United States Department of Agriculture
Agricultural Research Service
Pacific West Area
U.S. Water Conservation Lab.
4331 E. Broadway Rd.
Phoenix, AZ 85040
(602) 379-4356 (Comm)
(602) 261-4356 (FTS)
FAX: (602) 379-4355 (Comm)
(602) 261-4355

25 May 1990

SUBJECT: Radon Monitoring Report

TO: Alvin Humphrey, Safety & Health Manager
USDA-ARS, Pacific West Area
Albany, CA 94710

FROM: B. A. Rasnick, Safety Officer
USDA-ARS, U.S. Water Conservation Lab.
Phoenix, AZ 85040

As required, we set devices for monitoring radon gas at the U. S. Water Conservation Laboratory on 8 February 1990. The devices were sent to Tech/Ops Landauer, Inc., for analysis on 9 May 1990.

A copy of their report is enclosed for your information.

Enclosure

cc:
A. R. Dedrick

OSWCL

Radon Monitoring Report

Tech/Ops Landauer, Inc.
Radon Detection Products
2 Science Road
Glenwood, Illinois 60425-1586
Telephone (708) 755-7000

US WATER LAB
RASNICK
4331 E BROADWAY
PHOENIX AZ
85040

YOUR STATE AGENCY:
RAD REGULATORY AGENCY
(602) 255-4845

Detector Number	Detector Type	Starting Date	Ending Date	Days	Location	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	Note
1637933	RADTRAK	02/08/90	05/09/90	90	OTHER		0.9	[illegible] CONF. RM
1637934	RADTRAK	02/08/90	05/09/90	90	OTHER		0.4	SHOP
1637935	RADTRAK	02/08/90	05/09/90	90	OTHER		0.6	OFFICE 2nd
1637973	RADTRAK	02/08/90	05/09/90	90	OTHER		** 0.3	OFF. [illegible] 8
1637974	RADTRAK	02/08/90	05/09/90	90	OTHER		** 0.3	SEED HS.
1637975	RADTRAK	02/08/90	05/09/90	90	OTHER		0.7	LYS. LAB
①	②	③	④	⑤	⑥	⑦	⑧	⑨

** - LESS THAN INDICATED VALUE

	Process No.	Date Recd.	Report Date	Acct. No.
KSR	408357	05/14/90	05/21/90	0400409

KEEP THIS DOCUMENT WITH YOUR IMPORTANT PAPERS
— SEE OTHER SIDE FOR IMPORTANT INFORMATION —

Radon Monitoring Report

Tech/Ops Landauer,
Radon Detection Products
2 Science Road
Glenwood, Illinois 60425-1
Telephone (708) 755-7000

US WATER LAB
RASNICK
4331 E BROADWAY
PHOENIX AZ
85040

YOUR STATE AGENCY:
RAD REGULATORY AGENCY
(602) 255-4845

Detector Number	Detector Type	Starting Date	Ending Date	Days	Location	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	Note
1263963	RADTRAK	02/08/90	05/09/90	90	OTHER		1.0	LA
1263964	RADTRAK	02/08/90	05/09/90	90	OTHER		0.6	office
1263965	RADTRAK	02/08/90	05/09/90	90	OTHER		1.3	office
①	②	③	④	⑤	⑥	⑦	⑧	⑨

	Process No.	Date Recd.	Report Date	Acct. No.
KSR	A08392	05/15/90	05/21/90	0400409

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To Owen
5/24/90

Radon Monitoring Report

Tech/Ops Landauer, Inc.
Radon Detection Products
2 Science Road
Glenwood, Illinois 60425-1586
Telephone (708) 755-7000

RASNICK
US WATER LAB
4331 E BROADWAY
PHOENIX AZ
85040

YOUR STATE AGENCY:
RAD REGULATORY AGENCY
(602) 255-4845

Detector Number	Detector Type	Starting Date	Ending Date	Days	Location	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	Note
1637930	RADTRAK	02/08/90	05/09/90	90	OTHER		0.7	LRB
1637931	RADTRAK	02/08/90	05/09/90	90	OTHER		1.7	HYD. LAB
1637932	RADTRAK	02/08/90	05/09/90	90	OTHER		** 0.3	OFF
①	②	③	④	⑤	⑥	⑦	⑧	⑨

** - LESS THAN INDICATED VALUE

	Process No.	Date Recd.	Report Date	Acct. No.
KSR	A08357	05/14/90	05/21/90	0400409

KEEP THIS DOCUMENT WITH YOUR IMPORTANT PAPERS
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Radon Monitoring Report

Tech/Ops Landauer
Terradex
Radon Detection Products
Tech/Ops Landauer, Inc.
2 Science Road
Glenwood, Illinois 60425-1566

USDA ARS
WESTERN COTTON RESEARCH LAB
4135 EAST BROADWAY
PHOENIX AZ
85040

YOUR STATE AGENCY:
RAD REGULATORY AGENCY
(602) 255-4845

Detector Number	Detector Type	Starting Date	Ending Date	Days	Location	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	Note
1637927	RADTRAK	02/20/90	05/22/90	91	OTHER		0.7	
1637928	RADTRAK	02/20/90	05/22/90	91	OTHER		1.1	
1637929	RADTRAK	02/20/90	05/22/90	91	OTHER		** 0.3	
1637940	RADTRAK	02/20/90	05/22/90	91	OTHER		** 0.3	
1637941	RADTRAK	02/20/90	05/22/90	91	OTHER		** 0.3	
1637961	RADTRAK	02/20/90	NOT GIVEN		OTHER			NE
1637962	RADTRAK	02/20/90	05/22/90	91	OTHER		** 0.3	
1637963	RADTRAK	02/20/90	05/22/90	91	OTHER		** 0.3	
1637964	RADTRAK	02/20/90	05/22/90	91	OTHER		0.8	
①	②	③	④	⑤	⑥	⑦	⑧	⑨

* * * C O N T I N U E D * * *

* - EXPOSURE LESS THAN 30 PCI/L-DAYS, THE MIN SENSITIVITY OF THIS DETECTOR
** - LESS THAN INDICATED VALUE NE - NO END DATE PROVIDED

Radon Monitoring Report

Tech/Ops Landauer
Terradex
Radon Detection Products
Tech/Ops Landauer, Inc.
2 Science Road
Glenwood, Illinois 60425-1586

USDA ARS
WESTERN COTTON RESEARCH LAB
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PHOENIX AZ
85040

YOUR STATE AGENCY:
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Detector Number	Detector Type	Starting Date	Ending Date	Days	Location	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	Note
1637966	RADTRAK	02/20/90	05/22/90	91	OTHER		1.1	
1637976	RADTRAK	02/20/90	05/22/90	91	BASEMENT		1.3	
1637977	RADTRAK	02/20/90	05/22/90	91	OTHER		** 0.3	
1637978	RADTRAK	02/20/90	05/22/90	91	OTHER		** 0.3	
①	②	③	④	⑤	⑥	⑦	⑧	⑨

Radon Monitoring Report

Tech/Ops Landauer
Terradex
Radon Detection Products
Tech/Ops Landauer, Inc.
2 Science Road
Glenwood, Illinois 60425-1586

[illegible]
[illegible] COTTON RESEARCH LAB
[illegible] EAST BROADWAY
PHOENIX AZ
85040

YOUR STATE AGENCY
RAD REGULATORY AGENCY
(602) 255-4845

Detector Number	Detector Type	Starting Date	Ending Date	Days	Location	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	Note
1637939	RADTRAK	05/20/90	05/22/90	2	NO LOC GIVEN		** 0.3	
1637985	RADTRAK	05/20/90	05/22/90	2	OTHER		1.6	
①	②	③	④	⑤	⑥	⑦	⑧	⑨

** [illegible] THAN INDICATED VALUE

RADON DETECTORS
STARTING DATE: 2-20-90
ENDING DATE: 5-21-90

NUMBER	LOCATION		Avg. Radon Conc. pCi/I
1637927	LAB EAST	REAVES	0.7
1637928	LAB 23-EAST	WILSON	1.1
1637929	HEADHOUSE		0.3**
1637939	OFFICE 1-WEST	REEGA	0.3**
1637940	OFFICE 2-WEST	NO. 27	0.3**
1637941	BREAKROOM		0.3**
1637961	OFFICE 1-EAST	TELLEZ	NE
1637962	OFFICE 2-EAST	NO. 10	0.3**
1637963	RECEPTIONIST		0.3**
1637964	LAB 23-WEST	MARTIN	0.8
1637965	LAB 16-WEST	DOBRATZ	1.6
1637966	GENETICS-1	LEWIS	1.1
1637976	GENETICS-2	HUNTER	1.3
1637977	REARING-1		0.3
1637978	REARING-2		0.3**

** less than indicated value
NE no end date provided

Below 4 pCi/I: Exposures in this range are considered average or slightly above average for residential structures. Although exposures in this range do present some risk of lung cancer, reductions of this level may be difficult.