

MEMORANDUM FOR RECORD

SUBJECT: Radon Survey Conducted at 516 Sherman Court.

1. Survey Equipment

- a. Sun Nuclear Model 1028
Serial Number: 59237175
Calibration Due Date: 25 Nov 13
- b. Sun Nuclear Model 1028
Serial Number: 59237181
Calibration Due Date: 25 Nov 13

2. A radon survey was conducted at 516 Sherman Court from 14 Nov 13 – 21 Nov 13 after the installation of an active radon mitigation system. Radon detectors were placed on the basement level and the first floor. Hourly measurements were recorded using the radon detectors listed above.

3. The average radon levels recorded during the survey were 0.7 picoCuries per Liter (pCi/L) in the basement and 0.5 pCi/L on the first floor.

4. The result of the survey is below the U.S. Environmental Protection Agency action level of 4 pCi/L. The radon mitigation system significantly lowered the radon levels to below the recommended action level. Periodic testing of the radon levels should occur at least every 5 years.

5. Team Tobyhanna - Excellence in Electronics!



Noah B. Stagliano
Health Physicist, Safety Division

Encl

Tobytanna Army Depot
11 Har Arnold Blvd

Tobytanna
PA
18466
570-615-7028
Sun Nuclear Model: 1026 CRM
Serial Number: 59237181
Calibration Date: 11/30/2012
Correction Fact: 2.57259

Start Date/Time: 11/14/2013 12:44
End Date/Time: 11/21/2013 12:44
Time Delay: 0.0

-----11/17/2013-----

TIME	CNT	M	TIME	CNT	M	TIME	CNT	M
hh:mm	pCi/l		hh:mm	pCi/l		hh:mm	pCi/l	
00:44	0.8		01:44	1.2		02:44	0.4	
03:44	0.0		04:44	1.6		05:44	0.4	
06:44	0.4		07:44	0.8		08:44	0.8	
09:44	0.0		10:44	0.4		11:44	0.0	
12:44	1.9		13:44	1.6		14:44	0.8	
15:44	0.4		16:44	0.0		17:44	0.4	
18:44	0.0		19:44	0.4		20:44	0.0	
21:44	0.4		22:44	0.4		23:44	0.0	

-----11/18/2013-----

TIME	CNT	M	TIME	CNT	M	TIME	CNT	M
hh:mm	pCi/l		hh:mm	pCi/l		hh:mm	pCi/l	
00:44	0.0		01:44	1.2		02:44	0.4	
03:44	0.8		04:44	0.0		05:44	0.4	
06:44	0.0		07:44	0.4		08:44	0.4	
09:44	0.0		10:44	1.2		11:44	0.4	
12:44	0.0		13:44	0.0		14:44	0.0	
15:44	0.4		16:44	0.0		17:44	0.0	
18:44	0.0		19:44	1.2		20:44	0.8	
21:44	1.6		22:44	0.4		23:44	0.4	

-----11/14/2013-----

TIME	CNT	M	TIME	CNT	M	TIME	CNT	M
hh:mm	pCi/l		hh:mm	pCi/l		hh:mm	pCi/l	
13:44	0.0		14:44	0.0		15:44	0.8	
16:44	0.8		17:44	1.2		18:44	0.0	
19:44	0.8		20:44	1.6		21:44	1.9	
22:44	0.8		23:44	0.0				

-----11/15/2013-----

TIME	CNT	M	TIME	CNT	M	TIME	CNT	M
hh:mm	pCi/l		hh:mm	pCi/l		hh:mm	pCi/l	
00:44	0.8		01:44	0.4		02:44	0.0	
03:44	1.6		04:44	1.2		05:44	0.8	
06:44	1.6		07:44	0.4		08:44	1.2	
09:44	1.2		10:44	0.4		11:44	0.8	
12:44	1.2		13:44	1.2		14:44	1.6	
15:44	1.2		16:44	0.0		17:44	0.8	
18:44	0.0		19:44	0.8		20:44	0.0	
21:44	0.4		22:44	1.9		23:44	0.4	

-----11/16/2013-----

TIME	CNT	M	TIME	CNT	M	TIME	CNT	M
hh:mm	pCi/l		hh:mm	pCi/l		hh:mm	pCi/l	
00:44	0.4		01:44	0.8		02:44	0.8	
03:44	0.4		04:44	0.0		05:44	0.8	
06:44	0.0		07:44	1.6		08:44	1.2	
09:44	0.4		10:44	0.4		11:44	0.0	
12:44	0.8		13:44	0.4		14:44	0.0	
15:44	0.8		16:44	1.2		17:44	0.8	
18:44	0.0		19:44	0.0		20:44	0.4	
21:44	1.2		22:44	0.4		23:44	0.8	

-----11/19/2013-----

TIME	CNT	M	TIME	CNT	M	TIME	CNT	M
hh:mm	pCi/l		hh:mm	pCi/l		hh:mm	pCi/l	
00:44	0.8		01:44	0.0		02:44	0.4	
03:44	0.0		04:44	0.0		05:44	0.0	
06:44	0.0		07:44	0.0		08:44	0.4	
09:44	0.4		10:44	0.4		11:44	0.4	
12:44	0.0		13:44	0.4		14:44	0.0	
15:44	0.0		16:44	0.0		17:44	0.0	
18:44	0.4		19:44	0.0		20:44	0.4	
21:44	0.0		22:44	0.0		23:44	0.0	

-----11/20/2013-----

TIME	CNT	M	TIME	CNT	M	TIME	CNT	M
hh:mm	pCi/l		hh:mm	pCi/l		hh:mm	pCi/l	
00:44	0.8		01:44	0.8		02:44	0.8	
03:44	0.4		04:44	1.2		05:44	0.4	
06:44	0.4		07:44	0.8		08:44	0.4	
09:44	1.2		10:44	0.4		11:44	0.4	
12:44	0.0		13:44	0.4		14:44	1.6	
15:44	0.0		16:44	0.4		17:44	0.4	
18:44	0.0		19:44	1.2		20:44	0.8	
21:44	0.4		22:44	0.4		23:44	0.0	

-----11/21/2013-----

TIME	CNT	M	:	TIME	CNT	M	:	TIME	CNT	M
hh:mm	fCi/l		:	hh:mm	fCi/l		:	hh:mm	fCi/l	
00:44	0.0		:	01:44	0.0		:	02:44	0.8	
03:44	0.4		:	04:44	0.0		:	05:44	0.0	
06:44	0.4		:	07:44	0.4		:	08:44	0.4	
09:44	1.2		:	10:44	0.8		:	11:44	0.4	
12:44	0.8		:				:			

-----END-----

Elapsed Time: 007 days 00 hrs 00 mins
Overall Avg: 0.5
EPA Avg: 0.5

Test Performed For:

516 Sherman Ct.
First Floor

Tobhanna Army Depot
 11 Nap Arnold Blvd
 Tobyhanna
 PA
 18466
 570-615-7028
 Sun Nuclear Model: 1028 CFM
 Serial Number: 59237175
 Calibration Date: 11/30/2012
 Correction Fact1: 2.58720

Start Date/Time: 11/14/2013 12:57
 End Date/Time: 11/21/2013 12:57
 Time Delay: 0.0

-----11/14/2013-----

TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M
13:57	0.0	M	14:57	0.0		15:57	0.0	
16:57	0.0		17:57	0.8		18:57	0.4	
19:57	0.4		20:57	1.5		21:57	0.8	
22:57	0.8		23:57	0.4				

-----11/15/2013-----

TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M
00:57	0.0		01:57	2.3		02:57	1.2	
03:57	1.2		04:57	0.4		05:57	0.0	
06:57	1.5		07:57	0.8		08:57	0.8	
09:57	0.0		10:57	0.8		11:57	1.5	
12:57	0.0		13:57	0.8		14:57	0.4	
15:57	1.9		16:57	0.8		17:57	1.2	
18:57	0.8		19:57	0.4		20:57	1.2	
21:57	1.9		22:57	0.4		23:57	0.4	

-----11/16/2013-----

TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M
00:57	0.4		01:57	0.4		02:57	0.4	
03:57	0.8		04:57	1.9		05:57	0.4	
06:57	0.8		07:57	0.4		08:57	0.8	
09:57	0.0		10:57	0.0		11:57	0.4	
12:57	0.4		13:57	1.9		14:57	0.8	
15:57	0.8		16:57	1.9		17:57	1.5	
18:57	0.8		19:57	0.4		20:57	1.2	
21:57	0.0		22:57	1.9		23:57	0.8	

-----11/17/2013-----

TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M
00:57	0.8		01:57	1.5		02:57	0.8	
03:57	0.0		04:57	1.2		05:57	0.4	
06:57	0.4		07:57	0.0		08:57	0.8	
09:57	0.8		10:57	0.8		11:57	0.4	
12:57	0.0		13:57	0.4		14:57	0.4	
15:57	0.8		16:57	0.8		17:57	0.8	
18:57	0.4		19:57	0.4		20:57	0.8	
21:57	0.0		22:57	0.0		23:57	0.8	

-----11/18/2013-----

TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M
00:57	0.8		01:57	0.0		02:57	0.4	
03:57	0.4		04:57	0.0		05:57	0.0	
06:57	0.4		07:57	1.5		08:57	0.8	
09:57	0.0		10:57	0.0		11:57	0.8	
12:57	0.8		13:57	0.8		14:57	0.4	
15:57	1.2		16:57	1.5		17:57	1.5	
18:57	0.8		19:57	1.2		20:57	0.8	
21:57	0.4		22:57	0.8		23:57	0.8	

-----11/19/2013-----

TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M
00:57	0.4		01:57	1.2		02:57	0.8	
03:57	0.4		04:57	0.0		05:57	0.4	
06:57	0.0		07:57	0.8		08:57	0.8	
09:57	0.8		10:57	0.0		11:57	0.0	
12:57	0.8		13:57	0.4		14:57	0.0	
15:57	0.4		16:57	0.0		17:57	0.4	
18:57	0.8		19:57	0.8		20:57	0.4	
21:57	0.8		22:57	0.4		23:57	0.8	

-----11/20/2013-----

TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M	TIME hh:mm	CNT pCi/l	M
00:57	1.5		01:57	2.3		02:57	1.2	
03:57	1.9		04:57	0.8		05:57	3.1	
06:57	0.8		07:57	0.8		08:57	0.4	
09:57	1.2		10:57	1.5		11:57	1.5	
12:57	0.0		13:57	0.4		14:57	0.4	
15:57	0.8		16:57	0.0		17:57	0.8	
18:57	1.2		19:57	0.8		20:57	0.4	
21:57	1.5		22:57	0.8		23:57	0.4	

-----11/21/2013-----

TIME	CNT	M	:	TIME	CNT	M	:	TIME	CNT	M
hh:mm	fCi/l		:	hh:mm	fCi/l		:	hh:mm	fCi/l	
00:57	0.4		:	01:57	0.4		:	02:57	0.8	
03:57	0.0		:	04:57	0.4		:	05:57	0.8	
06:57	0.4		:	07:57	0.8		:	08:57	0.0	
09:57	0.8		:	10:57	1.2	M	:	11:57	0.8	
12:57	0.8		:				:			

-----END-----

Elapsed Time: 007 days 00 hrs 00 mins
Overall Avg: 0.7
EPA Avg: 0.7

Test Performed For:

516 Sherman Ct.

Basement