malignant melanoma or basal cell carcinoma registration rates. However, sectors with higher radon levels had higher squamous cell carcinoma registration rates, with evidence of an exposure-response relationship.

CONCLUSIONS: This ecologic study suggests that environmental radon exposure may be a risk factor for squamous cell carcinoma. Further study is warranted to overcome ecologic design limitations and to determine whether this relationship is generalizable to national and international settings.

[1] *Radon and skin cancer in southwest England: an ecologic study*, by Wheeler BW1, et al. [1/23/12] @ <http://www.ncbi.nlm.nih.gov/pubmed/22081061>

RADON RISK FACTOR

(www.gfxtechnology.com/LCFS.pdf)

← Stony Brook's Lung Cancer Screening Program will exclude many patients unless they can prove exposure to Radon as an additional risk factor. To help qualify, radioactive test results for [142 radioactive wells](#) in [21 Well Fields](#) in [17 SCWA Distribution Areas](#) (1B, 5, 6, 8, 9, 10, 11, 12, 15, 18, 20, 21, 23, 26, 30, 35, CHWD) can be found @ www.gfxtechnology.com/Radon.html.

In 2000 the [HURTIN BLVD](#) well field served Smithtown; in 2002 it served radioactive water to SCWA Distribution Area 12 serving: **Bohemia, Brentwood, Brookhaven, Centereach, Central Islip, Deer Park, East Yaphank, Edgewood Heartland Ind. Park, Farmingville, Holbrook, Holtsville, Islandia, Lake Grove, Lakeland, Laurel, Manorville, Medford, Middle Island, Nesconset, Nissequogue, North Great River, North Patchogue, Ronkonkoma, Smithtown, South Hauppauge, South Yaphank, Village of the Branch, West Saint James, West Yaphank, Wheatley Heights, Yaphank.**

Table A from the SCWA's [2003 Annual Water Quality Report \(AWQR\)](#) shows huge amounts of Radon, an Alpha emitter, but NO Gross Alpha activity from Radon's progeny. It's one of hundreds of false water quality reports filed with the NYSDOH.



Distribution Area 12

Range of Readings
Low Value High Value Avg. Value No. of Tests

Gross Alpha activity pCi/l	ND	ND	ND	11
Gross Beta activity pCi/l	ND	ND	ND	11
Cesium-137 pCi/l	NA	NA	NA	0
Lead-210 pCi/l	NA	NA	NA	0
Radon pCi/l	ND	245	ND	109

Table A: Fraudulent Table from [2003 AWQR](#) shows **245 pCi/L** Alpha activity from Radon, but NO Alpha activity from Radon progeny

Table C: [LIBERTY ST](#) -- 3 wells: [S-30117](#), [S-30118](#), [S-53850](#) in Hauppauge in [2001](#); Serving Area 12 in 2002

Component	Low Value	High Value	Avg. Value	Number of Tests
Gross Alpha activity pCi/l	NA	NA	NA	0
Gross Beta Activity pCi/l	NA	NA	NA	0
Cesium-137 pCi/l	NA	NA	NA	0
Lead-210 pCi/l	NA	NA	NA	0
Radon pCi/l	ND	280	219	4

Lung Cancer Screening

§ Your doctor probably never read water quality reports like those in Tables B & C because the SCWA never posted them on their website (www.scwa.com).

§ To make matter worse, neither the EPA nor NYSDOH set a Maximum Contaminant Level (MCL) for common radioisotopes of Radon (Rn-219/220/222) -- the 2nd leading cause of Lung Cancer; **"the leading cause of death from cancer for men and women in the U.S."**

§ Tables A & C show huge amounts of Radon; far above far above Vermont's Radon action level of 5 picocuries per liter (pCi/L) of residential well water and the 200 pCi/L MCL proposed by the EPA for Radon-222 over 2 decades ago, as discussed in the 1990 NYS *"Report of Statewide Surveillance for Radon..."* @ www.gfxtechnology.com/1990-Rn.pdf.

§ If you want to be screened for Lung Cancer before it reaches Stage 4, show your doctor the above tables from www.gfxtechnology.com/Radon.html, which has a link to Lung Cancer Fact Sheets like this one @ www.gfxtechnology.com/LCFS.pdf.