Radon Monitoring Report

REDACTED VERSION

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l
4782868	DRNT	28-FEB-11	14-NOV-11	BV0109-01-B indoor	105.3 ±7.5	0.4 ±0.03
4782892	DRNT	09-NOV-10	10-NOV-11	BV0146-01-B in	190.1 ±11.3	0.5 ±0.03
4782904	DRNT	09-MAR-11	15-NOV-11	MA0047-01-B in	135.3 ±9.0	0.5 ±0.04
4782918	DRNT	11-JAN-11	15-NOV-11	PV0004-02-B in	319.2 ±15.9	1.0 ±0.05
4782935	DRNT	02-NOV-10	15-NOV-11	PV0072-01-B in	526.4 ±21.5	1.4 ±0.06
4782953	DRNT	02-JAN-10	15-NOV-11	PV0030-01-B in	624.1 ±23.7	0.9 ±0.03
4782972	DRNT	21-OCT-10	15-NOV-11	PV0034-01-B in	235.8 ±13.1	0.6 ±0.03
4788291	DRNF	15-OCT-10	14-NOV-11	BV0137-01-B in	371.9 ±17.4	0.9 ±0.04
4831373	DRN	08-AUG-11	14-NOV-11	VV0016-04-A-NTH in	226.4 ±12.6	2.3 ±0.13
4831401	DRN	08-AUG-11	14-NOV-11	VV0016-04-D-NTH out	100.3 ±7.4	1.0 ±0.08
①	②	③	④	⑤	⑥	⑦

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22333	29-NOV-11	17-NOV-11

9797244

The United States Environmental Protection Agency recommends fixing your home if the results of one long-term test or the average of two short-term tests taken in the lowest lived-in level of the home show radon levels of 4.0 pCi/l or higher. A short term test remains in your home for two days to 90, days, whereas a long-term test remains in your home for more than 90 days under these guidelines.

Column 7 on the front of this report indicates the radon test result, i.e., the average radon concentration in pCi/l for the test period. If you did not provide us the starting and ending dates (days the detector was exposed) we are unable to calculate the average radon concentration. To calculate the average radon concentration, divide the total exposure in pCi/l-days (column 6) by the number of days the detector was exposed.

For more information about the interpretation of your test result or about other radon related issues we suggest you contact your state radon office. Your state radon office should have available the following EPA publications:

- A Citizen's Guide to Radon
- Home Buyer's and Seller's Guide to Radon
- Consumer's Guide to Radon Reduction

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LANDAUER®

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586 Telephone: (800) 528-8327 Facsimile: (708) 755-7048

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4831452	DRN	08-AUG-11	14-NOV-11	VV0016-04-C-NTH in	245.7 ±13.3	2.5 ±0.14	
4832803	DRNT	09-AUG-11	15-NOV-11	BV0141-04-E out	34.6 ±3.30	0.4 ±0.03	
4832824	DRNT	08-AUG-11	14-NOV-11	VV0016-04-A in	206.8 ±12.0	2.1 ±0.12	
4832848	DRNT	02-AUG-11	14-NOV-11	* - LESS THAN INDICATED VALUE BV0137-04-D out	* 30.0	* 0.3 ±0.03	
4832851	DRNT	02-AUG-11	10-NOV-11	BV0146-04-A in	50.2 ±4.46	0.5 ±0.04	
4832853	DRNT	08-AUG-11	15-NOV-11	MA0046-03-F in	62.2 ±5.26	0.6 ±0.05	
4832861	DRNT	02-AUG-11	10-NOV-11	* - LESS THAN INDICATED VALUE BV0146-04-D out	* 30.0	* 0.3 ±0.03	
4832863	DRNT	02-AUG-11	14-NOV-11	BV0137-04-A in	58.5 ±5.02	0.6 ±0.05	
4832892	DRNT	02-AUG-11	14-NOV-11	BV0137-04-C in	57.6 ±4.96	0.6 ±0.05	
4832901	DRNT	03-AUG-11	15-NOV-11	* - LESS THAN INDICATED VALUE PV0034-04-D out	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832909	DRNT	02-AUG-11	10-NOV-11	BV0146-04-C in	43.8 ±4.00	0.4 ±0.04	
4832917	DRNT	08-AUG-11	14-NOV-11	* - LESS THAN INDICATED VALUE VV0061-04-D out	* 30.0	* 0.3 ±0.03	
4832927	DRNT	03-AUG-11	15-NOV-11	PV0034-04-A in	70.5 ±5.77	0.7 ±0.06	
4832942	DRNT	04-AUG-11	14-NOV-11	VV0043-04-A in	279.8 ±14.5	2.7 ±0.14	
4832974	DRNT	22-JUN-11	15-NOV-11	PV0030-03-C in	118.5 ±8.4	0.8 ±0.06	
4833020	DRNT	22-JUN-11	15-NOV-11	PV0030-03-A in	98.2 ±7.34	0.7 ±0.05	
4846037	DRNT	06-AUG-11	14-NOV-11	VV0040-04-A in	334.8 ±16.5	3.3 ±0.16	
4846042	DRNT	13-AUG-11	15-NOV-11	PV0033-04-C in	74.5 ±6.46	0.8 ±0.07	
4846069	DRNT	05-AUG-11	15-NOV-11	PV0008-04-D out	48.0 ±4.71	0.5 ±0.05	
4846076	DRNT	05-AUG-11	14-NOV-11	* - LESS THAN INDICATED VALUE FA0187-04-D in	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846077	DRNT	04-AUG-11	14-NOV-11	VV0043-04-D	45.2 ±4.50	0.4 ±0.04	
4846080	DRNT	08-AUG-11	15-NOV-11	MA0046-04-A	169.3 ±11.0	1.7 ±0.11	
4846091	DRNT	05-AUG-11	15-NOV-11	PV0008-04-A	124.1 ±9.1	1.2 ±0.09	
4846118	DRNT	08-AUG-11	14-NOV-11	VV0016-04-D	40.7 ±4.15	0.4 ±0.04	
4846121	DRNT	06-AUG-11	14-NOV-11	VV0040-04-C	332.0 ±16.4	3.3 ±0.16	
4846130	DRNT	08-AUG-11	15-NOV-11	MA0047-02-A	78.2 ±6.68	0.8 ±0.07	
4846141	DRNT	08-AUG-11	14-NOV-11	VV0061-04-A	563.3 ±22.0	5.7 ±0.22	
4846148	DRNT	08-AUG-11	15-NOV-11	MA0046-04-E	51.7 ±4.97	0.5 ±0.05	
4846157	DRNT	12-AUG-11	14-NOV-11	PV0027-04-D	31.5 ±3.40	0.3 ±0.04	
4846160	DRNT	05-AUG-11	14-NOV-11	FA0187-04-A	289.0 ±15.1	2.9 ±0.15	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846222	DRNT	08-AUG-11	15-NOV-11	MA0046-04-C	185.0 ±11.6	1.9 ±0.12	
4846242	DRNT	12-AUG-11	14-NOV-11	* - LESS THAN INDICATED VALUE PV0026-04-D	* 30.0	* 0.3 ±0.04	
4846244	DRNT	09-AUG-11	15-NOV-11	PV0004-04-A	116.8 ±8.7	1.2 ±0.09	
4846267	DRNT	10-AUG-11	15-NOV-11	PV0072-04-D	43.4 ±4.36	0.4 ±0.04	
4846270	DRNT	09-AUG-11	15-NOV-11	PV0004-04-E	31.5 ±3.40	0.3 ±0.03	
4846274	DRNT	09-AUG-11	15-NOV-11	PV0012-04-D	51.7 ±4.97	0.5 ±0.05	
4846315	DRNT	12-AUG-11	14-NOV-11	PV0026-04-A	122.3 ±9.0	1.3 ±0.10	
4846318	DRNT	09-AUG-11	15-NOV-11	BV0141-04-D	55.3 ±5.23	0.6 ±0.05	
4846321	DRNT	09-AUG-11	15-NOV-11	BV0141-04-A	54.4 ±5.16	0.6 ±0.05	
4846322	DRNT	09-AUG-11	15-NOV-11	PV0004-04-D	34.3 ±3.63	0.3 ±0.04	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846332	DRNT	10-AUG-11	15-NOV-11	PV0072-04-A	133.4 ±9.5	1.4 ±0.10	
4846339	DRNT	09-AUG-11	15-NOV-11	PV0012-04-E	43.4 ±4.36	0.4 ±0.04	
4846341	DRNT	10-AUG-11	14-NOV-11	* - LESS THAN INDICATED VALUE PV0045-04-D	* 30.0	* 0.3 ±0.03	
4846344	DRNT	09-AUG-11	15-NOV-11	PV0012-04-A	112.2 ±8.5	1.1 ±0.09	
4846362	DRNT	13-AUG-11	15-NOV-11	PV0033-04-A	81.9 ±6.90	0.9 ±0.07	
4846365	DRNT	10-AUG-11	15-NOV-11	PV0072-04-E	41.6 ±4.22	0.4 ±0.04	
1	2	3	4	5	6	7	8

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4782875	DRNT	22-MAR-11	10-NOV-11	BV0106-01-B	146.9 ±9.5	0.6 ±0.04	
4782887	DRNT	05-NOV-10	10-NOV-11	BV0114-01-B	596.7 ±23.1	1.6 ±0.06	
4782970	DRNT	21-OCT-10	10-NOV-11	FA0076-01-B	385.4 ±17.8	1.0 ±0.05	
4788236	DRNF	20-OCT-10	12-NOV-11	BV0126-01-B	787.5 ±26.9	2.0 ±0.07	
4788238	DRNF	20-OCT-10	10-NOV-11	BV0126-01-C	822.3 ±27.6	2.1 ±0.07	
4831374	DRN	03-AUG-11	10-NOV-11	OT0035-04-D-NTH out	65.2 ±5.41	0.7 ±0.05	
4831387	DRN	03-AUG-11	12-NOV-11	MA0021-04-A-NTH in	100.6 ±7.4	1.0 ±0.07	
4831400	DRN	03-AUG-11	10-NOV-11	OT0035-04-F-NTH in	1579.6 ±38.1	16.0 ±0.38	
4831448	DRN	03-AUG-11	12-NOV-11	MA0021-04-D-NTH out	114.3 ±8.1	1.1 ±0.08	
4832816	DRNT	08-AUG-11	12-NOV-11	MA0091-04-A	78.2 ±6.24	0.8 ±0.07	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22332	24-NOV-11	15-NOV-11

Radon Monitoring Report

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832829	DRNT	01-AUG-11	10-NOV-11	BV0106-02-A	116.1 ±8.3	1.1 ±0.08	
4832830	DRNT	02-AUG-11	10-NOV-11	BV0114-04-D	40.4 ±3.75	0.4 ±0.04	
4832831	DRNT	08-AUG-11	12-NOV-11	* - LESS THAN INDICATED VALUE MA0091-04-D	* 30.0	* 0.3 ±0.03	
4832833	DRNT	03-AUG-11	10-NOV-11	OT0035-04-F	1442.5 ±36.5	14.6 ±0.37	
4832836	DRNT	02-AUG-11	10-NOV-11	FA0076-03-A	108.7 ±7.9	1.1 ±0.08	
4832837	DRNT	01-AUG-11	10-NOV-11	BV0126-04-A	148.6 ±9.7	1.5 ±0.10	
4832842	DRNT	02-AUG-11	10-NOV-11	BV0191-04-C	45.9 ±4.16	0.5 ±0.04	
4832845	DRNT	03-AUG-11	12-NOV-11	MA0021-04-A	49.6 ±4.42	0.5 ±0.04	
4832846	DRNT	02-AUG-11	10-NOV-11	MONITOR RETURNED DAMAGED BV0191-04-D			
4832857	DRNT	08-AUG-11	12-NOV-11	MA0094-04-D	60.7 ±5.17	0.6 ±0.05	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846071	DRNT	06-AUG-11	12-NOV-11	BV0123-04-A	38.2 ±3.96	0.4 ±0.04	
4846081	DRNT	08-AUG-11	10-NOV-11	OT0036-02-E	62.0 ±5.68	0.7 ±0.06	
4846150	DRNT	06-AUG-11	12-NOV-11	BV0123-04-D	44.6 ±4.46	0.5 ±0.05	
4846155	DRNT	08-AUG-11	12-NOV-11	MA0090-04-D	52.8 ±5.06	0.6 ±0.05	
4846175	DRNT	06-AUG-11	12-NOV-11	BV0070-04-D	35.4 ±3.73	0.4 ±0.04	
4846205	DRNT	06-AUG-11	12-NOV-11	BV0070-04-C	159.4 ±10.6	1.6 ±0.11	
4846211	DRNT	09-AUG-11	12-NOV-11	BV0113-04-A	45.5 ±4.53	0.5 ±0.05	
4846275	DRNT	09-AUG-11	12-NOV-11	BV0113-04-E	41.8 ±4.25	0.4 ±0.04	
4846295	DRNT	09-AUG-11	12-NOV-11	BV0113-04-D	33.6 ±3.58	0.4 ±0.04	
1	2	3	4	5	6	7	8

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Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
KANSAS CITY, MO 64106

LANDAUER

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Acct. No. 0409761

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783565	DRN	19-APR-11	08-AUG-11	MONITOR RETURNED DAMAGED PV0004-03-D			
4783578	DRN	23-APR-11	10-AUG-11	MONITOR RETURNED DAMAGED BV0117-03-D			
4783622	DRN	20-APR-11	12-AUG-11	* - LESS THAN INDICATED VALUE MA0099-03-D	* 30.0	* 0.3 ±0.03	
4783623	DRN	20-APR-11	12-AUG-11	* - LESS THAN INDICATED VALUE MA0099-03-E	* 30.0	* 0.3 ±0.03	
4783638	DRN	15-APR-11	09-AUG-11	MONITOR RETURNED DAMAGED BV0113-03-D			
4817882	DRNM	20-APR-11	10-AUG-11	FA0083-02-A	299.0 ±15.2	2.7 ±0.14	
4817883	DRNM	20-APR-11	10-AUG-11	* - LESS THAN INDICATED VALUE FA0083-02-D	* 30.0	* 0.3 ±0.03	
4822926	DRNT	04-MAY-11	11-AUG-11	BW0014-03-C	31.7 ±2.59	0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22265	08-SEP-11	16-AUG-11

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782871	DRNT	11-MAR-11	09-AUG-11	MONITOR RETURNED DAMAGED VV0182-02-D			
4782872	DRNT	12-MAR-11	10-AUG-11	BV0117-02-A	54.7 ±4.62	0.4 ±0.03	
4782878	DRNT	02-APR-11	12-AUG-11	* - LESS THAN INDICATED VALUE BW0028-02-D	* 30.0	* 0.2 ±0.03	
4782879	DRNT	02-APR-11	12-AUG-11	* - LESS THAN INDICATED VALUE BW0028-02-E	* 30.0	* 0.2 ±0.03	
4817386	DRNT	29-APR-11	10-AUG-11	VV0013-03-D	34.7 ±3.35	0.3 ±0.03	
4817393	DRNT	28-APR-11	12-AUG-11	PV0027-03-D	36.5 ±3.50	0.3 ±0.03	
4817403	DRNT	21-APR-11	08-AUG-11	BV0141-03-D	38.3 ±3.64	0.4 ±0.03	
4817408	DRNT	20-APR-11	12-AUG-11	MA0099-03-A	147.1 ±9.7	1.3 ±0.08	
4817411	DRNT	22-APR-11	12-AUG-11	BV0122-03-A	153.5 ±10.0	1.4 ±0.09	
4817420	DRNT	22-APR-11	12-AUG-11	BV0122-03-D	36.5 ±3.50	0.3 ±0.03	
1	2	3	4	5	6	7	8

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4817424	DRNT	27-APR-11	09-AUG-11	PV0130-03-D	50.9 ±4.56	0.5 ±0.04	
4817434	DRNT	21-APR-11	09-AUG-11	BV0141-03-A	35.6 ±3.42	0.3 ±0.03	
4817435	DRNT	28-APR-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0008-03-D	* 30.0	* 0.3 ±0.03	
4817445	DRNT	28-APR-11	11-AUG-11	BW0008-03-A	56.4 ±4.93	0.5 ±0.05	
4817454	DRNT	19-APR-11	09-AUG-11	PV0004-03-A	80.8 ±6.43	0.7 ±0.06	
4817467	DRNT	18-APR-11	09-AUG-11	PV0012-03-A	71.8 ±5.90	0.6 ±0.05	
4817480	DRNT	15-APR-11	09-AUG-11	BV0113-03-A	40.1 ±3.77	0.3 ±0.03	
4817694	DRNT	28-MAR-11	12-AUG-11	BW0028-02-A	95.7 ±5.53	0.7 ±0.04	
4817738	DRNT	18-APR-11	09-AUG-11	PV0012-03-D	38.7 ±2.80	0.3 ±0.02	
4817741	DRNT	28-MAR-11	11-AUG-11	BW0004-02-A	230.3 ±9.8	1.7 ±0.07	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22265	08-SEP-11	16-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4828734	DRN	29-APR-11	10-AUG-11	VV0013-03-A-NTH	212.9 ±12.8	2.1 ±0.12	
4828740	DRN	22-APR-11	12-AUG-11	BV0122-03-D-NTH	83.2 ±7.11	0.7 ±0.06	
4832685	DRNT	05-MAY-11	10-AUG-11	PV0072-03-D	33.4 ±3.69	0.3 ±0.04	
4832688	DRNT	25-APR-11	11-AUG-11	BW0020-03-A	69.4 ±6.31	0.6 ±0.06	
4832724	DRNT	30-APR-11	09-AUG-11	* - LESS THAN INDICATED VALUE BV0119-03-A	* 30.0	* 0.3 ±0.04	
4832725	DRNT	05-MAY-11	10-AUG-11	PV0072-03-A	70.3 ±6.36	0.7 ±0.07	
4832729	DRNT	06-MAY-11	10-AUG-11	PV0044-03-A	61.1 ±5.77	0.6 ±0.06	
4832731	DRNT	26-APR-11	12-AUG-11	MONITOR RETURNED DAMAGED PV0026-03-D			
4832732	DRNT	06-MAY-11	10-AUG-11	* - LESS THAN INDICATED VALUE PV0044-03-D	* 30.0	* 0.3 ±0.04	
4832733	DRNT	05-MAY-11	10-AUG-11	MONITOR RETURNED DAMAGED PV0045-03-D			
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22265	08-SEP-11	16-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832735	DRNT	05-MAY-11	12-AUG-11	* - LESS THAN INDICATED VALUE BW0022-03-D	* 30.0	* 0.3 ±0.04	
4832738	DRNT	06-MAY-11	10-AUG-11	PV0044-03-E	43.6 ±4.52	0.5 ±0.05	
4832739	DRNT	29-APR-11	10-AUG-11	VV0013-03-A	217.8 ±13.0	2.1 ±0.13	
4832740	DRNT	25-APR-11	11-AUG-11	MONITOR RETURNED DAMAGED BW0003-03-D			
4832744	DRNT	30-APR-11	12-AUG-11	FA0053-03-A	135.9 ±9.8	1.3 ±0.09	
4832747	DRNT	26-APR-11	10-AUG-11	PV0029-01-A	335.0 ±16.6	3.2 ±0.16	
4832749	DRNT	25-APR-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0001-03-D	* 30.0	* 0.3 ±0.04	
4832750	DRNT	28-APR-11	12-AUG-11	PV0027-03-A	111.9 ±8.7	1.1 ±0.08	
4832752	DRNT	25-APR-11	12-AUG-11	* - LESS THAN INDICATED VALUE BW0002-03-A	* 30.0	* 0.3 ±0.04	
4832755	DRNT	30-APR-11	12-AUG-11	* - LESS THAN INDICATED VALUE FA0053-03-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22265	08-SEP-11	16-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832899	DRNT	06-MAY-11	06-AUG-11	VV0182-03-A	50.9 ±5.07	0.6 ±0.06	
4832900	DRNT	07-MAY-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0019-03-D	* 30.0	* 0.3 ±0.05	
4832911	DRNT	06-MAY-11	09-AUG-11	VV0182-03-C	40.8 ±4.30	0.4 ±0.05	
4832913	DRNT	07-MAY-11	11-AUG-11	BW0019-03-A	62.9 ±5.89	0.7 ±0.06	
4832923	DRNT	07-MAY-11	11-AUG-11	BW0019-03-C	70.3 ±6.36	0.7 ±0.07	
4832929	DRNT	07-MAY-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0015-03-D	* 30.0	* 0.3 ±0.04	
4832935	DRNT	07-MAY-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0019-03-E	* 30.0	* 0.3 ±0.05	
4832946	DRNT	05-MAY-11	10-AUG-11	PV0045-03-A	51.9 ±5.13	0.5 ±0.05	
4832949	DRNT	09-MAY-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0014-03-A	* 30.0	* 0.3 ±0.05	
4832952	DRNT	04-APR-11	11-AUG-11	MONITOR RETURNED DAMAGED BW0014-03-D			
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22265	08-SEP-11	16-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832954	DRNT	06-MAY-11	10-AUG-11	PV0044-03-C	47.2 ±4.80	0.5 ±0.05	
4832960	DRNT	26-APR-11	10-AUG-11	VV0001-03-A	207.5 ±12.6	2.0 ±0.12	
4832967	DRNT	04-MAY-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0007-03-A	* 30.0	* 0.3 ±0.04	
4832975	DRNT	25-APR-11	11-AUG-11	BW0020-03-D	33.4 ±3.69	0.3 ±0.03	
4832979	DRNT	25-APR-11	11-AUG-11	BW0001-03-A	69.4 ±6.31	0.6 ±0.06	
4832980	DRNT	26-APR-11	10-AUG-11	* - LESS THAN INDICATED VALUE VV0001-03-D	* 30.0	* 0.3 ±0.04	
4832982	DRNT	05-MAY-11	12-AUG-11	* - LESS THAN INDICATED VALUE BW0022-03-A	* 30.0	* 0.3 ±0.04	
4832983	DRNT	26-APR-11	12-AUG-11	PV0026-03-A	83.2 ±7.13	0.8 ±0.07	
4832984	DRNT	05-MAY-11	12-AUG-11	BV0150-03-A	31.6 ±3.53	0.3 ±0.04	
4832985	DRNT	30-APR-11	09-AUG-11	* - LESS THAN INDICATED VALUE BV0119-03-D	* 30.0	* 0.3 ±0.03	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22265	08-SEP-11	16-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832987	DRNT	05-MAY-11	12-AUG-11	* - LESS THAN INDICATED VALUE BV0150-03-D	* 30.0	* 0.3 ±0.04	
4832992	DRNT	25-APR-11	11-AUG-11	BW0003-03-A	110.9 ±8.6	1.0 ±0.08	
4832995	DRNT	25-APR-11	12-AUG-11	* - LESS THAN INDICATED VALUE BW0002-03-D	* 30.0	* 0.3 ±0.03	
4833012	DRNT	07-MAY-11	11-AUG-11	BW0015-03-A	40.8 ±4.30	0.4 ±0.04	
4833013	DRNT	07-MAY-11	12-AUG-11	* - LESS THAN INDICATED VALUE BW0029-03-D	* 30.0	* 0.3 ±0.06	
4833014	DRNT	07-MAY-11	12-AUG-11	* - LESS THAN INDICATED VALUE BW0029-03-E	* 30.0	* 0.3 ±0.04	
4833030	DRNT	26-APR-11	10-AUG-11	MONITOR RETURNED DAMAGED PV0029-01-D			
4833037	DRNT	04-MAY-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0007-03-D	* 30.0	* 0.3 ±0.04	
4833040	DRNT	25-APR-11	11-AUG-11	* - LESS THAN INDICATED VALUE BW0004-03-D	* 30.0	* 0.3 ±0.04	
4834185	DRNP	22-APR-11	12-AUG-11	BV0122-03-A-NTH	162.1 ±10.7	1.4 ±0.10	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22265	08-SEP-11	16-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4834202	DRNP	27-APR-11	09-AUG-11	PV0130-03-D-NTH	119.3 ±8.9	1.1 ±0.09	
4834206	DRNP	29-APR-11	10-AUG-11	VV0013-03-D-NTH	78.5 ±6.75	0.8 ±0.07	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22265	08-SEP-11	16-AUG-11

A22265

START

EPA Contract Number: EP-W-06-042

409761

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment

Contact Name: Robert Sherman

Contact Phone: 505.285.5395

No: 1-0005100801-110815-0001

DateShipped: 8/15/2011

Lab: Landauer, Inc.

Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	BV0113-03-A	4817480	Radon	Air	4/14/2011	11:00:00 AM	8/9/2011	3:22:00 PM	1	Track Etch Detector	None	START
	BV0113-03-D	4783638	Radon	Air	4/14/2011	11:08:00 AM	8/9/2011	3:32:00 PM	1	Track Etch Detector	None	START
	BV0117-02-A	4782872	Radon	Air	3/12/2011	12:27:00 PM	8/10/2011	3:21:00 PM	1	Track Etch Detector	None	START
	BV0117-03-D	4783578	Radon	Air	4/13/2011	9:51:00 AM	8/10/2011	3:32:00 PM	1	Alpha Track Detector	None	START
	BV0119-03-A	4832724	Radon	Air	4/30/2011	11:19:00 AM	8/9/2011	10:11:00 AM	1	Track Etch Detector	None	START
	BV0119-03-D	4832985	Radon	Air	4/30/2011	11:31:00 AM	8/9/2011	10:25:00 AM	1	Track Etch Detector	None	START
	BV0122-03-A	4817411	Radon	Air	4/22/2011	3:19:00 PM	8/12/2011	12:01:00 PM	1	Track Etch Detector	None	START
	BV0122-03-A-NTH	4834185	Radon	Air	4/22/2011	3:19:00 PM	8/12/2011	12:01:00 PM	1	Track Etch Detector	None	START
	BV0122-03-D	4817420	Radon	Air	4/22/2011	3:41:00 PM	8/12/2011	12:15:00 PM	1	Track Etch Detector	None	START
	BV0122-03-D-NTH	4828740	Radon	Air	4/22/2011	3:36:00 PM	8/12/2011	12:15:00 PM	1	Track Etch Detector	None	START
	BV0141-03-A	4817434	Radon	Air	4/21/2011	4:36:00 PM	8/9/2011	10:44:00 AM	1	Track Etch Detector	None	START
	BV0141-03-D	4817403	Radon	Air	4/21/2011	4:48:00 PM	8/9/2011	10:55:00 AM	1	Track Etch Detector	None	START
	BV0150-03-A	4832984	Radon	Air	5/5/2011	9:53:00 AM	8/12/2011	4:10:00 PM	1	Track Etch Detector	None	START
	BV0150-03-D	4832987	Radon	Air	5/5/2011	10:03:00 AM	8/12/2011	4:18:00 PM	1	Track Etch Detector	None	START
	BW0001-03-A	4832979	Radon	Air	4/25/2011	10:47:00 AM	8/11/2011	11:26:00 AM	1	Track Etch Detector	None	START
	BW0001-03-D	4832749	Radon	Air	4/25/2011	10:59:00 AM	8/11/2011	11:35:00 AM	1	Track Etch Detector	None	START
	BW0002-03-A	4832752	Radon	Air	4/25/2011	11:43:00 AM	8/12/2011	9:53:00 AM	1	Track Etch Detector	None	START
	BW0002-03-D	4832995	Radon	Air	4/25/2011	1:03:00 PM	8/12/2011	9:41:00 AM	1	Track Etch Detector	None	START
	BW0003-03-A	4832992	Radon	Air	4/25/2011	2:12:00 PM	8/11/2011	9:56:00 AM	1	Track Etch Detector	None	START
	BW0003-03-D	4832740	Radon	Air	4/25/2011	2:28:00 PM	8/11/2011	10:07:00 AM	1	Track Etch Detector	None	START
	BW0004-02-A	4817741	Radon	Air	3/28/2011	3:37:00 PM	8/11/2011	4:25:00 PM	1	Track Etch Detector	None	START
	BW0004-03-D	4833040	Radon	Air	4/25/2011	3:36:00 PM	8/11/2011	4:37:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Garren	8/15/11	Connie Dune	8/18/11							

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505.285.5395

No: 1-0005100801-110815-0001

DateShipped: 8/15/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	BW0007-03-A	4832967	Radon	Air	5/4/2011	12:50:00 PM	8/11/2011	12:50:00 PM	1	Track Etch Detector	None	START
	BW0007-03-D	4833037	Radon	Air	5/4/2011	1:08:00 PM	8/11/2011	11:12:00 AM	1	Track Etch Detector	None	START
	BW0008-03-A	4817445	Radon	Air	4/28/2011	3:10:00 PM	8/11/2011	10:29:00 AM	1	Track Etch Detector	None	START
	BW0008-03-D	4817435	Radon	Air	4/28/2011	3:24:00 PM	8/11/2011	10:39:00 AM	1	Track Etch Detector	None	START
	BW0014-03-A	4832949	Radon	Air	5/4/2011	1:49:00 PM	8/11/2011	12:31:00 PM	1	Track Etch Detector	None	START
	BW0014-03-C	4822926	Radon	Air	5/4/2011	1:49:00 PM	8/11/2011	12:31:00 PM	1	Alpha Track Detector	None	START
	BW0014-03-D	4832952	Radon	Air	5/4/2011	2:10:00 PM	8/11/2011	12:45:00 PM	1	Track Etch Detector	None	START
	BW0015-03-A	4833012	Radon	Air	5/7/2011	12:26:00 PM	8/11/2011	1:04:00 PM	1	Track Etch Detector	None	START
	BW0015-03-D	4832929	Radon	Air	5/7/2011	12:34:00 PM	8/11/2011	1:12:00 PM	1	Track Etch Detector	None	START
	BW0019-03-A	4832913	Radon	Air	5/7/2011	9:49:00 AM	8/11/2011	3:16:00 PM	1	Track Etch Detector	None	START
	BW0019-03-C	4832923	Radon	Air	5/7/2011	9:49:00 AM	8/11/2011	3:16:00 PM	1	Track Etch Detector	None	START
	BW0019-03-D	4832900	Radon	Air	5/7/2011	10:01:00 AM	8/11/2011	3:29:00 PM	1	Track Etch Detector	None	START
	BW0019-03-E	4832935	Radon	Air	5/7/2011	10:01:00 AM	8/11/2011	3:29:00 PM	1	Track Etch Detector	None	START
	BW0020-03-A	4832688	Radon	Air	4/25/2011	2:56:00 PM	8/11/2011	3:46:00 PM	1	Track Etch Detector	None	START
	BW0020-03-D	4832975	Radon	Air	4/25/2011	3:15:00 PM	8/11/2011	3:59:00 PM	1	Track Etch Detector	None	START
	BW0022-03-A	4832982	Radon	Air	5/5/2011	2:48:00 PM	8/12/2011	10:24:00 AM	1	Track Etch Detector	None	START
	BW0022-03-D	4832735	Radon	Air	5/5/2011	3:02:00 PM	8/12/2011	10:34:00 AM	1	Track Etch Detector	None	START
	BW0028-02-A	4817694	Radon	Air	3/28/2011	2:55:00 PM	8/12/2011	1:15:00 PM	1	Track Etch Detector	None	START
	BW0028-02-D	4782878	Radon	Air	4/2/2011	2:08:00 PM	8/12/2011	1:26:00 PM	1	Track Etch Detector	None	START
	BW0028-02-E	4782879	Radon	Air	4/2/2011	2:08:00 PM	8/12/2011	1:26:00 PM	1	Track Etch Detector	None	START
	BW0029-03-D	4833013	Radon	Air	5/7/2011	11:20:00 AM	8/12/2011	1:46:00 PM	1	Track Etch Detector	None	START
	BW0029-03-E	4833014	Radon	Air	5/7/2011	11:20:00 AM	8/12/2011	1:46:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Harven	8/15/11	Connie Jung	8/18/11							

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505.285.5395

No: 1-0005100801-110815-0001

DateShipped: 8/15/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	FA0053-03-A	4832744	Radon	Air	4/30/2011	11:53:00 AM	8/12/2011	11:32:00 AM	1	Track Etch Detector	None	START
	FA0053-03-D	4832755	Radon	Air	4/30/2011	12:03:00 PM	8/12/2011	11:42:00 AM	1	Track Etch Detector	None	START
	FA0083-02-A	4817882	Radon	Air	4/20/2011	12:59:00 PM	8/10/2011	5:36:00 PM	1	Track Etch Detector	None	START
	FA0083-02-D	4817883	Radon	Air	4/20/2011	12:59:00 PM	8/10/2011	5:49:00 PM	1	Track Etch Detector	None	START
	MA0099-03-A	4817408	Radon	Air	4/20/2011	3:42:00 PM	8/12/2011	2:02:00 PM	1	Track Etch Detector	None	START
1	MA0099-03-D	4783622	Radon	Air	4/20/2011	3:50:00 PM	8/12/2011	2:17:00 PM	1	Track Etch Detector	None	START
2	MA0099-03-E	4783623	Radon	Air	4/20/2011	3:50:00 PM	8/12/2011	2:17:00 PM	1	Track Etch Detector	None	START
	PV0004-03-A	4817454	Radon	Air	4/19/2011	10:38:00 AM	8/9/2011	12:13:00 PM	1	Track Etch Detector	None	START
	PV0004-03-D	4783565	Radon	Air	4/19/2011	10:49:00 AM	8/9/2011	12:24:00 PM	1	Track Etch Detector	None	START
	PV0012-03-A	4817467	Radon	Air	4/18/2011	10:05:00 AM	8/9/2011	11:37:00 AM	1	Track Etch Detector	None	START
	PV0012-03-D	4817738	Radon	Air	4/18/2011	10:05:00 AM	8/9/2011	11:54:00 AM	1	Track Etch Detector	None	START
	PV0026-03-A	4832983	Radon	Air	4/26/2011	1:30:00 PM	8/12/2011	3:16:00 PM	1	Track Etch Detector	None	START
	PV0026-03-D	4832731	Radon	Air	4/26/2011	1:50:00 PM	8/12/2011	3:28:00 PM	1	Track Etch Detector	None	START
	PV0027-03-A	4832750	Radon	Air	4/28/2011	11:12:00 AM	8/12/2011	3:38:00 PM	1	Track Etch Detector	None	START
	PV0027-03-D	4817393	Radon	Air	4/28/2011	11:27:00 AM	8/12/2011	3:49:00 PM	1	Track Etch Detector	None	START
	PV0029-01-A	4832747	Radon	Air	4/26/2011	4:43:00 PM	8/10/2011	3:50:00 PM	1	Track Etch Detector	None	START
	PV0029-01-D	4833030	Radon	Air	4/26/2011	5:10:00 PM	8/10/2011	4:08:00 PM	1	Track Etch Detector	None	START
	PV0044-03-A	4832729 X	Radon	Air	5/6/2011	10:34:00 AM	8/10/2011	10:43:00 AM	1	Track Etch Detector	None	START
	PV0044-03-C	4832954	Radon	Air	5/6/2011	10:34:00 AM	8/10/2011	10:43:00 AM	1	Track Etch Detector	None	START
	PV0044-03-D	4832732	Radon	Air	5/6/2011	10:49:00 AM	8/10/2011	10:57:00 AM	1	Track Etch Detector	None	START
	PV0044-03-E	4832738	Radon	Air	5/6/2011	10:49:00 AM	8/10/2011	10:57:00 AM	1	Track Etch Detector	None	START
	PV0045-03-A	4832946	Radon	Air	5/5/2011	10:51:00 AM	8/10/2011	10:10:00 AM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Garren	8/15/11	Connie Dura	8/18/11							

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505.285.5395

No: 1-0005100801-110815-0001

DateShipped: 8/15/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	PV0045-03-D	4832733	Radon	Air	5/5/2011	11:04:00 AM	8/10/2011	10:25:00 AM	1	Track Etch Detector	None	START
	PV0072-03-A	4832725	Radon	Air	5/5/2011	12:34:00 PM	8/10/2011	2:01:00 PM	1	Track Etch Detector	None	START
	PV0072-03-D	4832685	Radon	Air	5/5/2011	12:45:00 PM	8/10/2011	2:12:00 PM	1	Track Etch Detector	None	START
⊗	PV0130-03-D	4817424	Radon	Air	4/27/2011	3:44:00 PM	8/9/2011	4:08:00 PM	1	Track Etch Detector	None	START
⊗	PV0130-03-D-NTH	4834202	Radon	Air	4/27/2011	3:44:00 PM	8/9/2011	4:08:00 PM	1	Track Etch Detector	None	START
	VV0001-03-A	4832960	Radon	Air	4/26/2011	10:06:00 AM	8/10/2011	4:44:00 PM	1	Track Etch Detector	None	START
	VV0001-03-D	4832980	Radon	Air	4/26/2011	10:21:00 AM	8/10/2011	4:55:00 PM	1	Track Etch Detector	None	START
	VV0013-03-A	4832739	Radon	Air	4/29/2011	11:01:00 AM	8/10/2011	11:15:00 AM	1	Track Etch Detector	None	START
	VV0013-03-A-NTH	4828734	Radon	Air	4/29/2011	11:01:00 AM	8/10/2011	11:15:00 AM	1	Track Etch Detector	None	START
	VV0013-03-D	4817386	Radon	Air	4/29/2011	11:24:00 AM	8/10/2011	11:31:00 AM	1	Track Etch Detector	None	START
	VV0013-03-D-NTH	4834206	Radon	Air	4/29/2011	11:24:00 AM	8/10/2011	11:31:00 AM	1	Track Etch Detector	None	START
	VV0182-02-D	4782871	Radon	Air	3/11/2011	1:15:00 PM	8/9/2011	4:41:00 PM	1	Track Etch Detector	None	START
	VV0182-03-A	4832899	Radon	Air	5/6/2011	5:12:00 PM	8/9/2011	4:29:00 PM	1	Track Etch Detector	None	START
	VV0182-03-C	4832911	Radon	Air	5/6/2011	5:12:00 PM	8/9/2011	4:29:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
14/SAMPLES	Alin Karren	8/15/11	[illegible]	8/18/11							

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782866	DRNT	03-MAR-11	02-AUG-11	FA0076-02-A	71.8 ±5.75	0.5 ±0.04	
4782874	DRNT	22-MAR-11	01-AUG-11	BV0106-01-A	59.5 ±4.96	0.5 ±0.04	
4817372	DRNT	23-APR-11	02-AUG-11	* - LESS THAN INDICATED VALUE FA0076-03-D	* 30.0	* 0.3 ±0.03	
4817373	DRNT	22-APR-11	02-AUG-11	* - LESS THAN INDICATED VALUE BV0191-03-A	* 30.0	* 0.3 ±0.03	
4817377	DRNT	22-APR-11	03-AUG-11	MA0021-03-A	128.0 ±8.9	1.2 ±0.09	
4817379	DRNT	23-APR-11	03-AUG-11	PV0034-03-A	31.9 ±3.14	0.3 ±0.03	
4817380	DRNT	23-APR-11	02-AUG-11	BV0160-03-A	30.1 ±3.00	0.3 ±0.03	
4817395	DRNT	23-APR-11	01-AUG-11	BV0159-03-D	44.6 ±4.12	0.4 ±0.04	
4817397	DRNT	27-APR-11	01-AUG-11	BV0126-03-A	136.1 ±9.2	1.4 ±0.10	
4817404	DRNT	23-APR-11	02-AUG-11	* - LESS THAN INDICATED VALUE BV0159-03-A	* 30.0	* 0.3 ±0.03	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22262	19-AUG-11	10-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817407	DRNT	27-APR-11	02-AUG-11	* - LESS THAN INDICATED VALUE MA0101-03-D	* 30.0	* 0.3 ±0.03	
4817409	DRNT	23-APR-11	03-AUG-11	* - LESS THAN INDICATED VALUE PV0034-03-D	* 30.0	* 0.3 ±0.03	
4817417	DRNT	23-APR-11	02-AUG-11	BV0160-03-D	30.1 ±3.00	0.3 ±0.03	
4817423	DRNT	18-APR-11	03-AUG-11	PV0074-01-A	66.3 ±5.58	0.6 ±0.05	
4817427	DRNT	27-APR-11	02-AUG-11	MA0101-03-4	122.5 ±8.6	1.3 ±0.09	
4817437	DRNT	23-APR-11	03-AUG-11	PV0073-03-D	32.8 ±3.22	0.3 ±0.03	
4817438	DRNT	23-APR-11	03-AUG-11	PV0073-03-A	47.3 ±4.31	0.5 ±0.04	
4817439	DRNT	20-APR-11	03-AUG-11	OT0035-03-F	1167.2 ±32.3	11.1 ±0.31	
4817444	DRNT	20-APR-11	03-AUG-11	OT0035-03-A	48.2 ±4.38	0.5 ±0.04	
4817447	DRNT	22-APR-11	02-AUG-11	* - LESS THAN INDICATED VALUE BV0191-03-D	* 30.0	* 0.3 ±0.04	
1	2	3	4	5	6	7	8

RE
AS

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22262	19-AUG-11	10-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4834192	DRNP	20-APR-11	03-AUG-11	OT0035-03-F-NTH	1261.7 ±33.6	12.0 ±0.32	
4834197	DRNP	22-APR-11	03-AUG-11	MA0021-03-A-NTH	162.9 ±10.8	1.6 ±0.10	
4834204	DRNP	20-APR-11	03-AUG-11	OT0035-03-D-NTH	108.5 ±8.4	1.0 ±0.08	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22262	19-AUG-11	10-AUG-11

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505-285-5395

No: 1-0005100801-110809-0001

DateShipped: 8/9/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	BV0104-03-A	4817733	Radon	Air	4/14/2011	10:24:00 AM	8/1/2011	11:28:00 AM	1	Track Etch Detector	None	START
	BV0104-03-D	4783589	Radon	Air	4/14/2011	10:34:00 AM	8/1/2011	11:44:00 AM	1	Track Etch Detector	None	START
	BV0106-01-A	4782874	Radon	Air	3/22/2011	12:30:00 PM	8/1/2011	11:55:00 AM	1	Track Etch Detector	None	START
	BV0106-03-D	4783590	Radon	Air	4/14/2011	10:50:00 AM	8/1/2011	12:06:00 PM	1	Track Etch Detector	None	START
	BV0112-03-A	4817468	Radon	Air	4/14/2011	9:57:00 AM	8/1/2011	2:54:00 PM	1	Track Etch Detector	None	START
	BV0112-03-D	4783634	Radon	Air	4/14/2011	10:04:00 AM	8/1/2011	3:03:00 PM	1	Track Etch Detector	None	START
	BV0114-03-A	4817466	Radon	Air	4/14/2011	9:07:00 AM	8/2/2011	10:15:00 AM	1	Track Etch Detector	None	START
	BV0114-03-D	4783618	Radon	Air	4/14/2011	9:15:00 AM	8/2/2011	10:34:00 AM	1	Track Etch Detector	None	START
	BV0126-03-A	4817397	Radon	Air	4/27/2011	1:26:00 PM	8/1/2011	3:20:00 PM	1	Track Etch Detector	None	START
	BV0126-03-D	4817465	Radon	Air	4/27/2011	1:37:00 PM	8/1/2011	3:32:00 PM	1	Track Etch Detector	None	START
	BV0137-03-A	4817458	Radon	Air	4/18/2011	1:08:00 PM	8/2/2011	2:01:00 PM	1	Track Etch Detector	None	START
	BV0137-03-D	4783581	Radon	Air	4/18/2011	1:25:00 PM	8/2/2011	2:17:00 PM	1	Track Etch Detector	None	START
	BV0146-03-A	4817520	Radon	Air	4/14/2011	9:31:00 AM	8/2/2011	10:44:00 AM	1	Track Etch Detector	None	START
	BV0146-03-D	4783619	Radon	Air	4/14/2011	9:35:00 AM	8/2/2011	10:53:00 AM	1	Track Etch Detector	None	START
	BV0159-03-A	4817404	Radon	Air	4/23/2011	12:40:00 PM	8/2/2011	4:08:00 PM	1	Track Etch Detector	None	START
	BV0159-03-D	4817395	Radon	Air	4/23/2011	12:58:00 PM	8/2/2011	4:22:00 PM	1	Track Etch Detector	None	START
	BV0160-03-A	4817380	Radon	Air	4/23/2011	1:11:00 PM	8/2/2011	3:56:00 PM	1	Track Etch Detector	None	START
	BV0160-03-D	4817417	Radon	Air	4/23/2011	1:25:00 PM	8/2/2011	4:33:00 PM	1	Track Etch Detector	None	START
	BV0191-03-A	4817373	Radon	Air	4/22/2011	4:11:00 PM	8/2/2011	3:17:00 PM	1	Track Etch Detector	None	START
	BV0191-03-D	4817447	Radon	Air	4/22/2011	4:28:00 PM	8/2/2011	3:37:00 PM	1	Track Etch Detector	None	START
	FA0076-02-A	4782866	Radon	Air	3/3/2011	1:46:00 PM	8/2/2011	1:13:00 PM	1	Track Etch Detector	None	START
	FA0076-03-D	4817372	Radon	Air	4/23/2011	12:07:00 PM	8/2/2011	1:44:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Warren	8/9/11	Conides	8/12/11							

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment

Contact Name: Robert Sherman

Contact Phone: 505-285-5395

No: 1-0005100801-110809-0001

DateShipped: 8/9/2011

Lab: Landauer, Inc.

Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	MA0005-03-A	4817682	Radon	Air	4/18/2011	10:00:00 AM	8/2/2011	5:23:00 PM	1	Track Etch Detector	None	START
	MA0005-03-D	4783635	Radon	Air	4/18/2011	10:09:00 AM	8/2/2011	5:35:00 PM	1	Track Etch Detector	None	START
	MA0021-03-A	4817377	Radon	Air	4/22/2011	11:33:00 AM	8/3/2011	10:05:00 AM	1	Track Etch Detector	None	START
	MA0021-03-A-NTH	4834197	Radon	Air	4/22/2011	11:33:00 AM	8/3/2011	10:05:00 AM	1	Track Etch Detector	None	START
	MA0021-03-D	4783577	Radon	Air	4/22/2011	11:47:00 AM	8/3/2011	10:19:00 AM	1	Track Etch Detector	None	START
	MA0021-03-D-NTH	4828751	Radon	Air	4/22/2011	11:47:00 AM	8/3/2011	10:19:00 AM	1	Track Etch Detector	None	START
	MA0048-03-A	4817707	Radon	Air	4/13/2011	3:53:00 PM	8/3/2011	12:33:00 PM	1	Track Etch Detector	None	START
	MA0048-03-D	4783601	Radon	Air	4/13/2011	4:04:00 PM	8/3/2011	12:33:00 PM	1	Track Etch Detector	None	START
	MA0049-03-A	4817672	Radon	Air	4/13/2011	4:19:00 PM	8/3/2011	12:54:00 PM	1	Track Etch Detector	None	START
	MA0049-03-D	4783602	Radon	Air	4/13/2011	4:28:00 PM	8/3/2011	12:05:00 PM	1	Track Etch Detector	None	START
	MA0101-03-A	4817427	Radon	Air	4/27/2011	10:17:00 AM	8/2/2011	4:56:00 PM	1	Track Etch Detector	None	START
	MA0101-03-D	4817407	Radon	Air	4/27/2011	10:32:00 AM	8/2/2011	5:09:00 PM	1	Track Etch Detector	None	START
	OT0035-03-A	4817444	Radon	Air	4/20/2011	11:08:00 AM	8/3/2011	11:02:00 AM	1	Track Etch Detector	None	START
	OT0035-03-D	4787525	Radon	Air	4/20/2011	11:29:00 AM	8/3/2011	11:14:00 AM	1	Track Etch Detector	None	START
	OT0035-03-D-NTH	4834204	Radon	Air	4/20/2011	11:29:00 AM	8/3/2011	11:14:00 AM	1	Track Etch Detector	None	START
	OT0035-03-F	4817439	Radon	Air	4/20/2011	10:45:00 AM	8/3/2011	10:48:00 AM	1	Track Etch Detector	None	START
	OT0035-03-F-NTH	4834192	Radon	Air	4/20/2011	10:45:00 AM	8/3/2011	10:48:00 AM	1	Track Etch Detector	None	START
	PV0034-03-A	4817379	Radon	Air	4/23/2011	10:28:00 AM	8/3/2011	2:40:00 PM	1	Track Etch Detector	None	START
	PV0034-03-D	4817409	Radon	Air	4/23/2011	10:40:00 AM	8/3/2011	2:50:00 PM	1	Track Etch Detector	None	START
	PV0073-03-A	4817438	Radon	Air	4/23/2011	11:05:00 AM	8/3/2011	3:12:00 PM	1	Track Etch Detector	None	START
	PV0073-03-D	4817437	Radon	Air	4/23/2011	11:17:00 AM	8/3/2011	3:47:00 PM	1	Track Etch Detector	None	START
	PV0074-01-A	4817423	Radon	Air	4/18/2011	12:38:00 PM	8/3/2011	3:23:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time		Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Warren	8/9/11	[illegible]	8/12/11								

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505-285-5395

No: 1-0005100801-110809-0001

DateShipped: 8/9/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	PV0074-01-D	4783592	Radon	Air	4/18/2011	12:47:00 PM	8/3/2011	3:31:00 PM	1	Track Etch Detector	None	START

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
1 / SAMPLE	[illegible]	8/9/11	[illegible]	8/12/11	[illegible]						

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817712	DRNT	25-MAR-11	22-JUN-11	PV0030-02-A	45.7 ±3.11	0.5 ±0.03	
4817736	DRNT	25-MAR-11	22-JUN-11	PV0030-02-C	43.1 ±2.96	0.5 ±0.03	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22220	14-JUL-11	05-JUL-11

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Site #: TO0005100801
Contact Name: Robert Sherman
Contact Phone: 505-285-5395

No: 1-0005100801-110701-0001

DateShipped: 7/1/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	PV0030-02-A	4817712	Radon	Air	3/25/2011	2:20:00 PM	6/22/2011	10:01:00 AM	1	Track Etch Detector	None	START
	PV0030-02-C	4817736	Radon	Air	3/25/2011	2:20:00 PM	6/22/2011	10:01:00 AM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
2/Samples	[illegible]	7/1/2011	[illegible]	7/5/11	1:07						

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782906	DRNT	09-MAR-11	13-JUN-11	PV0130-02-A	367.1 ±17.7	3.8 ±0.18	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22211	23-JUN-11	17-JUN-11

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Site #: TO0005100801
Contact Name: Robert Sherman
Contact Phone: 505-285-5395

No: 1-0005100801-110616-0001

DateShipped: 6/16/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	PV0130-02-A	4782906	Radon	Air	3/9/2011	6:23:00 PM	6/13/2011	4:55:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
1 / Sample	[illegible]	6/16/11	[illegible]	6/17	9:00						

HP Color LaserJet *CM2320nf MFP*

Fax Confirmation Report

HP LASERJET FAXWESTON
5052855396
Jun-14-2011 09:52

Job	Date	Time	Type	Identification	Duration	Pages	Result
2	6/14/2011	09:50:39	Send	13372372292	1:44	5	OK

A22311

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782924	DRNT	22-OCT-10	12-MAR-11	EAST HALLWAY WALL BV0117-01-A	93.0 ±7.42	0.7 ±0.05	
4782963	DRNT	23-OCT-10	09-MAR-11	BEDROOM 2 PV0130-01-A	736.3 ±26.6	5.4 ±0.19	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
KJT	A22142	25-MAR-11	18-MAR-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782954	DRNT	21-OCT-10	25-MAR-11	EAST LIVING ROOM WALL PV0030-01-A	154.7 ±10.5	1.0 ±0.07	
4782955	DRNT	21-OCT-10	25-MAR-11	EAST LIVING ROOM WALL PV0030-01-C DUPLICATE	148.5 ±10.2	1.0 ±0.07	
4788160	DRNF	12-OCT-10	24-MAR-11	OFFICE DOOR FRAME BV0066-01-A	345.2 ±16.7	2.1 ±0.10	
4788161	DRNF	12-OCT-10	24-MAR-11	OFFICE DOOR FRAME/DUPLICATE BV0066-01-C	306.2 ±15.5	1.9 ±0.10	
4788211	DRNF	11-OCT-10	28-MAR-11	LIVING ROOM BW0028-01-A	275.6 ±14.6	1.6 ±0.09	
4788213	DRNF	11-OCT-10	28-MAR-11	LIVING ROOM BEHIND ENTERTAINMENT CENTER BW0009-01-A	76.7 ±6.02	0.5 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
KJT	A22152	08-APR-11	30-MAR-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4788206	DRNF	11-OCT-10	02-APR-11	BW0028-01-D/NORTH TREE	55.6 ±4.84	0.3 ±0.03	
4788210	DRNF	11-OCT-10	02-APR-11	BW0028-01-E/NORTH TREE	55.4 ±4.82	0.3 ±0.03	
4788215	DRNF	11-OCT-10	02-APR-11	* - LESS THAN INDICATED VALUE BW0009-01-D/WEST TREE	* 30.0	* 0.2 ±0.02	
①	②	③	④		⑤	⑥	⑦ ⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22155	15-APR-11	07-APR-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782950	DRNT	21-OCT-10	12-JAN-11	SOUTH WALL IN NORTH BEDROOM	535.8 ±22.5	6.5 ±0.27	~~BV0122~~
4782958	DRN	21-OCT-10	12-JAN-11	EAST WALL IN HALLWAY	236.7 ±14.1	2.9 ±0.17	~~PV0136~~
4782973	DRNT	21-OCT-10	12-JAN-11	SW CORNER OF WEST LIVING	59.9 ±5.74	0.7 ±0.07	~~PV0034~~
4788159	DRNF	09-OCT-10	12-JAN-11	LIVING ROOM	258.5 ±14.3	2.7 ±0.15	~~VV0059~~
4788172	DRNF	11-OCT-10	12-JAN-11	SOUTHERN LIVING ROOM DOOR	53.8 ±4.83	0.6 ±0.05	(~~Not on ACOE list~~)
4788173	DRNF	11-OCT-10	12-JAN-11	SOUTHERN LIVING ROOM DOOR	82.0 ±6.65	0.9 ±0.07	" " "
4788175	DRNF	18-OCT-10	12-JAN-11	SOUTH WALL IN FRONT HALLWAY	132.5 ±9.3	1.5 ±0.11	" " "
4788204	DRNF	11-OCT-10	12-JAN-11	BEDROOM NEAR BATHROOM	126.4 ±9.0	1.4 ±0.10	" " "
4788205	DRNF	11-OCT-10	12-JAN-11	FENCE POST NEAR PROPERTY	44.7 ±4.17	0.5 ±0.04	" " "
4788240	DRNF	21-OCT-10	12-JAN-11	* - LESS THAN INDICATED VALUE WEST END OF WOOD LATTICE	* 30.0	* 0.4 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22104	15-FEB-11	14-JAN-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782886	DRNT	05-NOV-10	NOT GIVEN	NO END DATE PROVIDED	181.4 ±12.0		
4782888	DRNT	05-NOV-10	NOT GIVEN	* - LESS THAN INDICATED VALUE NO END DATE PROVIDED	* 30.0		
4782893	DRNT	09-NOV-10	13-JAN-11		37.0 ±3.97	0.6 ±0.06	
4782894	DRNT	09-NOV-10	NOT GIVEN	NO END DATE PROVIDED	37.0 ±3.97		
4782897	DRNT	NOT GIVEN	16-JAN-11	NO START DATE PROVIDED	39.1 ±4.14		
4782926	DRNT	NOT GIVEN	NOT GIVEN	NO DATES PROVIDED	67.8 ±6.27		
4782936	DRNT	NOT GIVEN	NOT GIVEN	NO DATES PROVIDED	186.6 ±12.2		
4782938	DRNM	02-NOV-10	NOT GIVEN	NO END DATE PROVIDED	45.2 ±4.64		
4782947	DRNT	NOT GIVEN	NOT GIVEN	NO DATES PROVIDED	53.4 ±5.27		
4782951	DRNT	21-OCT-10	NOT GIVEN	NO END DATE PROVIDED	53.4 ±5.27		
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22106	01-FEB-11	18-JAN-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782956	DRNT	21-OCT-10	NOT GIVEN	NO END DATE PROVIDED	58.6 ±5.64		
4782957	DRNT	21-OCT-10	15-JAN-11		50.4 ±5.04	0.6 ±0.06	
4782961	DRN	20-OCT-10	NOT GIVEN	NO END DATE PROVIDED	51.4 ±5.11		
4788163	DRNF	20-OCT-10	NOT GIVEN	NO END DATE PROVIDED	374.4 ±17.8		
4788165	DRNF	20-OCT-10	NOT GIVEN	NO END DATE PROVIDED	168.1 ±10.9		
4788167	DRNF	21-OCT-10	14-JAN-11	BW0017	147.9 ±10.0	1.7 ±0.12	
4788171	DRNF	NOT GIVEN	NOT GIVEN	NO DATES PROVIDED	88.2 ±7.00		
4788177	DRNF	18-OCT-10	14-JAN-11	BW0008-OUTDOOR DETECTOR	64.0 ±5.51	0.7 ±0.06	
4788178	DRNF	19-OCT-10	NOT GIVEN	NO END DATE PROVIDED	130.7 ±9.2		
4788223	DRNF	NOT GIVEN	NOT GIVEN	NO DATES PROVIDED	61.0 ±5.31		
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22106	01-FEB-11	18-JAN-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4788290	DRNF	12-OCT-10	NOT GIVEN	NO END DATE PROVIDED	85.2 ±6.82		
4788292	DRNF	NOT GIVEN	NOT GIVEN	NO DATES PROVIDED	82.2 ±6.64		
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22106	01-FEB-11	18-JAN-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782923	DRNT	22-OCT-10	19-JAN-11	PV0006 OUTDOOR	52.2 ±5.17	0.6 ±0.06	
4782934	DRNT	22-OCT-10	18-JAN-11	HMC MONITORING STATION 1	67.6 ±6.25	0.8 ±0.07	
4782939	DRNM	03-NOV-10	19-JAN-11	MA0134 OUTDOOR	82.0 ±7.17	1.1 ±0.09	
4782965	DRNT	23-OCT-10	19-JAN-11	PV0130 OUTDOOR	67.6 ±6.25	0.8 ±0.07	
4782971	DRNT	21-OCT-10	19-JAN-11	* - LESS THAN INDICATED VALUE FA0076 OUTDOOR DETECTOR	* 30.0	* 0.3 ±0.04	
4782974	DRNT	23-OCT-10	18-JAN-11	* - LESS THAN INDICATED VALUE HMC MONITORING STATION 9	* 30.0	* 0.3 ±0.04	
4782975	DRNT	23-OCT-10	18-JAN-11	* - LESS THAN INDICATED VALUE HMC MONITORING STATION 9	* 30.0	* 0.3 ±0.04	
4782976	DRNT	23-OCT-10	18-JAN-11	* - LESS THAN INDICATED VALUE HMC MONITORING STATION 9	* 30.0	* 0.3 ±0.05	
4782977	DRNT	23-OCT-10	18-JAN-11	HMC MONITORING STATION 1	54.3 ±5.32	0.6 ±0.06	
4782979	DRNT	23-OCT-10	18-JAN-11	HMC MONITORING STATION 1	57.3 ±5.54	0.7 ±0.06	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22110	08-FEB-11	21-JAN-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4788222	DRNF	15-OCT-10	18-JAN-11	VV0001	45.3 ±4.19	0.5 ±0.04	
4788224	DRNF	16-OCT-10	19-JAN-11	BV0160	60.4 ±5.26	0.6 ±0.06	
4788226	DRNF	16-OCT-10	19-JAN-11	BV0160 OUTDOOR	34.3 ±3.33	0.4 ±0.04	
4788235	DRNF	20-OCT-10	19-JAN-11	BV0126	208.1 ±12.5	2.3 ±0.14	
4788239	DRNF	20-OCT-10	19-JAN-11	BV0126-OUTDOOR DETECTOR	37.3 ±3.57	0.4 ±0.04	
4788247	DRNF	20-OCT-10	19-JAN-11	BV0159-INDOOR DETECTOR	55.4 ±4.91	0.6 ±0.05	
4788249	DRNF	20-OCT-10	19-JAN-11	BV0159-OUTDOOR DETECTOR	67.5 ±5.72	0.7 ±0.06	
4788250	DRNF	20-OCT-10	19-JAN-11	BV0159-OUTDOOR DETECTOR QC FOR 4788249	43.3 ±4.04	0.5 ±0.04	
4788294	DRNF	15-OCT-10	18-JAN-11	VV0001	486.2 ±20.7	5.1 ±0.22	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22110	08-FEB-11	21-JAN-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782895	DRNT	20-NOV-10	01-MAR-11	BASEMENT OT0035-01-A	1444.8 ±38.6	14.3 ±0.38	
4782898	DRNT	20-NOV-10	01-MAR-11	BEDROOM OT0035-01-B	158.3 ±11.0	1.6 ±0.11	
4782899	DRNT	20-NOV-10	01-MAR-11	BASEMENT OT0035-01-C	1662.7 ±41.6	16.5 ±0.41	
4782959	DRN	20-OCT-10	03-MAR-11	BEDROOM; SOUTH WALL PV0136-01-B	330.0 ±17.1	2.5 ±0.13	
4782960	DRN	20-OCT-10	03-MAR-11	BEDROOM; SOUTH WALL PV0136-01-C	349.9 ±17.7	2.6 ±0.13	
4782969	DRNT	21-OCT-10	01-MAR-11	DINING ROOM; SW CORNER FA0076-01-A	180.1 ±11.9	1.4 ±0.09	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
KJT	A22136	14-MAR-11	07-MAR-11

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Site #: TO0005100801
Contact Name: Robert Sherman
Contact Phone: 505-285-5395

No: 1-0005100801-110304-0002

DateShipped: 3/4/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	MS/MSD	Sampler
	FA0076-01-A	4782969	Radon	Air	10/21/2010	11:10:00 AM	3/1/2011	1:45:00 PM	1	Track Etch Detector	None		START
	MA0090-01-A	4795147	Radon	Air	9/14/2010	10:00:00 AM	3/3/2011	10:10:00 AM	1	Track Etch Detector	None		START
	OT0035-01-A	4782895	Radon	Air	11/18/2010	1:01:00 PM	3/1/2011	9:36:00 AM	1	Track Etch Detector	None		START
	OT0035-01-B	4782898	Radon	Air	11/18/2010	1:01:00 PM	3/1/2011	9:41:00 AM	1	Track Etch Detector	None		START
	OT0035-01-C	4782899	Radon	Air	11/18/2010	1:01:00 PM	3/1/2011	9:36:00 AM	1	Track Etch Detector	None		START
	PV0136-01-B	4782959	Radon	Air	10/21/2010	2:08:00 PM	3/3/2011	10:37:00 AM	1	Track Etch Detector	None		START
	PV0136-01-C	4782960	Radon	Air	10/21/2010	2:08:00 PM	3/3/2011	10:37:00 AM	1	Track Etch Detector	None		START
	PV0136-02-A	4822933	Radon	Air	1/13/2011	9:30:00 AM	3/3/2011	10:31:00 AM	1	Track Etch Detector	None		START
	PV0136-02-D	4783612	Radon	Air	10/21/2010	2:08:00 PM	3/3/2011	10:31:00 AM	1	Track Etch Detector	None		START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
9/Samples	[illegible]	3/4/2011	[illegible]	3/9/11	8:5 am						

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782885	DRNT	03-NOV-10	12-APR-11	MA0134-01-A	115.2 ±8.5	0.7 ±0.05	
4782913	DRNT	11-JAN-11	13-APR-11	PV0008-02-A	67.8 ±5.82	0.7 ±0.06	
4782914	DRNT	11-JAN-11	13-APR-11	PV0008-02-D	53.4 ±4.84	0.6 ±0.05	
4782915	DRNT	11-JAN-11	13-APR-11	VV0003-02-D	42.1 ±4.00	0.5 ±0.04	
4782916	DRNT	11-JAN-11	13-APR-11	* - LESS THAN INDICATED VALUE VV003-02-E	* 30.0	* 0.3 ±0.04	
4782917	DRNT	11-JAN-11	15-APR-11	VV0061-02-A	762.7 ±27.0	8.1 ±0.29	
4782920	DRNT	11-JAN-11	13-APR-11	VV0003-02-A	334.4 ±16.9	3.6 ±0.18	
4782927	DRNT	11-JAN-11	14-APR-11	* - LESS THAN INDICATED VALUE FA0052-02-F	* 30.0	* 0.3 ±0.03	
4782928	DRNT	11-JAN-11	14-APR-11	* - LESS THAN INDICATED VALUE FA0052-02-D	* 30.0	* 0.3 ±0.03	
4782929	DRNT	11-JAN-11	14-APR-11	FA0052-02-A	109.0 ±8.2	1.2 ±0.09	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22167	28-APR-11	21-APR-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782930	DRNT	11-JAN-11	13-APR-11	MA0048-02-D	58.6 ±5.20	0.6 ±0.06	
4782931	DRNT	11-JAN-11	13-APR-11	MA0048-02-A	304.1 ±15.9	3.3 ±0.17	
4782932	DRNT	11-JAN-11	13-APR-11	MA0049-02-A	227.0 ±13.3	2.5 ±0.14	
4782940	DRNT	11-JAN-11	13-APR-11	MA0049-02-D	38.0 ±3.68	0.4 ±0.04	
4782943	DRNT	11-JAN-11	18-APR-11	MA0024-02-A	155.5 ±10.5	1.6 ±0.11	
4782945	DRNT	11-JAN-11	18-APR-11	MA0024-02-D	76.0 ±6.34	0.8 ±0.07	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22167	28-APR-11	21-APR-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
KANSAS CITY, MO 64106

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783568	DRN	19-JAN-11	18-APR-11	MA0005-02-A ✓	396.6 ±18.9	4.5 ±0.21	
4783569	DRN	19-JAN-11	18-APR-11	MA0005-02-C ✓	420.4 ±19.6	4.7 ±0.22	
4783575	DRN	13-JAN-11	14-APR-11	* - LESS THAN INDICATED VALUE BV0110-02-D ✓	* 30.0	* 0.3 ±0.03	
4783576	DRN	13-JAN-11	14-APR-11	* - LESS THAN INDICATED VALUE BV0106-02-D ✓	* 30.0	* 0.3 ±0.04	
4783579	DRN	13-JAN-11	14-APR-11	BV0104-02-A ✓	44.7 ±4.24	0.5 ±0.05	
4783580	DRN	13-JAN-11	14-APR-11	* - LESS THAN INDICATED VALUE BV0104-02-D ✓	* 30.0	* 0.3 ±0.04	
4783620	DRN	13-JAN-11	15-APR-11	BV0112-02-A ✓	392.3 ±18.8	4.3 ±0.20	
4783621	DRN	13-JAN-11	15-APR-11	* - LESS THAN INDICATED VALUE BV0112-02-D ✓	* 30.0	* 0.3 ±0.04	
4817902	DRNM	13-JAN-11	15-APR-11	* - LESS THAN INDICATED VALUE VV0061-02-D ✓	* 30.0	* 0.3 ±0.04	
4817912	DRNM	19-JAN-11	18-APR-11	MA0097-02-D ✓	32.5 ±3.43	0.4 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22167	28-APR-11	21-APR-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
KANSAS CITY, MO 64106

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817913	DRNM	19-JAN-11	18-APR-11	MA0097-02-A ✓	104.5 ±8.0	1.2 ±0.09	
4817915	DRNM	13-JAN-11	15-APR-11	BV0114-02-A ✓	138.4 ±9.6	1.5 ±0.10	
4817916	DRNM	13-JAN-11	15-APR-11	BV0146-02-A ✓	41.6 ±4.16	0.5 ±0.05	
4817917	DRNM	13-JAN-11	15-APR-11	BV0113-02-D ✓	39.8 ±4.02	0.4 ±0.04	
4817918	DRNM	19-JAN-11	18-APR-11	* - LESS THAN INDICATED VALUE MA0005-02-D ✓	* 30.0	* 0.3 ±0.04	
4817919	DRNM	19-JAN-11	18-APR-11	MA0005-02-E ✓	36.2 ±3.73	0.4 ±0.04	
4817920	DRNM	19-JAN-11	18-APR-11	MA0134-02-D ✓	39.8 ±4.02	0.4 ±0.05	
4822927	DRNT	13-JAN-11	18-APR-11	* - LESS THAN INDICATED VALUE FA0075-02-D ✓	* 30.0	* 0.3 ±0.03	
4822960	DRNT	13-JAN-11	15-APR-11	BV0111-02-A ✓	198.1 ±11.3	2.2 ±0.12	
4822978	DRNT	13-JAN-11	14-APR-11	BV0123-02-D ✓	50.2 ±4.08	0.6 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22167	28-APR-11	21-APR-11

Radon Monitoring Report

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4822995	DRNT	13-JAN-11	15-APR-11	BV0113-02-E ✓	33.1 ±2.87	0.4 ±0.03	
4823000	DRNT	13-JAN-11	15-APR-11	BV0111-02-C ✓	205.8 ±11.6	2.2 ±0.13	
4823010	DRNT	13-JAN-11	15-APR-11	* - LESS THAN INDICATED VALUE BV0146-02-D ✓	* 30.0	* 0.3 ±0.03	
4823011	DRNT	13-JAN-11	14-APR-11	BV0070-02-D ✓	54.0 ±4.34	0.6 ±0.05	
4823040	DRNT	13-JAN-11	18-APR-11	BV0137-02-D ✓	58.7 ±4.64	0.6 ±0.05	
4823065	DRNT	13-JAN-11	15-APR-11	* - LESS THAN INDICATED VALUE BV0111-02-D ✓	* 30.0	* 0.3 ±0.03	
4823066	DRNT	13-JAN-11	15-APR-11	* - LESS THAN INDICATED VALUE BV0139-02-D ✓	* 30.0	* 0.3 ±0.03	
4823091	DRNT	13-JAN-11	18-APR-11	FA0075-02-A ✓	155.0 ±9.6	1.6 ±0.10	
4823092	DRNT	13-JAN-11	15-APR-11	BV0114-02-D ✓	45.4 ±3.76	0.5 ±0.04	
4823118	DRNT	13-JAN-11	14-APR-11	BV0070-02-A ✓	127.3 ±8.4	1.4 ±0.09	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22167	28-APR-11	21-APR-11

Radon Monitoring Report

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4823124	DRNT	13-JAN-11	14-APR-11	* - LESS THAN INDICATED VALUE BV0123-02-A ✓	* 30.0	* 0.3 ±0.03	
4823141	DRNT	13-JAN-11	15-APR-11	BV0113-02-A ✓	43.5 ±3.63	0.5 ±0.04	
4823145	DRNT	13-JAN-11	18-APR-11	BV0137-02-A ✓	34.1 ±2.94	0.4 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22167	28-APR-11	21-APR-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

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Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782907	DRNT	11-JAN-11	19-APR-11	PV0012-02-A	109.5 ±8.2	1.1 ±0.08	
4782908	DRNT	11-JAN-11	19-APR-11	PV0012-02-C	86.8 ±6.95	0.9 ±0.07	
4782909	DRNT	11-JAN-11	19-APR-11	PV0012-02-D	34.4 ±3.36	0.4 ±0.03	
4782912	DRNT	11-JAN-11	19-APR-11	PV0012-02-E	31.3 ±3.10	0.3 ±0.03	
4782919	DRNT	11-JAN-11	19-APR-11	PV0004-02-D	69.3 ±5.88	0.7 ±0.06	
4782941	DRNT	11-JAN-11	22-APR-11	MA0021-02-A	380.0 ±18.2	3.8 ±0.18	
4782942	DRNT	11-JAN-11	22-APR-11	MA0021-02-D	43.7 ±4.09	0.4 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22184	18-MAY-11	06-MAY-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782921	DRNT	22-OCT-10	07-MAY-11	PV0006-01-A	419.4 ±19.2	2.1 ±0.10	
4782922	DRNT	22-OCT-10	07-MAY-11	PV0006-01-C	396.2 ±18.6	2.0 ±0.09	
4782962	DRN	23-OCT-10	07-MAY-11	* - LESS THAN INDICATED VALUE BW0018-01-D	* 30.0	* 0.2 ±0.02	
4782966	DRNT	23-OCT-10	07-MAY-11	BW0018-01-A	455.2 ±20.2	2.3 ±0.10	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22185	18-MAY-11	11-MAY-11

Radon Monitoring Report

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783116	DRNM	13-JAN-11	19-APR-11	MA0100-02-D	47.8 ±4.40	0.5 ±0.05	
4783117	DRNM	15-JAN-11	26-APR-11	PV0026-02-D	41.6 ±3.93	0.4 ±0.04	
4783118	DRNM	13-JAN-11	28-APR-11	* - LESS THAN INDICATED VALUE PV0027-02-D	* 30.0	* 0.3 ±0.03	
4783138	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE FMS11-02-A	* 30.0	* 0.3 ±0.03	
4783139	DRNM	18-JAN-11	02-MAY-11	FMS11-02-D	41.6 ±3.93	0.4 ±0.04	
4783140	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE FMS12-02-A	* 30.0	* 0.3 ±0.03	
4783557	DRN	19-JAN-11	23-APR-11	MA0091-02-D	42.0 ±4.00	0.4 ±0.04	
4783558	DRN	19-JAN-11	23-APR-11	MA0091-02-A	89.7 ±7.20	1.0 ±0.08	
4783585	DRN	19-JAN-11	23-APR-11	BV0159-02-A	66.3 ±5.75	0.7 ±0.06	
4783586	DRN	19-JAN-11	23-APR-11	BV0159-02-D	79.1 ±6.57	0.8 ±0.07	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22184	18-MAY-11	06-MAY-11

Radon Monitoring Report

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783591	DRN	16-JAN-11	23-APR-11	PV0073-02-A	32.5 ±3.23	0.3 ±0.03	
4783595	DRN	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC09-02-A	* 30.0	* 0.3 ±0.04	
4783596	DRN	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC01-02-A	* 30.0	* 0.3 ±0.03	
4783603	DRN	19-JAN-11	27-APR-11	* - LESS THAN INDICATED VALUE PV0130-02-D	* 30.0	* 0.3 ±0.03	
4783613	DRN	19-JAN-11	23-APR-11	BV0160-02-A	38.8 ±3.75	0.4 ±0.04	
4783614	DRN	19-JAN-11	23-APR-11	* - LESS THAN INDICATED VALUE BV0159-02-E	* 30.0	* 0.3 ±0.03	
4783624	DRN	19-JAN-11	22-APR-11	BV0191-02-D	35.6 ±3.50	0.4 ±0.04	
4783625	DRN	19-JAN-11	22-APR-11	BV0191-02-A	58.9 ±5.25	0.6 ±0.06	
4783633	DRN	19-JAN-11	23-APR-11	* - LESS THAN INDICATED VALUE BV0066-02-D	* 30.0	* 0.3 ±0.03	
4783637	DRN	19-JAN-11	27-APR-11	BV0126-02-A	131.1 ±9.4	1.3 ±0.10	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22184	18-MAY-11	06-MAY-11

Radon Monitoring Report

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783639	DRN	19-JAN-11	27-APR-11	* - LESS THAN INDICATED VALUE BV0126-02-D	* 30.0	* 0.3 ±0.03	
4783644	DRN	19-JAN-11	23-APR-11	* - LESS THAN INDICATED VALUE BV0160-02-D	* 30.0	* 0.3 ±0.03	
4783645	DRN	19-JAN-11	23-APR-11	FA0076-02-D	46.2 ±4.33	0.5 ±0.05	
4795063	DRNT	19-JAN-11	23-APR-11	MA0094-02-A	509.3 ±20.9	5.4 ±0.22	
4795114	DRNT	11-JAN-11	19-APR-11	FV0004-01-B	310.4 ±15.5	3.2 ±0.16	
4817828	DRNM	18-JAN-11	02-MAY-11	FMS08-02-D	72.4 ±6.18	0.7 ±0.06	
4817829	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE FMS09-02-A	* 30.0	* 0.3 ±0.03	
4817830	DRNM	18-JAN-11	02-MAY-11	FMS09-02-D	49.6 ±4.69	0.5 ±0.05	
4817831	DRNM	18-JAN-11	02-MAY-11	HMC06-02-A	31.4 ±3.28	0.3 ±0.03	
4817832	DRNM	18-JAN-11	02-MAY-11	FMS05-02-A	34.2 ±3.51	0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22184	18-MAY-11	06-MAY-11

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817833	DRNM	18-JAN-11	02-MAY-11	FMS05-02-D	87.9 ±7.08	0.8 ±0.07	
4817834	DRNM	18-JAN-11	02-MAY-11	FMS07-02-A	37.8 ±3.80	0.4 ±0.04	
4817835	DRNM	18-JAN-11	02-MAY-11	FMS07-02-D	58.7 ±5.32	0.6 ±0.05	
4817836	DRNM	18-JAN-11	02-MAY-11	FMS08-02-A	39.6 ±3.94	0.4 ±0.04	
4817840	DRNM	18-JAN-11	02-MAY-11	HMC07-02-A	46.9 ±4.49	0.5 ±0.04	
4817841	DRNM	18-JAN-11	02-MAY-11	HMC06-02-D	46.0 ±4.42	0.4 ±0.04	
4817842	DRNM	18-JAN-11	02-MAY-11	HMC06-02-F	48.7 ±4.62	0.5 ±0.04	
4817845	DRNM	14-JAN-11	25-APR-11	* - LESS THAN INDICATED VALUE BW0002-02-D	* 30.0	* 0.3 ±0.03	
4817846	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE FMS10-02-A	* 30.0	* 0.3 ±0.03	
4817847	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE FMS10-02-C	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817849	DRNM	18-JAN-11	02-MAY-11	FMS10-02-D	40.5 ±4.01	0.4 ±0.04	
4817850	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE FMS06-02-A	* 30.0	* 0.3 ±0.03	
4817851	DRNM	18-JAN-11	02-MAY-11	FMS06-02-C	46.9 ±4.49	0.5 ±0.04	
4817852	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE FMS06-02-D	* 30.0	* 0.3 ±0.03	
4817854	DRNM	18-JAN-11	02-MAY-11	HMC02-02-A	90.6 ±7.23	0.9 ±0.07	
4817855	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC09-02-F	* 30.0	* 0.3 ±0.03	
4817856	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC09-02-D	* 30.0	* 0.3 ±0.03	
4817857	DRNM	13-JAN-11	19-APR-11	VV0041-02-D	57.8 ±5.26	0.6 ±0.05	
4817859	DRNM	14-JAN-11	21-APR-11	VV0004-02-D	36.0 ±3.65	0.4 ±0.04	
4817860	DRNM	14-JAN-11	03-MAY-11	* - LESS THAN INDICATED VALUE BW0013-02-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Radon Monitoring Report

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817861	DRNM	13-JAN-11	20-APR-11	VV0017-02-D	43.3 ±4.22	0.4 ±0.04	
4817863	DRNM	15-JAN-11	29-APR-11	VV0013-02-D	32.3 ±3.35	0.3 ±0.03	
4817867	DRNM	18-JAN-11	02-MAY-11	FMS01-02-A	63.3 ±5.61	0.6 ±0.05	
4817868	DRNM	18-JAN-11	02-MAY-11	FMS01-02-D	77.9 ±6.51	0.7 ±0.06	
4817869	DRNM	18-JAN-11	02-MAY-11	FMS02-02-A	53.3 ±4.94	0.5 ±0.05	
4817870	DRNM	13-JAN-11	23-APR-11	PV0034-02-D	53.3 ±4.94	0.5 ±0.05	
4817871	DRNM	13-JAN-11	27-APR-11	PV0033-02-E	35.1 ±3.58	0.3 ±0.03	
4817872	DRNM	13-JAN-11	27-APR-11	PV0033-02-D	32.3 ±3.35	0.3 ±0.03	
4817873	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC01-02-D	* 30.0	* 0.3 ±0.03	
4817874	DRNM	18-JAN-11	02-MAY-11	HMC01-02-F	57.8 ±5.26	0.6 ±0.05	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22184	18-MAY-11	06-MAY-11

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817879	DRNM	18-JAN-11	02-MAY-11	FMS04-02-D	76.0 ±6.40	0.7 ±0.06	
4817880	DRNM	18-JAN-11	02-MAY-11	HMC07-02-D	39.6 ±3.94	0.4 ±0.04	
4817881	DRNM	18-JAN-11	02-MAY-11	HMC07-02-F	51.4 ±4.82	0.5 ±0.05	
4817886	DRNM	18-JAN-11	26-APR-11	VV0001-02-A	553.5 ±21.6	5.6 ±0.22	
4817887	DRNM	18-JAN-11	26-APR-11	VV0001-02-D	76.9 ±6.46	0.8 ±0.07	
4817890	DRNM	18-JAN-11	02-MAY-11	HMC03-02-A	34.2 ±3.51	0.3 ±0.03	
4817892	DRNM	18-JAN-11	02-MAY-11	HMC03-02-D	74.2 ±6.29	0.7 ±0.06	
4817893	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC03-02-F	* 30.0	* 0.3 ±0.03	
4817894	DRNM	18-JAN-11	02-MAY-11	HMC04-02-A	46.0 ±4.42	0.4 ±0.04	
4817895	DRNM	18-JAN-11	02-MAY-11	HMC04-02-D	46.0 ±4.42	0.4 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22184	18-MAY-11	06-MAY-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
KANSAS CITY, MO 64106

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817897	DRNM	18-JAN-11	02-MAY-11	HMC04-02-F	50.5 ±4.75	0.5 ±0.05	
4817898	DRNM	18-JAN-11	02-MAY-11	HMC02-02-D	93.4 ±7.38	0.9 ±0.07	
4817899	DRNM	18-JAN-11	02-MAY-11	HMC02-02-F	89.7 ±7.18	0.9 ±0.07	
4817903	DRNM	13-JAN-11	22-APR-11	BV0122-02-D	53.3 ±4.94	0.5 ±0.05	
4817904	DRNM	18-JAN-11	02-MAY-11	FMS12-02-D	47.8 ±4.56	0.5 ±0.04	
4817906	DRNM	18-JAN-11	02-MAY-11	HMC08-02-A	68.7 ±5.96	0.7 ±0.06	
4817907	DRNM	18-JAN-11	02-MAY-11	HMC08-02-D	49.6 ±4.69	0.5 ±0.05	
4817908	DRNM	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC08-02-F	* 30.0	* 0.3 ±0.03	
4817910	DRNM	19-JAN-11	23-APR-11	MA0094-02-D	40.5 ±4.01	0.4 ±0.04	
4817922	DRNM	19-JAN-11	27-APR-11	MA0090-02-D	46.9 ±4.49	0.5 ±0.05	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22184	18-MAY-11	06-MAY-11

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817923	DRNM	14-JAN-11	25-APR-11	* - LESS THAN INDICATED VALUE BW0005-02-D	* 30.0	* 0.3 ±0.04	
4817924	DRNM	14-JAN-11	28-APR-11	* - LESS THAN INDICATED VALUE BW0008-02-D	* 30.0	* 0.3 ±0.04	
4817925	DRNM	14-JAN-11	25-APR-11	* - LESS THAN INDICATED VALUE BW0006-02-D	* 30.0	* 0.3 ±0.04	
4817927	DRNM	18-JAN-11	02-MAY-11	FMS02-02-D	46.0 ±4.42	0.4 ±0.04	
4817928	DRNM	18-JAN-11	02-MAY-11	FMS03-02-A	40.5 ±4.01	0.4 ±0.04	
4817929	DRNM	18-JAN-11	02-MAY-11	FMS03-02-D	37.8 ±3.80	0.4 ±0.04	
4817930	DRNM	18-JAN-11	02-MAY-11	FMS04-02-A	45.1 ±4.36	0.4 ±0.04	
4822900	DRNT	18-JAN-11	02-MAY-11	HMC05-02-A	38.4 ±3.19	0.4 ±0.03	
4822905	DRNT	15-JAN-11	20-APR-11	MA0099-02-A	358.9 ±16.4	3.8 ±0.17	
4822911	DRNT	12-JAN-11	22-APR-11	BV0122-02-A	592.1 ±22.1	5.9 ±0.22	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22184	18-MAY-11	06-MAY-11

Radon Monitoring Report

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KANSAS CITY, MO 64106

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LANDAUER

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4822915	DRNT	18-JAN-11	19-APR-11	FA0187-02-A	202.5 ±11.4	2.2 ±0.12	
4822916	DRNT	15-JAN-11	30-APR-11	MA0046-02-A	238.1 ±12.7	2.3 ±0.12	
4822920	DRNT	15-JAN-11	03-MAY-11	* - LESS THAN INDICATED VALUE FA0087-02-D	* 30.0	* 0.3 ±0.03	
4822923	DRNT	14-JAN-11	21-APR-11	VV0004-02-A	106.9 ±7.3	1.1 ±0.07	
4822928	DRNT	16-JAN-11	19-APR-11	VV0041-02-A	41.3 ±3.39	0.4 ±0.04	
4822930	DRNT	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC05-02-D	* 30.0	* 0.3 ±0.03	
4822932	DRNT	12-JAN-11	03-MAY-11	BW0013-02-A	333.7 ±15.7	3.0 ±0.14	
4822936	DRNT	16-JAN-11	21-APR-11	OT0035-02-D	37.5 ±3.12	0.4 ±0.03	
4822939	DRNT	15-JAN-11	30-APR-11	* - LESS THAN INDICATED VALUE FA0053-02-D	* 30.0	* 0.3 ±0.03	
4822941	DRNT	15-JAN-11	19-APR-11	* - LESS THAN INDICATED VALUE FA0187-02-D	* 30.0	* 0.3 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22184	18-MAY-11	06-MAY-11

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4822942	DRNT	15-JAN-11	29-APR-11	* - LESS THAN INDICATED VALUE MA0101-02-D	* 30.0	* 0.3 ±0.03	
4822947	DRNT	15-JAN-11	27-APR-11	MA0101-02-A	266.0 ±13.6	2.6 ±0.13	
4822948	DRNT	13-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE BV0071-02-A	* 30.0	* 0.3 ±0.02	
4822950	DRNT	15-JAN-11	20-APR-11	MA0099-02-D	46.0 ±3.72	0.5 ±0.04	
4822951	DRNT	16-JAN-11	21-APR-11	BV0143-02-D	30.9 ±2.64	0.3 ±0.03	
4822952	DRNT	12-JAN-11	25-APR-11	BW0001-02-A	85.9 ±6.15	0.8 ±0.06	
4822955	DRNT	16-JAN-11	21-APR-11	OT0035-02-F	1484.8 ±37.2	15.6 ±0.39	
4822956	DRNT	12-JAN-11	25-APR-11	BW0003-02-A	93.5 ±6.56	0.9 ±0.06	
4822959	DRNT	14-JAN-11	25-APR-11	* - LESS THAN INDICATED VALUE BW0003-02-D	* 30.0	* 0.3 ±0.03	
4822962	DRNT	15-JAN-11	27-APR-11	* - LESS THAN INDICATED VALUE MA0025-02-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22184	18-MAY-11	06-MAY-11

Radon Monitoring Report

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4822964	DRNT	15-JAN-11	27-APR-11	MA0025-02-A	257.3 ±13.3	2.5 ±0.13	
4822965	DRNT	15-JAN-11	29-APR-11	VV0013-02-A	677.4 ±23.9	6.5 ±0.23	
4822967	DRNT	13-JAN-11	21-APR-11	* - LESS THAN INDICATED VALUE BV0141-02-A	* 30.0	* 0.3 ±0.03	
4822969	DRNT	15-JAN-11	26-APR-11	PV0026-02-A	198.7 ±11.2	2.0 ±0.11	
4822974	DRNT	15-JAN-11	27-APR-11	PV0033-02-A	84.0 ±6.05	0.8 ±0.06	
4822976	DRNT	15-JAN-11	20-APR-11	FA0083-01-A	290.2 ±14.4	3.1 ±0.15	
4822980	DRNT	15-JAN-11	20-APR-11	FA0083-01-D	45.1 ±3.66	0.5 ±0.04	
4822981	DRNT	15-JAN-11	20-APR-11	VV0040-02-A	306.6 ±14.9	3.2 ±0.16	
4822984	DRNT	16-JAN-11	30-APR-11	FA0053-02-A	224.6 ±12.2	2.2 ±0.12	
4822986	DRNT	12-JAN-11	19-APR-11	MA0100-02-A	287.3 ±14.3	3.0 ±0.15	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4822987	DRNT	16-JAN-11	19-APR-11	VV0059-02-D	46.0 ±3.72	0.5 ±0.04	
4822990	DRNT	16-JAN-11	21-APR-11	OT0035-02-A	91.6 ±6.46	1.0 ±0.07	
4822992	DRNT	12-JAN-11	23-APR-11	PV0034-02-A	55.5 ±4.35	0.5 ±0.04	
4822993	DRNT	12-JAN-11	25-APR-11	BW0005-02-A	76.4 ±5.62	0.7 ±0.05	
4822994	DRNT	16-JAN-11	25-APR-11	* - LESS THAN INDICATED VALUE BW0002-02-A	* 30.0	* 0.3 ±0.03	
4822996	DRNT	16-JAN-11	23-APR-11	* - LESS THAN INDICATED VALUE PV0073-02-D	* 30.0	* 0.3 ±0.03	
4822998	DRNT	13-JAN-11	20-APR-11	VV0017-02-A	340.5 ±15.9	3.5 ±0.16	
4822999	DRNT	16-JAN-11	21-APR-11	BV0143-02-A	69.8 ±5.23	0.7 ±0.06	
4823003	DRNT	18-JAN-11	02-MAY-11	* - LESS THAN INDICATED VALUE HMC05-02-F	* 30.0	* 0.3 ±0.03	
4823004	DRNT	12-JAN-11	25-APR-11	* - LESS THAN INDICATED VALUE BW0001-02-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22184	18-MAY-11	06-MAY-11

Radon Monitoring Report

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4823006	DRNT	15-JAN-11	30-APR-11	MA0046-02-C	212.1 ±11.7	2.0 ±0.11	
4823016	DRNT	12-JAN-11	25-APR-11	BW0020-02-D	60.3 ±4.65	0.6 ±0.05	
4823018	DRNT	15-JAN-11	20-APR-11	VV0040-02-D	61.2 ±4.71	0.6 ±0.05	
4823019	DRNT	15-JAN-11	20-APR-11	MA0099-02-C	354.1 ±16.3	3.7 ±0.17	
4823021	DRNT	12-JAN-11	28-APR-11	BW0008-02-A	100.2 ±6.9	0.9 ±0.07	
4823031	DRNT	15-JAN-11	30-APR-11	MA0046-02-D	75.5 ±5.56	0.7 ±0.05	
4823032	DRNT	13-JAN-11	30-APR-11	BV0118-02-D	30.9 ±2.64	0.3 ±0.02	
4823041	DRNT	12-JAN-11	25-APR-11	BW0020-02-A	124.0 ±8.1	1.2 ±0.08	
4823043	DRNT	13-JAN-11	19-APR-11	VV0059-02-A	181.4 ±10.6	1.9 ±0.11	
4823059	DRNT	16-JAN-11	03-MAY-11	* - LESS THAN INDICATED VALUE FA0087-02-A	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4823063	DRNT	15-JAN-11	21-APR-11	VV0043-02-D	35.6 ±2.99	0.4 ±0.03	
4823078	DRNT	13-JAN-11	02-MAY-11	BV0071-02-D	53.6 ±4.23	0.5 ±0.04	
4823082	DRNT	14-JAN-11	25-APR-11	BW0006-02-A	200.6 ±11.3	2.0 ±0.11	
4823084	DRNT	13-JAN-11	30-APR-11	BV0119-02-A	59.3 ±4.59	0.6 ±0.04	
4823099	DRNT	13-JAN-11	21-APR-11	BV0141-02-D	42.2 ±3.46	0.4 ±0.04	
4823100	DRNT	13-JAN-11	30-APR-11	BV0118-02-A	88.8 ±6.31	0.8 ±0.06	
4823133	DRNT	15-JAN-11	21-APR-11	VV0043-02-A	342.4 ±15.9	3.6 ±0.17	
4823158	DRNT	12-JAN-11	25-APR-11	* - LESS THAN INDICATED VALUE BW0004-02-D	* 30.0	* 0.3 ±0.03	
4823163	DRNT	15-JAN-11	28-APR-11	PV0027-02-A	133.6 ±8.5	1.3 ±0.08	
4823167	DRNT	12-JAN-11	25-APR-11	BW0020-02-C	120.2 ±7.9	1.2 ±0.08	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4823181	DRNT	13-JAN-11	30-APR-11	BV0119-02-D	42.2 ±3.46	0.4 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22184	18-MAY-11	06-MAY-11

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783604	DRN	19-JAN-11	06-MAY-11	VV0182-02-A	101.9 ±7.9	1.0 ±0.07	
4783611	DRN	13-JAN-11	05-MAY-11	* - LESS THAN INDICATED VALUE PV0072-02-D	* 30.0	* 0.3 ±0.03	
4783629	DRN	14-JAN-11	06-MAY-11	* - LESS THAN INDICATED VALUE BW0024-02-D	* 30.0	* 0.3 ±0.04	
4817843	DRNM	14-JAN-11	04-MAY-11	* - LESS THAN INDICATED VALUE BW0016-02-D	* 30.0	* 0.3 ±0.03	
4817862	DRNM	13-JAN-11	05-MAY-11	PV0045-02-D	48.6 ±4.60	0.4 ±0.04	
4817864	DRNM	14-JAN-11	06-MAY-11	* - LESS THAN INDICATED VALUE BW0024-02-E	* 30.0	* 0.3 ±0.03	
4817866	DRNM	14-JAN-11	05-MAY-11	* - LESS THAN INDICATED VALUE BW0022-02-D	* 30.0	* 0.3 ±0.03	
4817875	DRNM	19-JAN-11	07-MAY-11	PV0006-02-D	33.2 ±3.40	0.3 ±0.03	
4817876	DRNM	14-JAN-11	04-MAY-11	BW0014-02-D	31.4 ±3.25	0.3 ±0.03	
4817877	DRNM	14-JAN-11	07-MAY-11	BW0029-02-D	35.0 ±3.55	0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22185	18-MAY-11	11-MAY-11

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Radon Monitoring Report

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817878	DRNM	14-JAN-11	07-MAY-11	* - LESS THAN INDICATED VALUE BW0029-02-E	* 30.0	* 0.3 ±0.03	
4817900	DRNM	13-JAN-11	06-MAY-11	PV0044-02-D	55.0 ±5.04	0.5 ±0.04	
4817901	DRNM	13-JAN-11	05-MAY-11	* - LESS THAN INDICATED VALUE VV0016-02-D	* 30.0	* 0.3 ±0.03	
4817914	DRNM	13-JAN-11	05-MAY-11	BV0150-02-D	50.5 ±4.73	0.5 ±0.04	
4817926	DRNM	14-JAN-11	04-MAY-11	* - LESS THAN INDICATED VALUE BW0007-02-D	* 30.0	* 0.3 ±0.03	
4822901	DRNT	16-JAN-11	05-MAY-11	BW0022-02-A	30.7 ±2.61	0.3 ±0.02	
4822921	DRNT	16-JAN-11	06-MAY-11	* - LESS THAN INDICATED VALUE BW0024-02-A	* 30.0	* 0.3 ±0.02	
4822925	DRNT	16-JAN-11	04-MAY-11	* - LESS THAN INDICATED VALUE BW0014-02-A	* 30.0	* 0.3 ±0.03	
4822935	DRNT	16-JAN-11	06-MAY-11	BW0024-02-C	51.6 ±4.07	0.5 ±0.04	
4822937	DRNT	15-JAN-11	05-MAY-11	VV0016-02-A	434.8 ±18.4	4.0 ±0.17	
①	②	③	④	⑤	⑥	⑦	⑧

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AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22185	18-MAY-11	11-MAY-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
KANSAS CITY, MO 64106

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4822938	DRNT	12-JAN-11	07-MAY-11	* - LESS THAN INDICATED VALUE BW0031-02-D	* 30.0	* 0.3 ±0.02	
4822954	DRNT	12-JAN-11	04-MAY-11	BW0017-02-A	57.3 ±4.43	0.5 ±0.04	
4822963	DRNT	15-JAN-11	05-MAY-11	VV0016-02-C	531.9 ±20.7	4.8 ±0.19	
4822970	DRNT	15-JAN-11	06-MAY-11	* - LESS THAN INDICATED VALUE PV0030-02-D	* 30.0	* 0.3 ±0.03	
4822972	DRNT	12-JAN-11	04-MAY-11	BW0016-02-A	405.5 ±17.6	3.6 ±0.16	
4822973	DRNT	15-JAN-11	06-MAY-11	PV0030-02-E	36.4 ±3.02	0.3 ±0.03	
4822977	DRNT	12-JAN-11	07-MAY-11	BW0031-02-A	1883.3 ±42.4	16.4 ±0.37	
4822979	DRNT	16-JAN-11	05-MAY-11	PV0045-02-A	94.4 ±6.57	0.9 ±0.06	
4822983	DRNT	12-JAN-11	07-MAY-11	BW0019-02-D	51.6 ±4.07	0.4 ±0.04	
4822985	DRNT	12-JAN-11	06-MAY-11	BW0026-02-A	595.0 ±22.1	5.2 ±0.19	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22185	18-MAY-11	11-MAY-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
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LANDAUER

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4822988	DRNT	12-JAN-11	04-MAY-11	BW0007-02-A	41.2 ±3.36	0.4 ±0.03	
4823001	DRNT	12-JAN-11	04-MAY-11	* - LESS THAN INDICATED VALUE BW0017-02-D	* 30.0	* 0.3 ±0.02	
4823002	DRNT	12-JAN-11	06-MAY-11	BW0025-02-A	174.6 ±10.3	1.5 ±0.09	
4823007	DRNT	13-JAN-11	05-MAY-11	PV0072-02-A	225.4 ±12.2	2.0 ±0.11	
4823008	DRNT	12-JAN-11	06-MAY-11	* - LESS THAN INDICATED VALUE BW0026-02-D	* 30.0	* 0.3 ±0.02	
4823017	DRNT	13-JAN-11	05-MAY-11	BV0150-02-A	49.7 ±3.94	0.4 ±0.04	
4823022	DRNT	12-JAN-11	07-MAY-11	* - LESS THAN INDICATED VALUE BW0032-02-D	* 30.0	* 0.3 ±0.02	
4823030	DRNT	12-JAN-11	06-MAY-11	BW0025-02-D	30.7 ±2.61	0.3 ±0.02	
4823111	DRNT	13-JAN-11	06-MAY-11	PV0044-02-A	87.7 ±6.22	0.8 ±0.06	
4823150	DRNT	12-JAN-11	07-MAY-11	BW0032-02-A	123.9 ±8.0	1.1 ±0.07	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22185	18-MAY-11	11-MAY-11

Radon Monitoring Report

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LANDAUER

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Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4823176	DRNT	12-JAN-11	07-MAY-11	BW0019-02-A	179.4 ±10.4	1.6 ±0.09	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22185	18-MAY-11	11-MAY-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782867	DRNT	28-FEB-11	06-AUG-11	BV0109-01-D	45.9 ±4.01	0.3 ±0.03	
4782869	DRNT	28-FEB-11	NOT GIVEN	NO END DATE PROVIDED BV0109-01-A	32.6 ±3.00		
4782873	DRNT	02-MAR-11	06-AUG-11	BV0110-02-A	45.9 ±4.01	0.3 ±0.03	
4782881	DRNT	13-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE PV0008-03-D	* 30.0	* 0.3 ±0.02	
4782882	DRNT	13-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE VV0003-03-D	* 30.0	* 0.3 ±0.05	
4782900	DRNT	03-MAR-11	08-AUG-11	MA0090-02-A	79.8 ±6.23	0.5 ±0.04	
4782901	DRNT	09-MAR-11	06-AUG-11	DT0036-01-D	60.3 ±5.01	0.4 ±0.03	
4782902	DRNT	09-MAR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0047-01-D	* 30.0	* 0.2 ±0.02	
4782905	DRNT	09-MAR-11	08-AUG-11	MA0047-01-A	42.8 ±3.79	0.3 ±0.02	
4817369	DRNT	23-APR-11	08-AUG-11	MA0094-03-A	190.6 ±11.4	1.8 ±0.11	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	26-AUG-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
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LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817374	DRNT	21-APR-11	04-AUG-11	VV0043-03-A	214.4 ±12.3	2.0 ±0.12	
4817382	DRNT	23-APR-11	08-AUG-11	MA0094-03-D	51.5 ±4.61	0.5 ±0.04	
4817384	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS11-03-A	* 30.0	* 0.3 ±0.03	
4817385	DRNT	27-APR-11	08-AUG-11	MA0090-03-D	196.1 ±11.6	1.9 ±0.11	
4817387	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC06-03-A	* 30.0	* 0.3 ±0.04	
4817388	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS06-03-A	* 30.0	* 0.3 ±0.03	
4817400	DRNT	21-APR-11	04-AUG-11	* - LESS THAN INDICATED VALUE VV0043-03-D	* 30.0	* 0.3 ±0.03	
4817402	DRNT	02-MAY-11	03-AUG-11	FMS02-03-A	46.1 ±4.22	0.5 ±0.05	
4817406	DRNT	21-APR-11	06-AUG-11	BV0143-03-D	120.4 ±8.5	1.1 ±0.08	
4817410	DRNT	02-MAY-11	03-AUG-11	* - LESS THAN INDICATED VALUE FMS01-03-A	* 30.0	* 0.3 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22263	26-AUG-11	12-AUG-11

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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817414	DRNT	23-APR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0091-03-A	* 30.0	* 0.3 ±0.03	
4817422	DRNT	02-MAY-11	04-AUG-11	FMS12-03-D	86.8 ±6.78	0.9 ±0.07	
4817426	DRNT	21-APR-11	05-AUG-11	VV0004-03-A	37.1 ±3.55	0.3 ±0.03	
4817428	DRNT	21-APR-11	06-AUG-11	BV0143-03-A	55.1 ±4.85	0.5 ±0.05	
4817431	DRNT	NOT GIVEN	NOT GIVEN	NO DATES PROVIDED VV0004-03-D	49.7 ±4.48		
4817441	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS03-03-D	* 30.0	* 0.3 ±0.03	
4817443	DRNT	19-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE VV0041-03-A	* 30.0	* 0.3 ±0.03	
4817446	DRNT	14-APR-11	06-AUG-11	* - LESS THAN INDICATED VALUE BV0123-03-A	* 30.0	* 0.3 ±0.03	
4817448	DRNT	15-APR-11	08-AUG-11	VV0061-03-A	411.9 ±18.1	3.6 ±0.16	
4817456	DRNT	18-APR-11	06-AUG-11	FA0075-03-A	110.4 ±8.0	1.0 ±0.07	
①	②	③	④	⑤	⑥	⑦	⑧

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LMR	A22263	26-AUG-11	12-AUG-11

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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817457	DRNT	19-APR-11	05-AUG-11	FA0187-03-A	197.0 ±11.7	1.8 ±0.11	
4817459	DRNT	19-APR-11	05-AUG-11	MA0100-03-A	122.2 ±8.6	1.1 ±0.08	
4817462	DRNT	23-APR-11	08-AUG-11	MA0091-03-D	33.4 ±3.26	0.3 ±0.03	
4817533	DRNT	19-APR-11	08-AUG-11	VV0059-03-A	149.5 ±9.8	1.3 ±0.09	
4817546	DRNT	15-APR-11	05-AUG-11	BV0111-03-A	121.3 ±8.5	1.1 ±0.08	
4817551	DRNT	30-APR-11	06-AUG-11	BV0118-03-A	47.9 ±4.35	0.5 ±0.04	
4817678	DRNT	13-APR-11	05-AUG-11	VV0003-03-A	125.4 ±6.7	1.1 ±0.06	
4817684	DRNT	25-MAR-11	08-AUG-11	MA0046-02-F	73.5 ±4.60	0.5 ±0.03	
4817739	DRNT	13-APR-11	05-AUG-11	PV0008-03-A	81.4 ±4.95	0.7 ±0.04	
4817748	DRNT	14-APR-11	06-AUG-11	BV0070-03-A	107.9 ±6.0	0.9 ±0.05	
1	2	3	4	5	6	7	8

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LMR	A22263	26-AUG-11	12-AUG-11

Radon Monitoring Report

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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4828738	DRN	02-MAY-11	05-AUG-11	HMC02-03-A-NTH	93.9 ±7.72	1.0 ±0.08	
4828742	DRN	05-MAY-11	08-AUG-11	VV0016-03-D-NTH	105.9 ±8.3	1.1 ±0.09	
4828743	DRN	02-MAY-11	04-AUG-11	FMS06-03-A-NTH	112.4 ±8.7	1.2 ±0.09	
4828766	DRN	02-MAY-11	04-AUG-11	FMS12-03-A-NTH	51.5 ±5.10	0.5 ±0.05	
4832684	DRNT	NOT GIVEN	NOT GIVEN	NO DATES PROVIDED BV0118-03-D	36.7 ±3.98		
4832697	DRNT	05-MAY-11	08-AUG-11	VV0016-03-D	44.1 ±4.57	0.5 ±0.05	
4832698	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-F	* 30.0	* 0.3 ±0.04	
4832705	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS04-03-A	* 30.0	* 0.3 ±0.04	
4832706	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC07-03-F	* 30.0	* 0.3 ±0.04	
4832707	DRNT	05-MAY-11	08-AUG-11	VV0016-03-A	142.9 ±10.1	1.5 ±0.11	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832708	DRNT	02-MAY-11	04-AUG-11	FMS05-03-A	61.6 ±5.82	0.7 ±0.06	
4832711	DRNT	02-MAY-11	04-AUG-11	FMS01-03-D	55.1 ±5.38	0.6 ±0.06	
4832726	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS09-03-A	* 30.0	* 0.3 ±0.04	
4832730	DRNT	02-MAY-11	05-AUG-11	HMC02-03-D	58.8 ±5.63	0.6 ±0.06	
4832736	DRNT	02-MAY-11	04-AUG-11	HMC08-03-A	32.1 ±3.59	0.3 ±0.04	
4832742	DRNT	02-MAY-11	04-AUG-11	FMS11-03-D	57.9 ±5.57	0.6 ±0.06	
4832743	DRNT	02-MAY-11	04-AUG-11	HMC04-03-F	73.6 ±6.58	0.8 ±0.07	
4832748	DRNT	02-MAY-11	04-AUG-11	FMS10-03-A	30.3 ±3.43	0.3 ±0.04	
4832751	DRNT	02-MAY-11	04-AUG-11	FMS08-03-D	68.0 ±6.24	0.7 ±0.07	
4832753	DRNT	02-MAY-11	04-AUG-11	HMC03-03-D	39.5 ±4.21	0.4 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832754	DRNT	02-MAY-11	04-AUG-11	FMS02-03-D	69.9 ±6.35	0.7 ±0.07	
4832758	DRNT	02-MAY-11	04-AUG-11	FMS07-03-A	63.4 ±5.94	0.7 ±0.06	
4832759	DRNT	02-MAY-11	04-AUG-11	HMC04-03-A	81.9 ±7.07	0.9 ±0.08	
4832947	DRNT	02-MAY-11	04-AUG-11	FMS06-03-C	45.9 ±4.71	0.5 ±0.05	
4832948	DRNT	02-MAY-11	04-AUG-11	HMC08-03-D	50.5 ±5.05	0.5 ±0.05	
4832950	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS08-03-A	* 30.0	* 0.3 ±0.04	
4832951	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-A	* 30.0	* 0.3 ±0.04	
4832955	DRNT	02-MAY-11	04-AUG-11	HMC05-03-D	40.4 ±4.28	0.4 ±0.05	
4832956	DRNT	30-APR-11	08-AUG-11	MA0046-03-C	127.2 ±9.4	1.3 ±0.09	
4832957	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS05-03-D	* 30.0	* 0.3 ±0.04	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832958	DRNT	02-MAY-11	04-AUG-11	FMS04-03-D	52.4 ±5.18	0.6 ±0.06	
4832959	DRNT	02-MAY-11	04-AUG-11	HMC05-03-F	33.9 ±3.75	0.4 ±0.04	
4832961	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC05-03-A	* 30.0	* 0.3 ±0.04	
4832964	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS10-03-D	* 30.0	* 0.3 ±0.04	
4832966	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC08-03-F	* 30.0	* 0.3 ±0.05	
4832968	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC06-03-F	* 30.0	* 0.3 ±0.04	
4832969	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS07-03-D	* 30.0	* 0.3 ±0.04	
4832972	DRNT	02-MAY-11	05-AUG-11	HMC01-03-A	42.2 ±4.43	0.4 ±0.05	
4832973	DRNT	02-MAY-11	04-AUG-11	HMC06-03-D	39.5 ±4.21	0.4 ±0.04	
4832977	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS09-03-D	* 30.0	* 0.3 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832989	DRNT	02-MAY-11	04-AUG-11	HMC07-03-D	39.5 ±4.21	0.4 ±0.04	
4832991	DRNT	02-MAY-11	04-AUG-11	HMC03-03-A	56.0 ±5.44	0.6 ±0.06	
4832993	DRNT	02-MAY-11	04-AUG-11	FMS06-03-D	34.9 ±3.83	0.4 ±0.04	
4832994	DRNT	02-MAY-11	04-AUG-11	HMC03-03-F	55.1 ±5.38	0.6 ±0.06	
4832997	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS06-03-E	* 30.0	* 0.3 ±0.04	
4832998	DRNT	30-APR-11	08-AUG-11	MA0046-03-D	30.3 ±3.43	0.3 ±0.03	
4832999	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-D	* 30.0	* 0.3 ±0.04	
4833000	DRNT	02-MAY-11	04-AUG-11	HMC04-03-D	43.1 ±4.50	0.5 ±0.05	
4833002	DRNT	02-MAY-11	05-AUG-11	* - LESS THAN INDICATED VALUE HMC01-03-F	* 30.0	* 0.3 ±0.04	
4833003	DRNT	30-APR-11	08-AUG-11	MA0046-03-A	121.6 ±9.1	1.2 ±0.09	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	26-AUG-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4833004	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS12-03-A	* 30.0	* 0.3 ±0.04	
4833005	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC07-03-A	* 30.0	* 0.3 ±0.04	
4833027	DRNT	02-MAY-11	05-AUG-11	HMC02-03-A	61.6 ±5.82	0.6 ±0.06	
4833028	DRNT	02-MAY-11	05-AUG-11	HMC01-03-D	47.7 ±4.85	0.5 ±0.05	
4833029	DRNT	02-MAY-11	05-AUG-11	HMC02-03-F	52.4 ±5.18	0.6 ±0.05	
4833033	DRNT	30-APR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0046-03-E	* 30.0	* 0.3 ±0.04	
4833034	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS10-03-C	* 30.0	* 0.3 ±0.04	
4833036	DRNT	02-MAY-11	04-AUG-11	FMS03-03-A	41.3 ±4.35	0.4 ±0.05	
4833661	DRN	02-MAY-11	03-AUG-11	FMS01-03-A-NTH	80.2 ±6.87	0.9 ±0.07	
4834194	DRNP	05-MAY-11	08-AUG-11	VV0016-03-C-NTH	193.0 ±11.9	2.0 ±0.13	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	26-AUG-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4834198	DRNP	02-MAY-11	05-AUG-11	HMC01-03-A-NTH	74.5 ±6.54	0.8 ±0.07	
4834200	DRNP	04-AUG-11	NOT GIVEN	NO END DATE PROVIDED HMC08-03-A-NTH	98.5 ±7.86		
4834203	DRNP	02-MAY-11	04-AUG-11	FMS09-03-A-NTH	76.3 ±6.64	0.8 ±0.07	
4834207	DRNP	02-MAY-11	04-AUG-11	HMC04-03-A-NTH	110.0 ±8.4	1.2 ±0.09	
4834208	DRNP	05-MAY-11	08-AUG-11	~~UW016~~ WC016-03-A-NTH	160.8 ±10.7	1.7 ±0.11	
4834209	DRNP	02-MAY-11	04-AUG-11	FMS05-03-A-NTH	126.1 ±9.2	1.3 ±0.10	
4834210	DRNP	02-MAY-11	04-AUG-11	HMC07-03-A-NTH	164.4 ±10.8	1.7 ±0.12	
4834211	DRNP	02-MAY-11	04-AUG-11	FMS06-03-C-NTH	100.3 ±8.0	1.1 ±0.08	
4834212	DRNP	02-MAY-11	04-AUG-11	FMS03-03-A-NTH	146.6 ±10.1	1.6 ±0.11	
4834216	DRNP	02-MAY-11	04-AUG-11	HMC05-03-A-NTH	164.4 ±10.8	1.7 ±0.12	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	26-AUG-11	12-AUG-11

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment

Contact Name: Robert Sherman

Contact Phone: 505.285.5395

No: 1-0005100801-110810-0001

DateShipped: 8/10/2011

Lab: Landauer, Inc.

Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	BV0070-03-A	4817748	Radon	Air	4/14/2011	12:45:00 PM	8/6/2011	10:20:00 AM	1	Track Etch Detector	None	START
	BV0070-03-D	4783566	Radon	Air	4/14/2011	12:54:00 PM	8/6/2011	10:36:00 AM	1	Track Etch Detector	None	START
	BV0109-01-A	4782869	Radon	Air	2/28/2011	12:10:00 PM	8/6/2011	2:36:00 PM	1	Track Etch Detector	None	START
	BV0109-01-D	4782867	Radon	Air	2/28/2011	12:10:00 PM	8/6/2011	2:46:00 PM	1	Track Etch Detector	None	START
	BV0110-02-A	4782873	Radon	Air	3/12/2011	2:21:00 PM	8/6/2011	5:10:00 PM	1	Track Etch Detector	None	START
	BV0110-03-D	4783597	Radon	Air	4/14/2011	4:08:00 PM	8/6/2011	5:19:00 PM	1	Track Etch Detector	None	START
	BV0111-03-A	4817546	Radon	Air	4/15/2011	3:46:00 PM	8/5/2011	4:40:00 PM	1	Track Etch Detector	None	START
	BV0111-03-D	4787530	Radon	Air	4/15/2011	3:57:00 PM	8/5/2011	4:51:00 PM	1	Track Etch Detector	None	START
	BV0118-03-A	4817551	Radon	Air	4/30/2011	10:49:00 AM	8/6/2011	11:20:00 AM	1	Track Etch Detector	None	START
	BV0118-03-D	4832684	Radon	Air	4/30/2011	11:00:00 AM	8/6/2011	11:34:00 AM	1	Track Etch Detector	None	START
	BV0123-03-A	4817446	Radon	Air	4/14/2011	3:42:00 PM	8/6/2011	1:02:00 PM	1	Track Etch Detector	None	START
	BV0123-03-D	4783567	Radon	Air	4/14/2011	3:51:00 PM	8/6/2011	1:15:00 PM	1	Track Etch Detector	None	START
	BV0143-03-A	4817428	Radon	Air	4/21/2011	3:53:00 PM	8/6/2011	2:02:00 PM	1	Track Etch Detector	None	START
	BV0143-03-D	4817406	Radon	Air	4/21/2011	4:07:00 PM	8/6/2011	2:15:00 PM	1	Track Etch Detector	None	START
	FA0075-03-A	4817456	Radon	Air	4/18/2011	4:43:00 PM	8/6/2011	9:37:00 AM	1	Track Etch Detector	None	START
	FA0075-03-D	4783564	Radon	Air	4/18/2011	4:56:00 PM	8/6/2011	9:53:00 AM	1	Track Etch Detector	None	START
	FA0187-03-A	4817457	Radon	Air	4/19/2011	2:29:00 PM	8/5/2011	3:14:00 PM	1	Track Etch Detector	None	START
	FA0187-03-D	4783583	Radon	Air	4/19/2011	2:44:00 PM	8/5/2011	3:40:00 PM	1	Track Etch Detector	None	START
	FMS01-03-A	4817410	Radon	Air	5/2/2011	11:08:00 AM	8/4/2011	9:03:00 AM	1	Track Etch Detector	None	START
	FMS01-03-A-NTH	4833661	Radon	Air	5/2/2011	11:08:00 AM	8/4/2011	9:03:00 AM	1	Track Etch Detector	None	START
	FMS01-03-D	4832711	Radon	Air	5/2/2011	11:08:00 AM	8/4/2011	9:03:00 AM	1	Track Etch Detector	None	START
	FMS02-03-A	4817402	Radon	Air	5/2/2011	11:23:00 AM	8/4/2011	9:21:00 AM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22 ~~24~~/SAMPLES	Olin Garren	8/10/11	Connie Dua								

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505.285.5395

No: 1-0005100801-110810-0001

DateShipped: 8/10/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	FMS02-03-D	4832754	Radon	Air	5/2/2011	11:23:00 AM	8/4/2011	9:21:00 AM	1	Track Etch Detector	None	START
	FMS03-03-A	4833036	Radon	Air	5/2/2011	11:38:00 AM	8/4/2011	9:39:00 AM	1	Track Etch Detector	None	START
	FMS03-03-A-NTH	4834212	Radon	Air	5/2/2011	11:38:00 AM	8/4/2011	9:39:00 AM	1	Track Etch Detector	None	START
	FMS03-03-D	4817441	Radon	Air	5/2/2011	11:38:00 AM	8/4/2011	9:39:00 AM	1	Track Etch Detector	None	START
	FMS04-03-A	4832705	Radon	Air	5/2/2011	11:50:00 AM	8/4/2011	9:58:00 AM	1	Track Etch Detector	None	START
	FMS04-03-D	4832958	Radon	Air	5/2/2011	11:50:00 AM	8/4/2011	9:58:00 AM	1	Track Etch Detector	None	START
	FMS05-03-A	4832708	Radon	Air	5/2/2011	12:35:00 PM	8/4/2011	10:44:00 AM	1	Track Etch Detector	None	START
	FMS05-03-A-NTH	4834209	Radon	Air	5/2/2011	12:35:00 PM	8/4/2011	10:44:00 AM	1	Track Etch Detector	None	START
	FMS05-03-D	4832957	Radon	Air	5/2/2011	12:35:00 PM	8/4/2011	10:44:00 AM	1	Track Etch Detector	None	START
	FMS06-03-A	4817388	Radon	Air	5/2/2011	12:53:00 PM	8/4/2011	11:00:00 AM	1	Track Etch Detector	None	START
	FMS06-03-A-NTH	4828743	Radon	Air	5/2/2011	12:53:00 PM	8/4/2011	11:00:00 AM	1	Track Etch Detector	None	START
	FMS06-03-C	4832947	Radon	Air	5/2/2011	12:53:00 PM	8/4/2011	11:00:00 AM	1	Track Etch Detector	None	START
	FMS06-03-C-NTH	4834211	Radon	Air	5/2/2011	12:53:00 PM	8/4/2011	11:00:00 AM	1	Track Etch Detector	None	START
	FMS06-03-D	4832993	Radon	Air	5/2/2011	12:53:00 PM	8/4/2011	11:00:00 AM	1	Track Etch Detector	None	START
	FMS06-03-E	4832997	Radon	Air	5/2/2011	12:53:00 PM	8/4/2011	11:00:00 AM	1	Track Etch Detector	None	START
	FMS07-03-A	4832758	Radon	Air	5/2/2011	1:17:00 PM	8/4/2011	11:19:00 AM	1	Track Etch Detector	None	START
	FMS07-03-D	4832969	Radon	Air	5/2/2011	1:17:00 PM	8/4/2011	11:19:00 AM	1	Track Etch Detector	None	START
	FMS08-03-A	4832950	Radon	Air	5/2/2011	1:29:00 PM	8/4/2011	11:32:00 AM	1	Track Etch Detector	None	START
	FMS08-03-D	4832751	Radon	Air	5/2/2011	1:29:00 PM	8/4/2011	11:32:00 AM	1	Track Etch Detector	None	START
	FMS09-03-A	4832726	Radon	Air	5/2/2011	1:52:00 PM	8/4/2011	11:50:00 AM	1	Track Etch Detector	None	START
	FMS09-03-A-NTH	4834203	Radon	Air	5/2/2011	1:52:00 PM	8/4/2011	11:50:00 AM	1	Track Etch Detector	None	START
	FMS09-03-D	4832977	Radon	Air	5/2/2011	1:52:00 PM	8/4/2011	11:50:00 AM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Sherren	8/10/11									

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505.285.5395

No: 1-0005100801-110810-0001

DateShipped: 8/10/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	FMS10-03-A	4832748	Radon	Air	5/2/2011	11:48:00 AM	8/4/2011	12:10:00 PM	1	Track Etch Detector	None	START
	FMS10-03-C	4833034	Radon	Air	5/2/2011	11:48:00 AM	8/4/2011	12:10:00 PM	1	Track Etch Detector	None	START
	FMS10-03-D	4832964	Radon	Air	5/2/2011	11:48:00 AM	8/4/2011	12:10:00 PM	1	Track Etch Detector	None	START
	FMS11-03-A	4817384	Radon	Air	5/2/2011	2:37:00 PM	8/4/2011	12:26:00 PM	1	Track Etch Detector	None	START
	FMS11-03-D	4832742	Radon	Air	5/2/2011	2:37:00 PM	8/4/2011	12:26:00 PM	1	Track Etch Detector	None	START
	FMS12-03-A	4833004	Radon	Air	5/2/2011	2:53:00 PM	8/4/2011	12:38:00 PM	1	Track Etch Detector	None	START
	FMS12-03-A-NTH	4828766	Radon	Air	5/2/2011	2:53:00 PM	8/4/2011	12:38:00 PM	1	Track Etch Detector	None	START
	FMS12-03-D	4817422	Radon	Air	5/2/2011	2:53:00 PM	8/4/2011	12:38:00 PM	1	Track Etch Detector	None	START
	HMC01-03-A	4832972	Radon	Air	5/2/2011	6:12:00 PM	8/5/2011	12:18:00 PM	1	Track Etch Detector	None	START
	HMC01-03-A-NTH	4834198	Radon	Air	5/2/2011	6:12:00 PM	8/5/2011	12:18:00 PM	1	Track Etch Detector	None	START
	HMC01-03-D	4833028	Radon	Air	5/2/2011	6:12:00 PM	8/5/2011	12:18:00 PM	1	Track Etch Detector	None	START
	HMC01-03-F	4833002	Radon	Air	5/2/2011	6:12:00 PM	8/5/2011	12:18:00 PM	1	Track Etch Detector	None	START
	HMC02-03-A	4833027	Radon	Air	5/2/2011	3:55:00 PM	8/5/2011	11:50:00 AM	1	Track Etch Detector	None	START
	HMC02-03-A-NTH	4828738	Radon	Air	5/2/2011	3:55:00 PM	8/5/2011	11:50:00 AM	1	Track Etch Detector	None	START
	HMC02-03-D	4832730	Radon	Air	5/2/2011	3:55:00 PM	8/5/2011	11:50:00 AM	1	Track Etch Detector	None	START
	HMC02-03-F	4833029	Radon	Air	5/2/2011	3:55:00 PM	8/5/2011	11:50:00 AM	1	Track Etch Detector	None	START
	HMC03-03-A	4832991	Radon	Air	5/2/2011	4:40:00 PM	8/4/2011	2:09:00 PM	1	Track Etch Detector	None	START
	HMC03-03-D	4832753	Radon	Air	5/2/2011	4:40:00 PM	8/4/2011	2:09:00 PM	1	Track Etch Detector	None	START
	HMC03-03-F	4832994	Radon	Air	5/2/2011	4:40:00 PM	8/4/2011	2:09:00 PM	1	Track Etch Detector	None	START
	HMC04-03-A	4832759	Radon	Air	5/2/2011	4:22:00 PM	8/4/2011	1:53:00 PM	1	Track Etch Detector	None	START
	HMC04-03-A-NTH	4834207	Radon	Air	5/2/2011	4:22:00 PM	8/4/2011	1:53:00 PM	1	Track Etch Detector	None	START
	HMC04-03-D	4833000	Radon	Air	5/2/2011	4:22:00 PM	8/4/2011	1:53:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time		Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Harren	8/10/11										

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505.285.5395

No: 1-0005100801-110810-0001

DateShipped: 8/10/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	HMC04-03-F	4832743	Radon	Air	5/2/2011	4:22:00 PM	8/4/2011	1:53:00 PM	1	Track Etch Detector	None	START
	HMC05-03-A	4832961	Radon	Air	5/2/2011	10:45:00 AM	8/4/2011	8:39:00 AM	1	Track Etch Detector	None	START
	HMC05-03-A-NTH	4834216	Radon	Air	5/2/2011	10:45:00 AM	8/4/2011	8:39:00 AM	1	Track Etch Detector	None	START
	HMC05-03-D	4832955	Radon	Air	5/2/2011	10:45:00 AM	8/4/2011	8:39:00 AM	1	Track Etch Detector	None	START
	HMC05-03-F	4832959	Radon	Air	5/2/2011	10:45:00 AM	8/4/2011	8:39:00 AM	1	Track Etch Detector	None	START
	HMC06-03-A	4817387	Radon	Air	5/2/2011	12:20:00 PM	8/4/2011	10:27:00 AM	1	Track Etch Detector	None	START
	HMC06-03-D	4832973	Radon	Air	5/2/2011	12:20:00 PM	8/4/2011	10:27:00 AM	1	Track Etch Detector	None	START
	HMC06-03-F	4832968	Radon	Air	5/2/2011	12:20:00 PM	8/4/2011	10:27:00 AM	1	Track Etch Detector	None	START
	HMC07-03-A	4833005	Radon	Air	5/2/2011	12:07:00 PM	8/4/2011	10:14:00 AM	1	Track Etch Detector	None	START
	HMC07-03-A-NTH	4834210	Radon	Air	5/2/2011	12:07:00 PM	8/4/2011	10:14:00 AM	1	Track Etch Detector	None	START
	HMC07-03-D	4832989	Radon	Air	5/2/2011	12:07:00 PM	8/4/2011	10:14:00 AM	1	Track Etch Detector	None	START
	HMC07-03-F	4832706	Radon	Air	5/2/2011	12:07:00 PM	8/4/2011	10:14:00 AM	1	Track Etch Detector	None	START
	HMC08-03-A	4832736	Radon	Air	5/2/2011	3:15:00 PM	8/4/2011	12:52:00 PM	1	Track Etch Detector	None	START
	HMC08-03-A-NTH	4834200	Radon	Air	5/2/2011	3:15:00 PM	8/4/2011	12:52:00 PM	1	Track Etch Detector	None	START
	HMC08-03-D	4832948	Radon	Air	5/2/2011	3:15:00 PM	8/4/2011	12:52:00 PM	1	Track Etch Detector	None	START
	HMC08-03-F	4832966	Radon	Air	5/2/2011	3:15:00 PM	8/4/2011	12:52:00 PM	1	Track Etch Detector	None	START
	HMC09-03-A	4832951	Radon	Air	5/2/2011	5:19:00 PM	8/4/2011	2:35:00 PM	1	Track Etch Detector	None	START
	HMC09-03-D	4832999	Radon	Air	5/2/2011	5:19:00 PM	8/4/2011	2:35:00 PM	1	Track Etch Detector	None	START
	HMC09-03-F	4832698	Radon	Air	5/2/2011	5:19:00 PM	8/4/2011	2:35:00 PM	1	Track Etch Detector	None	START
	MA0046-02-F	4817684	Radon	Air	3/25/2011	4:05:00 PM	8/8/2011	1:44:00 PM	1	Track Etch Detector	None	START
	MA0046-03-A	4833003	Radon	Air	4/30/2011	1:09:00 PM	8/8/2011	1:53:00 PM	1	Track Etch Detector	None	START
	MA0046-03-C	4832956	Radon	Air	4/30/2011	1:09:00 PM	8/8/2011	1:53:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Warren	8/10/11									

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505.285.5395

No: 1-0005100801-110810-0001

DateShipped: 8/10/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	MA0046-03-D	4832998	Radon	Air	4/30/2011	1:33:00 PM	8/8/2011	2:11:00 PM	1	Track Etch Detector	None	START
	MA0046-03-E	4833033	Radon	Air	4/30/2011	1:33:00 PM	8/8/2011	2:11:00 PM	1	Track Etch Detector	None	START
	MA0047-01-A	4782905	Radon	Air	3/9/2011	2:20:00 PM	8/8/2011	1:13:00 PM	1	Track Etch Detector	None	START
	MA0047-01-D	4782902	Radon	Air	3/9/2011	2:05:00 PM	8/8/2011	1:26:00 PM	1	Track Etch Detector	None	START
	MA0090-02-A	4782900	Radon	Air	3/1/2011	10:12:00 AM	8/8/2011	10:10:00 AM	1	Track Etch Detector	None	START
	MA0090-03-D	4817385	Radon	Air	4/27/2011	3:15:00 PM	8/8/2011	10:27:00 AM	1	Track Etch Detector	None	START
	MA0091-03-A	4817414	Radon	Air	4/23/2011	2:06:00 PM	8/8/2011	3:10:00 PM	1	Track Etch Detector	None	START
	MA0091-03-D	4817462	Radon	Air	4/23/2011	2:50:00 PM	8/8/2011	3:24:00 PM	1	Track Etch Detector	None	START
	MA0094-03-A	4817369	Radon	Air	4/23/2011	3:17:00 PM	8/8/2011	3:38:00 PM	1	Track Etch Detector	None	START
	MA0094-03-D	4817382	Radon	Air	4/23/2011	3:31:00 PM	8/8/2011	3:49:00 PM	1	Track Etch Detector	None	START
	MA0100-03-A	4817459	Radon	Air	4/19/2011	11:06:00 AM	8/5/2011	3:56:00 PM	1	Track Etch Detector	None	START
	MA0100-03-D	4783647	Radon	Air	4/19/2011	11:17:00 AM	8/5/2011	4:04:00 PM	1	Track Etch Detector	None	START
	CT0036-01-D	4782901	Radon	Air	3/9/2011	11:00:00 AM	8/8/2011	9:41:00 AM	1	Track Etch Detector	None	START
	RV0008-03-A	4817739	Radon	Air	4/13/2011	3:23:00 PM	8/5/2011	4:16:00 PM	1	Track Etch Detector	None	START
	RV0008-03-D	4782881	Radon	Air	4/13/2011	3:05:00 PM	8/5/2011	4:25:00 PM	1	Track Etch Detector	None	START
	VV0003-03-A	4817678	Radon	Air	4/13/2011	11:27:00 AM	8/5/2011	10:54:00 AM	1	Track Etch Detector	None	START
	VV0003-03-D	4782882	Radon	Air	4/13/2011	11:37:00 AM	8/5/2011	11:02:00 AM	1	Track Etch Detector	None	START
	VV0004-03-A	4817426	Radon	Air	4/21/2011	3:11:00 PM	8/5/2011	10:27:00 AM	1	Track Etch Detector	None	START
	VV0004-03-D	4817431	Radon	Air	4/21/2011	3:26:00 PM	8/5/2011	10:35:00 AM	1	Track Etch Detector	None	START
	VV0016-03-A	4832707	Radon	Air	5/5/2011	1:20:00 PM	8/8/2011	4:45:00 PM	1	Track Etch Detector	None	START
	VV0016-03-A-NTH	4834208	Radon	Air	5/5/2011	1:20:00 PM	8/8/2011	4:45:00 PM	1	Track Etch Detector	None	START
	VV0016-03-C-NTH	4834194	Radon	Air	5/5/2011	1:20:00 PM	8/8/2011	4:45:00 PM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22/SAMPLES	Olin Warren	8/10/11									

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment
Contact Name: Robert Sherman
Contact Phone: 505.285.5395

No: 1-0005100801-110810-0001

DateShipped: 8/10/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	VV0016-03-D	4832697	Radon	Air	5/5/2011	1:41:00 PM	8/8/2011	5:06:00 PM	1	Track Etch Detector	None	START
	VV0016-03-D-NTH	4828742	Radon	Air	5/5/2011	1:41:00 PM	8/8/2011	5:06:00 PM	1	Track Etch Detector	None	START
	VV0040-03-A	4817884	Radon	Air	4/20/2011	1:42:00 PM	8/6/2011	3:08:00 PM	1	Track Etch Detector	None	START
	VV0040-03-D	4817885	Radon	Air	4/20/2011	1:42:00 PM	8/6/2011	3:23:00 PM	1	Track Etch Detector	None	START
	VV0041-03-A	4817443	Radon	Air	4/19/2011	3:07:00 PM	8/5/2011	2:37:00 PM	1	Track Etch Detector	None	START
	VV0041-03-D	4783584	Radon	Air	4/19/2011	3:21:00 PM	8/5/2011	2:50:00 PM	1	Track Etch Detector	None	START
	VV0043-03-A	4817374	Radon	Air	4/21/2011	2:18:00 PM	8/4/2011	4:37:00 PM	1	Track Etch Detector	None	START
	VV0043-03-D	4817400	Radon	Air	4/21/2011	2:38:00 PM	8/4/2011	4:45:00 PM	1	Track Etch Detector	None	START
	VV0059-03-A	4817533	Radon	Air	4/19/2011	4:01:00 PM	8/8/2011	9:04:00 AM	1	Track Etch Detector	None	START
	VV0059-03-D	4787529	Radon	Air	4/19/2011	4:12:00 PM	8/8/2011	9:20:00 AM	1	Track Etch Detector	None	START
	VV0061-03-A	4817448	Radon	Air	4/15/2011	3:01:00 PM	8/8/2011	10:48:00 AM	1	Track Etch Detector	None	START
	VV0061-03-D	4783648	Radon	Air	4/15/2011	3:18:00 PM	8/8/2011	11:10:00 AM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
12/SAMPLES	Olin Warren	8/10/11									

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782877	DRNT	02-APR-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0009-02-D	* 30.0	* 0.2 ±0.02	
4782880	DRNT	02-APR-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0011-02-D	* 30.0	* 0.2 ±0.07	
4783553	DRN	15-APR-11	13-AUG-11	BV0139-03-D	55.3 ±4.70	0.5 ±0.04	
4817412	DRNT	23-APR-11	19-AUG-11	* - LESS THAN INDICATED VALUE BV0066-03-D	* 30.0	* 0.3 ±0.03	
4817429	DRNT	20-APR-11	15-AUG-11	VV0017-03-A	153.1 ±9.9	1.3 ±0.08	
4817451	DRNT	14-APR-11	13-AUG-11	FA0052-03-A	80.4 ±6.40	0.7 ±0.05	
4817484	DRNT	18-APR-11	13-AUG-11	MA0024-03-A	99.4 ±7.43	0.8 ±0.06	
4817666	DRNT	12-APR-11	15-AUG-11	MA0134-02-A	54.9 ±4.06	0.4 ±0.03	
4817677	DRNT	28-MAR-11	16-AUG-11	BW0009-02-A	37.2 ±2.71	0.3 ±0.02	
4817705	DRNT	15-MAR-11	13-AUG-11	BV0139-02-A	104.8 ±5.9	0.7 ±0.04	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	18-OCT-11	19-AUG-11

Radon Monitoring Report

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825 E. SANTA FE AVENUE
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LANDAUER

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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817745	DRNT	24-MAR-11	15-AUG-11	BV0066-02-A	217.6 ±9.5	1.5 ±0.07	
4817746	DRNT	24-MAR-11	15-AUG-11	BV0066-02-C	200.0 ±9.0	1.4 ±0.06	
4832686	DRNT	06-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0026-03-D	* 30.0	* 0.3 ±0.04	
4832691	DRNT	25-APR-11	13-AUG-11	BW0005-03-A	34.0 ±3.73	0.3 ±0.03	
4832710	DRNT	06-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0026-03-E	* 30.0	* 0.3 ±0.03	
4832712	DRNT	09-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0016-03-D	* 30.0	* 0.3 ±0.04	
4832713	DRNT	04-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0017-03-D	* 30.0	* 0.3 ±0.04	
4832727	DRNT	25-APR-11	13-AUG-11	* - LESS THAN INDICATED VALUE BW0005-03-D	* 30.0	* 0.3 ±0.03	
4832734	DRNT	06-MAY-11	15-AUG-11	BW0026-03-A	210.9 ±12.7	2.1 ±0.13	
4832737	DRNT	06-MAY-11	15-AUG-11	BW0026-03-C	210.0 ±12.7	2.1 ±0.13	
①	②	③	④	⑤	⑥	⑦	⑧

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Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832741	DRNT	02-MAY-11	16-AUG-11	BV0071-03-D	45.0 ±4.62	0.4 ±0.04	
4832761	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-A	* 30.0	* 0.3 ±0.04	
4832844	DRNT	10-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0030-03-D	* 30.0	* 0.3 ±0.04	
4832886	DRNT	10-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0030-03-E	* 30.0	* 0.3 ±0.04	
4832907	DRNT	07-MAY-11	13-AUG-11	PV0006-03-A	78.2 ±6.83	0.8 ±0.07	
4832915	DRNT	10-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE BW0012-03-D	* 30.0	* 0.3 ±0.05	
4832925	DRNT	11-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0011-03-A	* 30.0	* 0.3 ±0.04	
4832932	DRNT	07-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0031-03-D	* 30.0	* 0.3 ±0.04	
4832934	DRNT	10-MAY-11	13-AUG-11	BW0012-03-A	56.1 ±5.42	0.6 ±0.06	
4832943	DRNT	07-MAY-11	15-AUG-11	BW0031-03-A	668.4 ±24.3	6.7 ±0.24	
①	②	③	④	⑤	⑥	⑦	⑧

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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832944	DRNT	10-MAY-11	16-AUG-11	BW0030-03-A	72.7 ±6.50	0.7 ±0.07	
4832945	DRNT	25-APR-11	15-AUG-11	BW0006-03-A	90.2 ±7.52	0.8 ±0.07	
4832953	DRNT	02-MAY-11	16-AUG-11	BV0071-03-A	46.9 ±4.76	0.4 ±0.04	
4832962	DRNT	03-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0013-03-D	* 30.0	* 0.3 ±0.04	
4832965	DRNT	25-APR-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0006-03-D	* 30.0	* 0.3 ±0.04	
4832971	DRNT	03-MAY-11	13-AUG-11	FA0087-03-A	43.2 ±4.48	0.4 ±0.04	
4832976	DRNT	27-APR-11	13-AUG-11	PV0033-03-A	57.0 ±5.48	0.5 ±0.05	
4832981	DRNT	03-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE FA0087-03-D	* 30.0	* 0.3 ±0.04	
4832990	DRNT	04-MAY-11	15-AUG-11	BW0016-03-A	105.9 ±8.3	1.0 ±0.08	
4832996	DRNT	06-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-D	* 30.0	* 0.3 ±0.04	
1	2	3	4	5	6	7	8

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Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4833001	DRNT	04-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0017-03-A	* 30.0	* 0.3 ±0.03	
4833007	DRNT	07-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE PV0006-03-D	* 30.0	* 0.3 ±0.04	
4833009	DRNT	07-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE PV0006-03-E	* 30.0	* 0.3 ±0.04	
4833024	DRNT	07-MAY-11	13-AUG-11	PV0006-03-C	74.5 ±6.61	0.8 ±0.07	
4833025	DRNT	07-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0031-03-E	* 30.0	* 0.3 ±0.04	
4833026	DRNT	06-MAY-11	15-AUG-11	PV0030-03-E	49.6 ±4.96	0.5 ±0.05	
4833031	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-C	* 30.0	* 0.3 ±0.04	
4833032	DRNT	06-MAY-11	15-AUG-11	PV0030-03-D	37.7 ±4.04	0.4 ±0.04	
4833038	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-E	* 30.0	* 0.3 ±0.04	
4833039	DRNT	03-MAY-11	16-AUG-11	BW0013-03-A	123.5 ±9.2	1.2 ±0.09	
1	2	3	4	5	6	7	8

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Radon Monitoring Report

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Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782877	DRNT	02-APR-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0009-02-D	* 30.0	* 0.2 ±0.02	
4782880	DRNT	02-APR-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0011-02-D	* 30.0	* 0.2 ±0.07	
4783553	DRN	15-APR-11	13-AUG-11	BV0139-03-D	55.3 ±4.70	0.5 ±0.04	
4817412	DRNT	23-APR-11	19-AUG-11	* - LESS THAN INDICATED VALUE BV0066-03-D	* 30.0	* 0.3 ±0.03	
4817429	DRNT	20-APR-11	15-AUG-11	VV0017-03-A	153.1 ±9.9	1.3 ±0.08	
4817451	DRNT	14-APR-11	13-AUG-11	FA0052-03-A	80.4 ±6.40	0.7 ±0.05	
4817484	DRNT	18-APR-11	13-AUG-11	MA0024-03-A	99.4 ±7.43	0.8 ±0.06	
4817666	DRNT	12-APR-11	15-AUG-11	MA0134-02-A	54.9 ±4.06	0.4 ±0.03	
4817677	DRNT	28-MAR-11	16-AUG-11	BW0009-02-A	37.2 ±2.71	0.3 ±0.02	
4817705	DRNT	15-MAR-11	13-AUG-11	BV0139-02-A	104.8 ±5.9	0.7 ±0.04	
1	2	3	4	5	6	7	8

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Radon Monitoring Report

WESTON SOLUTIONS, INC.
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GRANTS, NM 87020

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Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817745	DRNT	24-MAR-11	15-AUG-11	BV0066-02-A	217.6 ±9.5	1.5 ±0.07	
4817746	DRNT	24-MAR-11	15-AUG-11	BV0066-02-C	200.0 ±9.0	1.4 ±0.06	
4832686	DRNT	06-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0026-03-D	* 30.0	* 0.3 ±0.04	
4832691	DRNT	25-APR-11	13-AUG-11	BW0005-03-A	34.0 ±3.73	0.3 ±0.03	
4832710	DRNT	06-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0026-03-E	* 30.0	* 0.3 ±0.03	
4832712	DRNT	09-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0016-03-D	* 30.0	* 0.3 ±0.04	
4832713	DRNT	04-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0017-03-D	* 30.0	* 0.3 ±0.04	
4832727	DRNT	25-APR-11	13-AUG-11	* - LESS THAN INDICATED VALUE BW0005-03-D	* 30.0	* 0.3 ±0.03	
4832734	DRNT	06-MAY-11	15-AUG-11	BW0026-03-A	210.9 ±12.7	2.1 ±0.13	
4832737	DRNT	06-MAY-11	15-AUG-11	BW0026-03-C	210.0 ±12.7	2.1 ±0.13	
①	②	③	④	⑤	⑥	⑦	⑧

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*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832741	DRNT	02-MAY-11	16-AUG-11	BV0071-03-D	45.0 ±4.62	0.4 ±0.04	
4832761	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-A	* 30.0	* 0.3 ±0.04	
4832844	DRNT	10-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0030-03-D	* 30.0	* 0.3 ±0.04	
4832886	DRNT	10-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0030-03-E	* 30.0	* 0.3 ±0.04	
4832907	DRNT	07-MAY-11	13-AUG-11	PV0006-03-A	78.2 ±6.83	0.8 ±0.07	
4832915	DRNT	10-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE BW0013-03-A	* 30.0	* 0.3 ±0.05	
4832925	DRNT	11-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE	* 30.0	* 0.3 ±0.04	
4832932	DRNT	07-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0031-03-D	* 30.0	* 0.3 ±0.04	
4832934	DRNT	10-MAY-11	13-AUG-11	BW0012-03-A	56.1 ±5.42	0.6 ±0.06	
4832943	DRNT	07-MAY-11	15-AUG-11	BW0031-03-A	668.4 ±24.3	6.7 ±0.24	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832944	DRNT	10-MAY-11	16-AUG-11	BW0030-03-A	72.7 ±6.50	0.7 ±0.07	
4832945	DRNT	25-APR-11	15-AUG-11	BW0006-03-A	90.2 ±7.52	0.8 ±0.07	
4832953	DRNT	02-MAY-11	16-AUG-11	BV0071-03-A	46.9 ±4.76	0.4 ±0.04	
4832962	DRNT	03-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0013-03-D	* 30.0	* 0.3 ±0.04	
4832965	DRNT	25-APR-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0006-03-D	* 30.0	* 0.3 ±0.04	
4832971	DRNT	03-MAY-11	13-AUG-11	FA0087-03-A	43.2 ±4.48	0.4 ±0.04	
4832976	DRNT	27-APR-11	13-AUG-11	PV0033-03-A	57.0 ±5.48	0.5 ±0.05	
4832981	DRNT	03-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE FA0087-03-D	* 30.0	* 0.3 ±0.04	
4832990	DRNT	04-MAY-11	15-AUG-11	BW0016-03-A	105.9 ±8.3	1.0 ±0.08	
4832996	DRNT	06-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-D	* 30.0	* 0.3 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	18-OCT-11	19-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4833001	DRNT	04-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0017-03-A	* 30.0	* 0.3 ±0.03	
4833007	DRNT	07-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE PV0006-03-D	* 30.0	* 0.3 ±0.04	
4833009	DRNT	07-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE PV0006-03-E	* 30.0	* 0.3 ±0.04	
4833024	DRNT	07-MAY-11	13-AUG-11	PV0006-03-C	74.5 ±6.61	0.8 ±0.07	
4833025	DRNT	07-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0031-03-E	* 30.0	* 0.3 ±0.04	
4833026	DRNT	06-MAY-11	15-AUG-11	PV0030-03-E	49.6 ±4.96	0.5 ±0.05	
4833031	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-C	* 30.0	* 0.3 ±0.04	
4833032	DRNT	06-MAY-11	15-AUG-11	PV0030-03-D	37.7 ±4.04	0.4 ±0.04	
4833038	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-E	* 30.0	* 0.3 ±0.04	
4833039	DRNT	03-MAY-11	16-AUG-11	BW0013-03-A	123.5 ±9.2	1.2 ±0.09	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	18-OCT-11	19-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782877	DRNT	02-APR-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0009-02-D	* 30.0	* 0.2 ±0.02	
4782880	DRNT	02-APR-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0011-02-D	* 30.0	* 0.2 ±0.07	
4783553	DRN	15-APR-11	13-AUG-11	BV0139-03-D	55.3 ±4.70	0.5 ±0.04	
4817412	DRNT	23-APR-11	19-AUG-11	* - LESS THAN INDICATED VALUE BV0066-03-D	* 30.0	* 0.3 ±0.03	
4817429	DRNT	20-APR-11	15-AUG-11	VV0017-03-A	153.1 ±9.9	1.3 ±0.08	
4817451	DRNT	14-APR-11	13-AUG-11	FA0052-03-A	80.4 ±6.40	0.7 ±0.05	
4817484	DRNT	18-APR-11	13-AUG-11	MA0024-03-A	99.4 ±7.43	0.8 ±0.06	
4817666	DRNT	12-APR-11	15-AUG-11	MA0134-02-A	54.9 ±4.06	0.4 ±0.03	
4817677	DRNT	28-MAR-11	16-AUG-11	BW0009-02-A	37.2 ±2.71	0.3 ±0.02	
4817705	DRNT	15-MAR-11	13-AUG-11	BV0139-02-A	104.8 ±5.9	0.7 ±0.04	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	31-AUG-11	19-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817745	DRNT	24-MAR-11	15-AUG-11	BV0066-02-A	217.6 ±9.5	1.5 ±0.07	
4817746	DRNT	24-MAR-11	15-AUG-11	BV0066-02-C	200.0 ±9.0	1.4 ±0.06	
4832686	DRNT	06-MAY-11	NOT GIVEN	* - LESS THAN INDICATED VALUE NO END DATE PROVIDED BW0026-03-D	* 30.0		
4832691	DRNT	25-APR-11	13-AUG-11	BW0005-03-A	34.0 ±3.73	0.3 ±0.03	
4832710	DRNT	06-MAY-11	NOT GIVEN	* - LESS THAN INDICATED VALUE NO END DATE PROVIDED BW0026-03-E	* 30.0		
4832712	DRNT	09-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0016-03-D	* 30.0	* 0.3 ±0.04	
4832713	DRNT	04-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0017-03-D	* 30.0	* 0.3 ±0.04	
4832727	DRNT	25-APR-11	13-AUG-11	* - LESS THAN INDICATED VALUE BW0005-03-D	* 30.0	* 0.3 ±0.03	
4832734	DRNT	06-MAY-11	15-AUG-11	BW0026-03-A	210.9 ±12.7	2.1 ±0.13	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	31-AUG-11	19-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832737	DRNT	06-MAY-11	15-AUG-11	BW0026-03-C	210.0 ±12.7	2.1 ±0.13	
4832741	DRNT	02-MAY-11	16-AUG-11	BV0071-03-D	45.0 ±4.62	0.4 ±0.04	
4832761	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-A	* 30.0	* 0.3 ±0.04	
4832844	DRNT	10-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0030-03-D	* 30.0	* 0.3 ±0.04	
4832886	DRNT	10-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0030-03-E	* 30.0	* 0.3 ±0.04	
4832907	DRNT	07-MAY-11	13-AUG-11	PV0006-03-A	78.2 ±6.83	0.8 ±0.07	
4832915	DRNT	10-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE BW0013-03-A	* 30.0	* 0.3 ±0.05	
4832925	DRNT	11-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0011-03-A	* 30.0	* 0.3 ±0.04	
4832932	DRNT	07-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0031-03-D	* 30.0	* 0.3 ±0.04	
4832934	DRNT	10-MAY-11	13-AUG-11	BW0012-03-A	56.1 ±5.42	0.6 ±0.06	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	31-AUG-11	19-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832943	DRNT	07-MAY-11	15-AUG-11	BW0031-03-A	668.4 ±24.3	6.7 ±0.24	
4832944	DRNT	10-MAY-11	16-AUG-11	BW0030-03-A	72.7 ±6.50	0.7 ±0.07	
4832945	DRNT	25-APR-11	15-AUG-11	BW0006-03-A	90.2 ±7.52	0.8 ±0.07	
4832953	DRNT	02-MAY-11	16-AUG-11	BV0071-03-A	46.9 ±4.76	0.4 ±0.04	
4832962	DRNT	03-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0013-03-D	* 30.0	* 0.3 ±0.04	
4832965	DRNT	25-APR-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0006-03-D	* 30.0	* 0.3 ±0.04	
4832971	DRNT	03-MAY-11	13-AUG-11	FA0087-03-A	43.2 ±4.48	0.4 ±0.04	
4832976	DRNT	27-APR-11	13-AUG-11	PV0033-03-A	57.0 ±5.48	0.5 ±0.05	
4832981	DRNT	03-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE FA0087-03-D	* 30.0	* 0.3 ±0.04	
4832990	DRNT	04-MAY-11	15-AUG-11	BW0016-03-A	105.9 ±8.3	1.0 ±0.08	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	31-AUG-11	19-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832996	DRNT	06-MAY-11	NOT GIVEN	* - LESS THAN INDICATED VALUE NO END DATE PROVIDED BW0024-03-D	* 30.0		
4833001	DRNT	04-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0017-03-A	* 30.0	* 0.3 ±0.03	
4833007	DRNT	07-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE PV0006-03-D	* 30.0	* 0.3 ±0.04	
4833009	DRNT	07-MAY-11	13-AUG-11	* - LESS THAN INDICATED VALUE PV0006-03-E	* 30.0	* 0.3 ±0.04	
4833024	DRNT	07-MAY-11	13-AUG-11	PV0006-03-C	74.5 ±6.61	0.8 ±0.07	
4833025	DRNT	07-MAY-11	15-AUG-11	* - LESS THAN INDICATED VALUE BW0031-03-E	* 30.0	* 0.3 ±0.04	
4833026	DRNT	06-MAY-11	15-AUG-11	PV0030-03-E	49.6 ±4.96	0.5 ±0.05	
4833031	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-C	* 30.0	* 0.3 ±0.04	
4833032	DRNT	06-MAY-11	15-AUG-11	PV0030-03-D	37.7 ±4.04	0.4 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	31-AUG-11	19-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4833038	DRNT	06-MAY-11	16-AUG-11	* - LESS THAN INDICATED VALUE BW0024-03-E	* 30.0	* 0.3 ±0.04	
4833039	DRNT	03-MAY-11	16-AUG-11	BW0013-03-A	123.5 ±9.2	1.2 ±0.09	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22266	31-AUG-11	19-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817455	DRNT	27-APR-11	19-AUG-11	MA0025-03-A	192.7 ±11.5	1.7 ±0.10	
4832702	DRNT	27-APR-11	19-AUG-11	MA0025-03-D	43.6 ±4.50	0.4 ±0.04	
4832890	DRNT	07-MAY-11	20-AUG-11	* - LESS THAN INDICATED VALUE BW0018-02-~~A~~ D	* 30.0	* 0.3 ±0.04	
4832912	DRNT	07-MAY-11	20-AUG-11	BW0018-02-A	100.8 ±8.1	1.0 ±0.08	
4832914	DRNT	07-MAY-11	18-AUG-11	BW0032-03-A	34.4 ±3.75	0.3 ±0.04	
48329~~0~~8 PB 9	DRNT	06-MAY-11	20-AUG-11	* - LESS THAN INDICATED VALUE BW0025-03-D	* 30.0	* 0.3 ±0.04	
4833011	DRNT	07-MAY-11	18-AUG-11	* - LESS THAN INDICATED VALUE BW0032-03-D	* 30.0	* 0.3 ±0.04	
4833016	DRNT	07-MAY-11	20-AUG-11	* - LESS THAN INDICATED VALUE BW0018-02-E	* 30.0	* 0.3 ±0.04	
4833021	DRNT	07-MAY-11	18-AUG-11	* - LESS THAN INDICATED VALUE BW0032-03-E	* 30.0	* 0.3 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22270	26-AUG-11	23-AUG-11

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment

Contact Name: Robert Sherman

Contact Phone: 505-285-5395

No: 1-0005100801-110822-0001

DateShipped: 8/22/2011

Lab: Landauer, Inc.

Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	BW0032-03-E	4833021	Radon	Air	5/7/2011	2:26:00 PM	8/18/2011	4:15:00 PM	1	Track Etch Detector	None	START
	BW0032-03-D	4833011	Radon	Air	5/7/2011	2:26:00 PM	8/18/2011	4:15:00 PM	1	Track Etch Detector	None	START
	BW0032-03-A	4832914	Radon	Air	5/7/2011	2:16:00 PM	8/18/2011	4:00:00 PM	1	Track Etch Detector	None	START
	MA0025-03-D	4832702	Radon	Air	4/27/2011	10:01:00 AM	8/19/2011	9:41:00 AM	1	Track Etch Detector	None	START
	MA0025-03-A	4817455	Radon	Air	4/27/2011	9:48:00 AM	8/19/2011	9:30:00 AM	1	Track Etch Detector	None	START
	PV0009-02-D	4817889	Radon	Air	1/18/2011	12:00:00 AM	8/20/2011	12:38:00 PM	1	Track Etch Detector	None	START
	PV0009-02-A	4817888	Radon	Air	1/18/2011	12:00:00 AM	8/20/2011	12:01:00 PM	1	Track Etch Detector	None	START
	BW0025-03-D	4832998	Radon	Air	5/6/2011	2:04:00 PM	8/20/2011	11:25:00 AM	1	Track Etch Detector	None	START
	BW0018-02-E	4833016	Radon	Air	5/7/2011	10:52:00 AM	8/20/2011	10:15:00 AM	1	Track Etch Detector	None	START
	BW0018-02-D	4832890	Radon	Air	5/7/2011	10:52:00 AM	8/20/2011	10:15:00 AM	1	Track Etch Detector	None	START
	BW0018-02-A	4832912	Radon	Air	5/7/2011	10:32:00 AM	8/20/2011	9:56:00 AM	1	Track Etch Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
11 radon detectors	Terry Eng	8/22/11	[illegible]	8/22/11							

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782867	DRNT	28-FEB-11	06-AUG-11	BV0109-01-D	45.9 ±4.01	0.3 ±0.03	
4782869	DRNT	28-FEB-11	06-AUG-11	BV0109-01-A	32.6 ±3.00	0.2 ±0.02	
4782873	DRNT	02-MAR-11	06-AUG-11	BV0110-02-A	45.9 ±4.01	0.3 ±0.03	
4782881	DRNT	13-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE PV0008-03-D	* 30.0	* 0.3 ±0.02	
4782882	DRNT	13-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE VV0003-03-D	* 30.0	* 0.3 ±0.05	
4782900	DRNT	03-MAR-11	08-AUG-11	MA0090-02-A	79.8 ±6.23	0.5 ±0.04	
4782901	DRNT	09-MAR-11	08-AUG-11	OT0036-01-D	60.3 ±5.01	0.4 ±0.03	
4782902	DRNT	09-MAR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0047-01-D	* 30.0	* 0.2 ±0.02	
4782905	DRNT	09-MAR-11	08-AUG-11	MA0047-01-A	42.8 ±3.79	0.3 ±0.02	
4817369	DRNT	23-APR-11	08-AUG-11	MA0094-03-A	190.6 ±11.4	1.8 ±0.11	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	18-OCT-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817374	DRNT	21-APR-11	04-AUG-11	VV0043-03-A	214.4 ±12.3	2.0 ±0.12	
4817382	DRNT	23-APR-11	08-AUG-11	MA0094-03-D	51.5 ±4.61	0.5 ±0.04	
4817384	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS11-03-A	* 30.0	* 0.3 ±0.03	
4817385	DRNT	27-APR-11	08-AUG-11	MA0090-03-D	196.1 ±11.6	1.9 ±0.11	
4817387	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC06-03-A	* 30.0	* 0.3 ±0.04	
4817388	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS06-03-A	* 30.0	* 0.3 ±0.03	
4817400	DRNT	21-APR-11	04-AUG-11	* - LESS THAN INDICATED VALUE VV0043-03-D	* 30.0	* 0.3 ±0.03	
4817402	DRNT	02-MAY-11	03-AUG-11	FMS02-03-A	46.1 ±4.22	0.5 ±0.05	
4817406	DRNT	21-APR-11	06-AUG-11	BV0143-03-D	120.4 ±8.5	1.1 ±0.08	
4817410	DRNT	02-MAY-11	03-AUG-11	* - LESS THAN INDICATED VALUE FMS01-03-A	* 30.0	* 0.3 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	18-OCT-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817414	DRNT	23-APR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0091-03-A	* 30.0	* 0.3 ±0.03	
4817422	DRNT	02-MAY-11	04-AUG-11	FMS12-03-D	86.8 ±6.78	0.9 ±0.07	
4817426	DRNT	21-APR-11	05-AUG-11	VV0004-03-A	37.1 ±3.55	0.3 ±0.03	
4817428	DRNT	21-APR-11	06-AUG-11	BV0143-03-A	55.1 ±4.85	0.5 ±0.05	
4817431	DRNT	21-APR-11	05-AUG-11	VV0004-03-D	49.7 ±4.48	0.5 ±0.04	
4817441	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS03-03-D	* 30.0	* 0.3 ±0.03	
4817443	DRNT	19-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE VV0041-03-A	* 30.0	* 0.3 ±0.03	
4817446	DRNT	14-APR-11	06-AUG-11	* - LESS THAN INDICATED VALUE BV0123-03-A	* 30.0	* 0.3 ±0.03	
4817448	DRNT	15-APR-11	08-AUG-11	VV0061-03-A	411.9 ±18.1	3.6 ±0.16	
4817456	DRNT	18-APR-11	06-AUG-11	FA0075-03-A	110.4 ±8.0	1.0 ±0.07	
①	②	③	④	⑤	⑥	⑦	⑧

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4817457	DRNT	19-APR-11	05-AUG-11	FA0187-03-A	197.0 ±11.7	1.8 ±0.11	
4817459	DRNT	19-APR-11	05-AUG-11	MA0100-03-A	122.2 ±8.6	1.1 ±0.08	
4817462	DRNT	23-APR-11	08-AUG-11	MA0091-03-D	33.4 ±3.26	0.3 ±0.03	
4817533	DRNT	19-APR-11	08-AUG-11	VV0059-03-A	149.5 ±9.8	1.3 ±0.09	
4817546	DRNT	15-APR-11	05-AUG-11	BV0111-03-A	121.3 ±8.5	1.1 ±0.08	
4817551	DRNT	30-APR-11	06-AUG-11	BV0118-03-A	47.9 ±4.35	0.5 ±0.04	
4817678	DRNT	13-APR-11	05-AUG-11	VV0003-03-A	125.4 ±6.7	1.1 ±0.06	
4817684	DRNT	25-MAR-11	08-AUG-11	MA0046-02-F	73.5 ±4.60	0.5 ±0.03	
4817739	DRNT	13-APR-11	05-AUG-11	PV0008-03-A	81.4 ±4.95	0.7 ±0.04	
4817748	DRNT	14-APR-11	06-AUG-11	BV0070-03-A	107.9 ±6.0	0.9 ±0.05	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4828738	DRN	02-MAY-11	05-AUG-11	HMC02-03-A-NTH	93.9 ±7.72	1.0 ±0.08	
4828742	DRN	05-MAY-11	08-AUG-11	VV0016-03-D-NTH	105.9 ±8.3	1.1 ±0.09	
4828743	DRN	02-MAY-11	04-AUG-11	FMS06-03-A-NTH	112.4 ±8.7	1.2 ±0.09	
4828766	DRN	02-MAY-11	04-AUG-11	FMS12-03-A-NTH	51.5 ±5.10	0.5 ±0.05	
4832684	DRNT	30-APR-11	06-AUG-11	BV0118-03-D	36.7 ±3.98	0.4 ±0.04	
4832697	DRNT	05-MAY-11	08-AUG-11	VV0016-03-D	44.1 ±4.57	0.5 ±0.05	
4832698	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-F	* 30.0	* 0.3 ±0.04	
4832705	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS04-03-A	* 30.0	* 0.3 ±0.04	
4832706	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC07-03-F	* 30.0	* 0.3 ±0.04	
4832707	DRNT	05-MAY-11	08-AUG-11	VV0016-03-A	142.9 ±10.1	1.5 ±0.11	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832708	DRNT	02-MAY-11	04-AUG-11	FMS05-03-A	61.6 ±5.82	0.7 ±0.06	
4832711	DRNT	02-MAY-11	04-AUG-11	FMS01-03-D	55.1 ±5.38	0.6 ±0.06	
4832726	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS09-03-A	* 30.0	* 0.3 ±0.04	
4832730	DRNT	02-MAY-11	05-AUG-11	HMC02-03-D	58.8 ±5.63	0.6 ±0.06	
4832736	DRNT	02-MAY-11	04-AUG-11	HMC08-03-A	32.1 ±3.59	0.3 ±0.04	
4832742	DRNT	02-MAY-11	04-AUG-11	FMS11-03-D	57.9 ±5.57	0.6 ±0.06	
4832743	DRNT	02-MAY-11	04-AUG-11	HMC04-03-F	73.6 ±6.58	0.8 ±0.07	
4832748	DRNT	02-MAY-11	04-AUG-11	FMS10-03-A	30.3 ±3.43	0.3 ±0.04	
4832751	DRNT	02-MAY-11	04-AUG-11	FMS08-03-D	68.0 ±6.24	0.7 ±0.07	
4832753	DRNT	02-MAY-11	04-AUG-11	HMC03-03-D	39.5 ±4.21	0.4 ±0.04	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832754	DRNT	02-MAY-11	04-AUG-11	FMS02-03-D	69.9 ±6.35	0.7 ±0.07	
4832758	DRNT	02-MAY-11	04-AUG-11	FMS07-03-A	63.4 ±5.94	0.7 ±0.06	
4832759	DRNT	02-MAY-11	04-AUG-11	HMC04-03-A	81.9 ±7.07	0.9 ±0.08	
4832947	DRNT	02-MAY-11	04-AUG-11	FMS06-03-C	45.9 ±4.71	0.5 ±0.05	
4832948	DRNT	02-MAY-11	04-AUG-11	HMC08-03-D	50.5 ±5.05	0.5 ±0.05	
4832950	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS08-03-A	* 30.0	* 0.3 ±0.04	
4832951	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-A	* 30.0	* 0.3 ±0.04	
4832955	DRNT	02-MAY-11	04-AUG-11	HMC05-03-D	40.4 ±4.28	0.4 ±0.05	
4832956	DRNT	30-APR-11	08-AUG-11	MA0046-03-C	127.2 ±9.4	1.3 ±0.09	
4832957	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS05-03-D	* 30.0	* 0.3 ±0.04	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832958	DRNT	02-MAY-11	04-AUG-11	FMS04-03-D	52.4 ±5.18	0.6 ±0.06	
4832959	DRNT	02-MAY-11	04-AUG-11	HMC05-03-F	33.9 ±3.75	0.4 ±0.04	
4832961	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC05-03-A	* 30.0	* 0.3 ±0.04	
4832964	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS10-03-D	* 30.0	* 0.3 ±0.04	
4832966	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC08-03-F	* 30.0	* 0.3 ±0.05	
4832968	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC06-03-F	* 30.0	* 0.3 ±0.04	
4832969	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS07-03-D	* 30.0	* 0.3 ±0.04	
4832972	DRNT	02-MAY-11	05-AUG-11	HMC01-03-A	42.2 ±4.43	0.4 ±0.05	
4832973	DRNT	02-MAY-11	04-AUG-11	HMC06-03-D	39.5 ±4.21	0.4 ±0.04	
4832977	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS09-03-D	* 30.0	* 0.3 ±0.04	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832989	DRNT	02-MAY-11	04-AUG-11	HMC07-03-D	39.5 ±4.21	0.4 ±0.04	
4832991	DRNT	02-MAY-11	04-AUG-11	HMC03-03-A	56.0 ±5.44	0.6 ±0.06	
4832993	DRNT	02-MAY-11	04-AUG-11	FMS06-03-D	34.9 ±3.83	0.4 ±0.04	
4832994	DRNT	02-MAY-11	04-AUG-11	HMC03-03-F	55.1 ±5.38	0.6 ±0.06	
4832997	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS06-03-E	* 30.0	* 0.3 ±0.04	
4832998	DRNT	30-APR-11	08-AUG-11	MA0046-03-D	30.3 ±3.43	0.3 ±0.03	
4832999	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-D	* 30.0	* 0.3 ±0.04	
4833000	DRNT	02-MAY-11	04-AUG-11	HMC04-03-D	43.1 ±4.50	0.5 ±0.05	
4833002	DRNT	02-MAY-11	05-AUG-11	* - LESS THAN INDICATED VALUE HMC01-03-F	* 30.0	* 0.3 ±0.04	
4833003	DRNT	30-APR-11	08-AUG-11	MA0046-03-A	121.6 ±9.1	1.2 ±0.09	
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4833004	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS12-03-A	* 30.0	* 0.3 ±0.04	
4833005	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC07-03-A	* 30.0	* 0.3 ±0.04	
4833027	DRNT	02-MAY-11	05-AUG-11	HMC02-03-A	61.6 ±5.82	0.6 ±0.06	
4833028	DRNT	02-MAY-11	05-AUG-11	HMC01-03-D	47.7 ±4.85	0.5 ±0.05	
4833029	DRNT	02-MAY-11	05-AUG-11	HMC02-03-F	52.4 ±5.18	0.6 ±0.05	
4833033	DRNT	30-APR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0046-03-E	* 30.0	* 0.3 ±0.04	
4833034	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS10-03-C	* 30.0	* 0.3 ±0.04	
4833036	DRNT	02-MAY-11	04-AUG-11	FMS03-03-A	41.3 ±4.35	0.4 ±0.05	
4833661	DRN	02-MAY-11	03-AUG-11	FMS01-03-A-NTH	80.2 ±6.87	0.9 ±0.07	
4834194	DRNP	05-MAY-11	08-AUG-11	VV0016-03-C-NTH	193.0 ±11.9	2.0 ±0.13	
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4834198	DRNP	02-MAY-11	05-AUG-11	HMC01-03-A-NTH	74.5 ±6.54	0.8 ±0.07	
4834200	DRNP	02-MAY-11	04-AUG-11	HMC08-03-A-NTH	98.5 ±7.86	0.0 ±0.00	
4834203	DRNP	02-MAY-11	04-AUG-11	FMS09-03-A-NTH	76.3 ±6.64	0.8 ±0.07	
4834207	DRNP	02-MAY-11	04-AUG-11	HMC04-03-A-NTH	110.0 ±8.4	1.2 ±0.09	
4834208	DRNP	05-MAY-11	08-AUG-11	VV016-03-A-NTH	160.8 ±10.7	1.7 ±0.11	
4834209	DRNP	02-MAY-11	04-AUG-11	FMS05-03-A-NTH	126.1 ±9.2	1.3 ±0.10	
4834210	DRNP	02-MAY-11	04-AUG-11	HMC07-03-A-NTH	164.4 ±10.8	1.7 ±0.12	
4834211	DRNP	02-MAY-11	04-AUG-11	FMS06-03-C-NTH	100.3 ±8.0	1.1 ±0.08	
4834212	DRNP	02-MAY-11	04-AUG-11	FMS03-03-A-NTH	146.6 ±10.1	1.6 ±0.11	
4834216	DRNP	02-MAY-11	04-AUG-11	HMC05-03-A-NTH	164.4 ±10.8	1.7 ±0.12	
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*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782867	DRNT	28-FEB-11	06-AUG-11	BV0109-01-D	45.9 ±4.01	0.3 ±0.03	
4782869	DRNT	28-FEB-11	06-AUG-11	BV0109-01-A	32.6 ±3.00	0.2 ±0.02	
4782873	DRNT	02-MAR-11	06-AUG-11	BV0110-02-A	45.9 ±4.01	0.3 ±0.03	
4782881	DRNT	13-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE PV0008-03-D	* 30.0	* 0.3 ±0.02	
4782882	DRNT	13-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE VV0003-03-D	* 30.0	* 0.3 ±0.05	
4782900	DRNT	03-MAR-11	08-AUG-11	MA0090-02-A	79.8 ±6.23	0.5 ±0.04	
4782901	DRNT	09-MAR-11	06-AUG-11	OT0036-01-D	60.3 ±5.01	0.4 ±0.03	
4782902	DRNT	09-MAR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0047-01-D	* 30.0	* 0.2 ±0.02	
4782905	DRNT	09-MAR-11	08-AUG-11	MA0047-01-A	42.8 ±3.79	0.3 ±0.02	
4817369	DRNT	23-APR-11	08-AUG-11	MA0094-03-A	190.6 ±11.4	1.8 ±0.11	
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4817374	DRNT	21-APR-11	04-AUG-11	VV0043-03-A	214.4 ±12.3	2.0 ±0.12	
4817382	DRNT	23-APR-11	08-AUG-11	MA0094-03-D	51.5 ±4.61	0.5 ±0.04	
4817384	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS11-03-A	* 30.0	* 0.3 ±0.03	
4817385	DRNT	27-APR-11	08-AUG-11	MA0090-03-D	196.1 ±11.6	1.9 ±0.11	
4817387	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC06-03-A	* 30.0	* 0.3 ±0.04	
4817388	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS06-03-A	* 30.0	* 0.3 ±0.03	
4817400	DRNT	21-APR-11	04-AUG-11	* - LESS THAN INDICATED VALUE VV0043-03-D	* 30.0	* 0.3 ±0.03	
4817402	DRNT	02-MAY-11	03-AUG-11	FMS02-03-A	46.1 ±4.22	0.5 ±0.05	
4817406	DRNT	21-APR-11	06-AUG-11	BV0143-03-D	120.4 ±8.5	1.1 ±0.08	
4817410	DRNT	02-MAY-11	03-AUG-11	* - LESS THAN INDICATED VALUE FMS01-03-A	* 30.0	* 0.3 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

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*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817414	DRNT	23-APR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0091-03-A	* 30.0	* 0.3 ±0.03	
4817422	DRNT	02-MAY-11	04-AUG-11	FMS12-03-D	86.8 ±6.78	0.9 ±0.07	
4817426	DRNT	21-APR-11	05-AUG-11	VV0004-03-A	37.1 ±3.55	0.3 ±0.03	
4817428	DRNT	21-APR-11	06-AUG-11	BV0143-03-A	55.1 ±4.85	0.5 ±0.05	
4817431	DRNT	21-APR-11	05-AUG-11	VV0004-03-D	49.7 ±4.48	0.5 ±0.04	
4817441	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS03-03-D	* 30.0	* 0.3 ±0.03	
4817443	DRNT	19-APR-11	05-AUG-11	* - LESS THAN INDICATED VALUE VV0041-03-A	* 30.0	* 0.3 ±0.03	
4817446	DRNT	14-APR-11	06-AUG-11	* - LESS THAN INDICATED VALUE BV0123-03-A	* 30.0	* 0.3 ±0.03	
4817448	DRNT	15-APR-11	08-AUG-11	VV0061-03-A	411.9 ±18.1	3.6 ±0.16	
4817456	DRNT	18-APR-11	06-AUG-11	FA0075-03-A	110.4 ±8.0	1.0 ±0.07	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	18-OCT-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4817457	DRNT	19-APR-11	05-AUG-11	FA0187-03-A	197.0 ±11.7	1.8 ±0.11	
4817459	DRNT	19-APR-11	05-AUG-11	MA0100-03-A	122.2 ±8.6	1.1 ±0.08	
4817462	DRNT	23-APR-11	08-AUG-11	MA0091-03-D	33.4 ±3.26	0.3 ±0.03	
4817533	DRNT	19-APR-11	08-AUG-11	VV0059-03-A	149.5 ±9.8	1.3 ±0.09	
4817546	DRNT	15-APR-11	05-AUG-11	BV0111-03-A	121.3 ±8.5	1.1 ±0.08	
4817551	DRNT	30-APR-11	06-AUG-11	BV0118-03-A	47.9 ±4.35	0.5 ±0.04	
4817678	DRNT	13-APR-11	05-AUG-11	VV0003-03-A	125.4 ±6.7	1.1 ±0.06	
4817684	DRNT	25-MAR-11	08-AUG-11	MA0046-02-F	73.5 ±4.60	0.5 ±0.03	
4817739	DRNT	13-APR-11	05-AUG-11	PV0008-03-A	81.4 ±4.95	0.7 ±0.04	
4817748	DRNT	14-APR-11	06-AUG-11	BV0070-03-A	107.9 ±6.0	0.9 ±0.05	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
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LMR	A22263	18-OCT-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4828738	DRN	02-MAY-11	05-AUG-11	HMC02-03-A-NTH	93.9 ±7.72	1.0 ±0.08	
4828742	DRN	05-MAY-11	08-AUG-11	VV0016-03-D-NTH	105.9 ±8.3	1.1 ±0.09	
4828743	DRN	02-MAY-11	04-AUG-11	FMS06-03-A-NTH	112.4 ±8.7	1.2 ±0.09	
4828766	DRN	02-MAY-11	04-AUG-11	FMS12-03-A-NTH	51.5 ±5.10	0.5 ±0.05	
4832684	DRNT	30-APR-11	06-AUG-11	BV0118-03-D	36.7 ±3.98	0.4 ±0.04	
4832697	DRNT	05-MAY-11	08-AUG-11	VV0016-03-D	44.1 ±4.57	0.5 ±0.05	
4832698	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-F	* 30.0	* 0.3 ±0.04	
4832705	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS04-03-A	* 30.0	* 0.3 ±0.04	
4832706	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC07-03-F	* 30.0	* 0.3 ±0.04	
4832707	DRNT	05-MAY-11	08-AUG-11	VV0016-03-A	142.9 ±10.1	1.5 ±0.11	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	18-OCT-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
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LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832708	DRNT	02-MAY-11	04-AUG-11	FMS05-03-A	61.6 ±5.82	0.7 ±0.06	
4832711	DRNT	02-MAY-11	04-AUG-11	FMS01-03-D	55.1 ±5.38	0.6 ±0.06	
4832726	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS09-03-A	* 30.0	* 0.3 ±0.04	
4832730	DRNT	02-MAY-11	05-AUG-11	HMC02-03-D	58.8 ±5.63	0.6 ±0.06	
4832736	DRNT	02-MAY-11	04-AUG-11	HMC08-03-A	32.1 ±3.59	0.3 ±0.04	
4832742	DRNT	02-MAY-11	04-AUG-11	FMS11-03-D	57.9 ±5.57	0.6 ±0.06	
4832743	DRNT	02-MAY-11	04-AUG-11	HMC04-03-F	73.6 ±6.58	0.8 ±0.07	
4832748	DRNT	02-MAY-11	04-AUG-11	FMS10-03-A	30.3 ±3.43	0.3 ±0.04	
4832751	DRNT	02-MAY-11	04-AUG-11	FMS08-03-D	68.0 ±6.24	0.7 ±0.07	
4832753	DRNT	02-MAY-11	04-AUG-11	HMC03-03-D	39.5 ±4.21	0.4 ±0.04	
1	2	3	4	5	6	7	8

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Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832754	DRNT	02-MAY-11	04-AUG-11	FMS02-03-D	69.9 ±6.35	0.7 ±0.07	
4832758	DRNT	02-MAY-11	04-AUG-11	FMS07-03-A	63.4 ±5.94	0.7 ±0.06	
4832759	DRNT	02-MAY-11	04-AUG-11	HMC04-03-A	81.9 ±7.07	0.9 ±0.08	
4832947	DRNT	02-MAY-11	04-AUG-11	FMS06-03-C	45.9 ±4.71	0.5 ±0.05	
4832948	DRNT	02-MAY-11	04-AUG-11	HMC08-03-D	50.5 ±5.05	0.5 ±0.05	
4832950	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS08-03-A	* 30.0	* 0.3 ±0.04	
4832951	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-A	* 30.0	* 0.3 ±0.04	
4832955	DRNT	02-MAY-11	04-AUG-11	HMC05-03-D	40.4 ±4.28	0.4 ±0.05	
4832956	DRNT	30-APR-11	08-AUG-11	MA0046-03-C	127.2 ±9.4	1.3 ±0.09	
4832957	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS05-03-D	* 30.0	* 0.3 ±0.04	
1	2	3	4	5	6	7	8

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LMR	A22263	18-OCT-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
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Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
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*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832958	DRNT	02-MAY-11	04-AUG-11	FMS04-03-D	52.4 ±5.18	0.6 ±0.06	
4832959	DRNT	02-MAY-11	04-AUG-11	HMC05-03-F	33.9 ±3.75	0.4 ±0.04	
4832961	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC05-03-A	* 30.0	* 0.3 ±0.04	
4832964	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS10-03-D	* 30.0	* 0.3 ±0.04	
4832966	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC08-03-F	* 30.0	* 0.3 ±0.05	
4832968	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC06-03-F	* 30.0	* 0.3 ±0.04	
4832969	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS07-03-D	* 30.0	* 0.3 ±0.04	
4832972	DRNT	02-MAY-11	05-AUG-11	HMC01-03-A	42.2 ±4.43	0.4 ±0.05	
4832973	DRNT	02-MAY-11	04-AUG-11	HMC06-03-D	39.5 ±4.21	0.4 ±0.04	
4832977	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS09-03-D	* 30.0	* 0.3 ±0.04	
1	2	3	4	5	6	7	8

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*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832989	DRNT	02-MAY-11	04-AUG-11	HMC07-03-D	39.5 ±4.21	0.4 ±0.04	
4832991	DRNT	02-MAY-11	04-AUG-11	HMC03-03-A	56.0 ±5.44	0.6 ±0.06	
4832993	DRNT	02-MAY-11	04-AUG-11	FMS06-03-D	34.9 ±3.83	0.4 ±0.04	
4832994	DRNT	02-MAY-11	04-AUG-11	HMC03-03-F	55.1 ±5.38	0.6 ±0.06	
4832997	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS06-03-E	* 30.0	* 0.3 ±0.04	
4832998	DRNT	30-APR-11	08-AUG-11	MA0046-03-D	30.3 ±3.43	0.3 ±0.03	
4832999	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC09-03-D	* 30.0	* 0.3 ±0.04	
4833000	DRNT	02-MAY-11	04-AUG-11	HMC04-03-D	43.1 ±4.50	0.5 ±0.05	
4833002	DRNT	02-MAY-11	05-AUG-11	* - LESS THAN INDICATED VALUE HMC01-03-F	* 30.0	* 0.3 ±0.04	
4833003	DRNT	30-APR-11	08-AUG-11	MA0046-03-A	121.6 ±9.1	1.2 ±0.09	
1	2	3	4	5	6	7	8

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LMR	A22263	18-OCT-11	12-AUG-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4833004	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS12-03-A	* 30.0	* 0.3 ±0.04	
4833005	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE HMC07-03-A	* 30.0	* 0.3 ±0.04	
4833027	DRNT	02-MAY-11	05-AUG-11	HMC02-03-A	61.6 ±5.82	0.6 ±0.06	
4833028	DRNT	02-MAY-11	05-AUG-11	HMC01-03-D	47.7 ±4.85	0.5 ±0.05	
4833029	DRNT	02-MAY-11	05-AUG-11	HMC02-03-F	52.4 ±5.18	0.6 ±0.05	
4833033	DRNT	30-APR-11	08-AUG-11	* - LESS THAN INDICATED VALUE MA0046-03-E	* 30.0	* 0.3 ±0.04	
4833034	DRNT	02-MAY-11	04-AUG-11	* - LESS THAN INDICATED VALUE FMS10-03-C	* 30.0	* 0.3 ±0.04	
4833036	DRNT	02-MAY-11	04-AUG-11	FMS03-03-A	41.3 ±4.35	0.4 ±0.05	
4833661	DRN	02-MAY-11	03-AUG-11	FMS01-03-A-NTH	80.2 ±6.87	0.9 ±0.07	
4834194	DRNP	05-MAY-11	08-AUG-11	VV0016-03-C-NTH	193.0 ±11.9	2.0 ±0.13	
1	2	3	4	5	6	7	8

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Radon Monitoring Report

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Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4834198	DRNP	02-MAY-11	05-AUG-11	HMC01-03-A-NTH	74.5 ±6.54	0.8 ±0.07	
4834200	DRNP	02-MAY-11	04-AUG-11	HMC08-03-A-NTH	98.5 ±7.86	0.0 ±0.00	
4834203	DRNP	02-MAY-11	04-AUG-11	FMS09-03-A-NTH	76.3 ±6.64	0.8 ±0.07	
4834207	DRNP	02-MAY-11	04-AUG-11	HMC04-03-A-NTH	110.0 ±8.4	1.2 ±0.09	
4834208	DRNP	05-MAY-11	08-AUG-11	VV016-03-A-NTH	160.8 ±10.7	1.7 ±0.11	
4834209	DRNP	02-MAY-11	04-AUG-11	FMS05-03-A-NTH	126.1 ±9.2	1.3 ±0.10	
4834210	DRNP	02-MAY-11	04-AUG-11	HMC07-03-A-NTH	164.4 ±10.8	1.7 ±0.12	
4834211	DRNP	02-MAY-11	04-AUG-11	FMS06-03-C-NTH	100.3 ±8.0	1.1 ±0.08	
4834212	DRNP	02-MAY-11	04-AUG-11	FMS03-03-A-NTH	146.6 ±10.1	1.6 ±0.11	
4834216	DRNP	02-MAY-11	04-AUG-11	HMC05-03-A-NTH	164.4 ±10.8	1.7 ±0.12	
1	2	3	4	5	6	7	8

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22263	18-OCT-11	12-AUG-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
KANSAS CITY, MO 64106

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783331	DRNT	16-SEP-10	18-NOV-11	FA0087-01-B	275.9 ±14.6	0.6 ±0.03	
4783374	DRNT	15-SEP-10	18-NOV-11	FA0053-01-B	654.9 ±24.7	1.5 ±0.06	
4783375	DRNT	15-SEP-10	18-NOV-11	VV0013-01-C	2175.8 ±48.3	5.1 ±0.11	
4783377	DRNT	15-SEP-10	18-NOV-11	VV0013-01-B	2124.6 ±47.6	5.0 ±0.11	
4783389	DRNT	15-SEP-10	16-NOV-11	BV0118-01-B	291.1 ±15.2	0.7 ±0.04	
4783405	DRNT	15-SEP-10	18-NOV-11	VV0003-01-B	900.4 ±29.6	2.1 ±0.07	
4783408	DRNT	15-SEP-10	16-NOV-11	BV0111-01-B	584.9 ±23.1	1.4 ±0.05	
4783418	DRNT	11-OCT-10	18-NOV-11	BV0143-01-B	239.5 ±13.4	0.6 ±0.03	
4795036	DRNT	15-AUG-10	16-NOV-11	PV0073-01-B	380.8 ±19.0	0.8 ±0.04	
4795070	DRNT	15-SEP-10	16-NOV-11	BV0104-01-B	371.6 ±18.7	0.9 ±0.04	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
KJT	A22336	01-DEC-11	22-NOV-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
KANSAS CITY, MO 64106

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4795080	DRNT	15-SEP-10	16-NOV-11	PV0073-01-C	334.8 ±17.7	0.8 ±0.04	
4795098	DRNT	14-SEP-10	18-NOV-11	MA0101-01-B	1272.9 ±36.0	3.0 ±0.08	
4795103	DRNT	14-SEP-10	16-NOV-11	VV0041-01-B	406.4 ±19.7	0.9 ±0.05	
1	2	3	4	5	6	7	8

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Q.C. Release	Process No.	Report Date	Date Received
KJT	A22336	01-DEC-11	22-NOV-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782884	DRNT	03-NOV-10	18-NOV-11	MA0134-01-B	179.2 ±10.9	0.5 ±0.03	
4782948	DRNT	21-OCT-10	18-NOV-11	BV0122-01-B	1459.5 ±38.2	3.7 ±0.10	
4782952	DRNT	22-OCT-10	18-NOV-11	PV0006-01-B	596.9 ±23.1	1.5 ±0.06	
4788158	DRNF	09-OCT-10	16-NOV-11	VV0059-01-B	977.7 ±30.4	2.4 ±0.08	
4788179	DRNF	19-OCT-10	17-NOV-11	VV0004-01-B	393.0 ±18.0	1.0 ±0.05	
4788225	DRNF	16-OCT-10	16-NOV-11	BV0160-01-B	282.3 ±14.7	0.7 ±0.04	
4788246	DRNF	20-OCT-10	16-NOV-11	BV0159-01-B	267.0 ±14.2	0.7 ±0.04	
4788248	DRNF	20-OCT-10	16-NOV-11	BV0159-01-C	235.4 ±13.1	0.6 ±0.03	
4817452	DRNT	18-APR-11	16-NOV-11	PV0074-01-B	176.2 ±10.6	0.8 ±0.05	
4828753	DRN	04-AUG-11	17-NOV-11	HMC05-04-A-NTH	205.0 ±11.9	2.0 ±0.11	
1	2	3	4	5	6	7	8

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KJT	A22336	01-DEC-11	22-NOV-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4831350	DRN	10-AUG-11	18-NOV-11	VV0013-04-A-NTH	334.4 ±15.9	3.3 ±0.16	
4831360	DRN	04-AUG-11	17-NOV-11	HMC08-04-A-NTH	96.0 ±7.15	0.9 ±0.07	
4831365	DRN	04-AUG-11	17-NOV-11	FMS05-04-A-NTH	123.3 ±8.5	1.2 ±0.08	
4831369	DRN	04-AUG-11	17-NOV-11	FMS12-04-A-NTH	58.8 ±4.98	0.6 ±0.05	
4831378	DRN	04-AUG-11	17-NOV-11	FMS06-04-C-NTH	123.3 ±8.5	1.2 ±0.08	
4831379	DRN	04-AUG-11	17-NOV-11	FMS09-04-A-NTH	84.2 ±6.51	0.8 ±0.06	
4831392	DRN	04-AUG-11	17-NOV-11	HMC04-04-A-NTH	102.3 ±7.5	1.0 ±0.07	
4831393	DRN	04-AUG-11	17-NOV-11	FMS06-04-A-NTH	156.1 ±10.0	1.5 ±0.09	
4831394	DRN	12-AUG-11	18-NOV-11	BV0122-04-A-NTH	352.9 ±16.5	3.6 ±0.17	
4831404	DRN	05-AUG-11	17-NOV-11	HMC01-04-A-NTH	98.7 ±7.30	0.9 ±0.07	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4831407	DRN	05-AUG-11	17-NOV-11	HMC02-04-A-NTH	138.8 ±9.2	1.3 ±0.09	
4831409	DRN	12-AUG-11	18-NOV-11	BV0122-04-D-NTH	86.4 ±7.03	0.9 ±0.07	
4831410	DRN	12-AUG-11	18-NOV-11	BV0122-04-C-NTH	327.0 ±15.7	3.3 ±0.16	
4831413	DRN	10-AUG-11	18-NOV-11	VV0013-04-D-NTH	84.0 ±6.50	0.8 ±0.06	
4831417	DRN	04-AUG-11	17-NOV-11	FMS03-04-A-NTH	115.1 ±8.1	1.1 ±0.08	
4831440	DRN	04-AUG-11	17-NOV-11	HMC07-04-A-NTH	173.5 ±10.7	1.7 ±0.10	
4831447	DRN	04-AUG-11	17-NOV-11	FMS01-04-A-NTH	82.3 ±6.41	0.8 ±0.06	
4832808	DRNT	05-AUG-11	16-NOV-11	VV0041-04-A	37.6 ±3.52	0.4 ±0.03	
4832809	DRNT	04-AUG-11	17-NOV-11	FMS01-04-D	33.0 ±3.16	0.3 ±0.03	
4832817	DRNT	04-AUG-11	17-NOV-11	FMS02-04-A	48.6 ±4.33	0.5 ±0.04	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832823	DRNT	05-AUG-11	16-NOV-11	* - LESS THAN INDICATED VALUE BV0111-04-D	* 30.0	* 0.3 ±0.03	
4832828	DRNT	02-AUG-11	16-NOV-11	BV0160-04-A	35.7 ±3.38	0.3 ±0.03	
4832832	DRNT	02-AUG-11	16-NOV-11	* - LESS THAN INDICATED VALUE BV0159-04-A	* 30.0	* 0.3 ±0.03	
4832835	DRNT	05-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE HMC01-04-F	* 30.0	* 0.3 ±0.03	
4832838	DRNT	02-AUG-11	16-NOV-11	BV0160-04-C	71.7 ±5.83	0.7 ±0.06	
4832839	DRNT	04-AUG-11	17-NOV-11	FMS04-04-D	91.0 ±6.94	0.9 ±0.07	
4832840	DRNT	02-AUG-11	16-NOV-11	BV0159-04-C	41.3 ±3.80	0.4 ±0.04	
4832841	DRNT	05-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE VV0004-04-D	* 30.0	* 0.3 ±0.03	
4832847	DRNT	03-AUG-11	16-NOV-11	PV0073-04-D	52.3 ±4.59	0.5 ±0.04	
4832849	DRNT	02-AUG-11	16-NOV-11	* - LESS THAN INDICATED VALUE BV0160-04-D	* 30.0	* 0.3 ±0.03	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832850	DRNT	04-AUG-11	17-NOV-11	FMS04-04-A	49.5 ±4.40	0.5 ±0.04	
4832859	DRNT	04-AUG-11	17-NOV-11	FMS03-04-A	60.6 ±5.14	0.6 ±0.05	
4832877	DRNT	04-AUG-11	17-NOV-11	FMS03-04-D	51.4 ±4.52	0.5 ±0.04	
4832878	DRNT	03-AUG-11	16-NOV-11	PV0073-04-A	59.7 ±5.08	0.6 ±0.05	
4832882	DRNT	01-AUG-11	16-NOV-11	BV0104-04-D	33.0 ±3.16	0.3 ±0.03	
4832884	DRNT	01-AUG-11	16-NOV-11	BV0104-04-A	37.6 ±3.52	0.4 ±0.03	
4832885	DRNT	04-AUG-11	17-NOV-11	FMS06-04-D	43.1 ±3.93	0.4 ±0.04	
4832888	DRNT	02-AUG-11	18-NOV-11	MA0101-04-A	195.7 ±11.6	1.8 ±0.11	
4832893	DRNT	04-AUG-11	17-NOV-11	HMC05-04-A	40.3 ±3.73	0.4 ±0.04	
4832896	DRNT	02-AUG-11	16-NOV-11	BV0159-04-D	33.0 ±3.16	0.3 ±0.03	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832903	DRNT	05-AUG-11	16-NOV-11	VV0041-04-D	31.1 ±3.01	0.3 ±0.03	
4832904	DRNT	04-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE FMS01-04-A	* 30.0	* 0.3 ±0.03	
4832908	DRNT	03-AUG-11	16-NOV-11	PV0074-02-A	80.0 ±6.32	0.8 ±0.06	
4832910	DRNT	04-AUG-11	17-NOV-11	FMS05-04-D	56.9 ±4.90	0.5 ±0.05	
4832918	DRNT	05-AUG-11	17-NOV-11	VV0004-04-A	55.1 ±4.77	0.5 ±0.05	
4832919	DRNT	04-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE HMC05-04-F	* 30.0	* 0.3 ±0.03	
4832920	DRNT	04-AUG-11	17-NOV-11	FMS12-04-D	32.1 ±3.08	0.3 ±0.03	
4832922	DRNT	04-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE HMC08-04-D	* 30.0	* 0.3 ±0.03	
4832924	DRNT	03-AUG-11	16-NOV-11	PV0074-02-D	44.0 ±4.00	0.4 ±0.04	
4832930	DRNT	04-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE HMC05-04-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832937	DRNT	02-AUG-11	18-NOV-11	* - LESS THAN INDICATED VALUE MA0101-04-D	* 30.0	* 0.3 ±0.03	
4832986	DRNT	26-APR-11	16-NOV-11	PV0029-01-B	585.5 ±22.2	2.9 ±0.11	
4833008	DRNT	02-AUG-11	18-NOV-11	MA0101-04-C	188.3 ±11.3	1.7 ±0.10	
4833023	DRNT	04-AUG-11	17-NOV-11	HMC07-04-A	41.3 ±3.80	0.4 ±0.04	
4846053	DRNT	04-AUG-11	17-NOV-11	HMC06-04-D	63.1 ±5.73	0.6 ±0.05	
4846055	DRNT	08-AUG-11	15-NOV-11	VV0059-04-A	235.5 ±13.4	2.4 ±0.14	
4846056	DRNT	05-AUG-11	17-NOV-11	HMC01-04-D	77.7 ±6.64	0.7 ±0.06	
4846058	DRNT	04-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE HMC09-04-D	* 30.0	* 0.3 ±0.03	
4846060	DRNT	04-AUG-11	17-NOV-11	FMS12-04-A	53.0 ±5.05	0.5 ±0.05	
4846067	DRNT	05-AUG-11	17-NOV-11	HMC02-04-A	56.7 ±5.31	0.5 ±0.05	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846070	DRNT	04-AUG-11	17-NOV-11	HMC04-04-D	57.6 ±5.37	0.5 ±0.05	
4846072	DRNT	04-AUG-11	17-NOV-11	HMC08-04-A	47.5 ±4.66	0.5 ±0.04	
4846074	DRNT	04-AUG-11	17-NOV-11	FMS09-04-D	43.9 ±4.39	0.4 ±0.04	
4846079	DRNT	06-AUG-11	16-NOV-11	BV0118-04-A	90.6 ±7.37	0.9 ±0.07	
4846087	DRNT	06-AUG-11	18-NOV-11	BV0143-04-C	89.5 ±7.31	0.9 ±0.07	
4846088	DRNT	04-AUG-11	17-NOV-11	FMS09-04-A	31.1 ±3.35	0.3 ±0.03	
4846093	DRNT	04-AUG-11	17-NOV-11	HMC04-04-A	60.3 ±5.55	0.6 ±0.05	
4846095	DRNT	04-AUG-11	17-NOV-11	HMC03-04-F	75.9 ±6.53	0.7 ±0.06	
4846104	DRNT	13-AUG-11	18-NOV-11	PV0006-04-E	59.3 ±5.48	0.6 ±0.06	
4846109	DRNT	08-AUG-11	16-NOV-11	VV0059-04-D	32.0 ±3.43	0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846111	DRNT	04-AUG-11	17-NOV-11	FMS06-04-A	56.7 ±5.31	0.5 ±0.05	
4846112	DRNT	05-AUG-11	17-NOV-11	HMC01-04-A	58.5 ±5.43	0.6 ±0.05	
4846117	DRNT	04-AUG-11	17-NOV-11	FMS08-04-D	58.5 ±5.43	0.6 ±0.05	
4846120	DRNT	04-AUG-11	17-NOV-11	HMC03-04-D	54.8 ±5.18	0.5 ±0.05	
4846122	DRNT	04-AUG-11	17-NOV-11	HMC06-04-F	39.3 ±4.03	0.4 ±0.04	
4846127	DRNT	05-AUG-11	17-NOV-11	HMC02-04-F	77.7 ±6.64	0.7 ±0.06	
4846128	DRNT	05-AUG-11	16-NOV-11	BV0111-04-A	153.1 ±10.3	1.5 ±0.10	
4846129	DRNT	04-AUG-11	17-NOV-11	FMS06-04-C	72.2 ±6.31	0.7 ±0.06	
4846132	DRNT	04-AUG-11	17-NOV-11	FMS05-04-A	57.6 ±5.37	0.5 ±0.05	
4846135	DRNT	05-AUG-11	17-NOV-11	HMC02-04-D	73.2 ±6.37	0.7 ±0.06	
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4846143	DRNT	06-AUG-11	16-NOV-11	BV0118-04-C	72.2 ±6.31	0.7 ±0.06	
4846144	DRNT	06-AUG-11	18-NOV-11	BV0143-04-A	71.2 ±6.24	0.7 ±0.06	
4846149	DRNT	04-AUG-11	17-NOV-11	FMS08-04-A	55.7 ±5.24	0.5 ±0.05	
4846151	DRNT	04-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE HMC09-04-F	* 30.0	* 0.3 ±0.03	
4846154	DRNT	12-AUG-11	18-NOV-11	* - LESS THAN INDICATED VALUE BV0122-04-D	* 30.0	* 0.3 ±0.04	
4846158	DRNT	04-AUG-11	17-NOV-11	HMC07-04-D	31.1 ±3.35	0.3 ±0.03	
4846163	DRNT	04-AUG-11	17-NOV-11	FMS10-04-A	40.2 ±4.10	0.4 ±0.04	
4846165	DRNT	06-AUG-11	16-NOV-11	BV0118-04-D	36.5 ±3.81	0.4 ±0.04	
4846167	DRNT	05-AUG-11	18-NOV-11	VV0003-04-A	132.8 ±9.5	1.3 ±0.09	
4846169	DRNT	04-AUG-11	17-NOV-11	HMC06-04-A	57.6 ±5.37	0.5 ±0.05	
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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846171	DRNT	04-AUG-11	17-NOV-11	FMS02-04-D	64.9 ±5.85	0.6 ±0.06	
4846172	DRNT	04-AUG-11	17-NOV-11	HMC04-04-F	41.1 ±4.17	0.4 ±0.04	
4846173	DRNT	05-AUG-11	18-NOV-11	VV0003-04-D	35.5 ±3.72	0.3 ±0.04	
4846174	DRNT	04-AUG-11	17-NOV-11	FMS06-04-E	97.0 ±7.72	0.9 ±0.07	
4846177	DRNT	04-AUG-11	17-NOV-11	HMC03-04-A	74.1 ±6.42	0.7 ±0.06	
4846181	DRNT	04-AUG-11	17-NOV-11	HMC07-04-F	48.4 ±4.73	0.5 ±0.05	
4846182	DRNT	12-AUG-11	18-NOV-11	FA0053-04-A	205.7 ±12.4	2.1 ±0.13	
4846183	DRNT	04-AUG-11	17-NOV-11	FMS11-04-A	33.8 ±3.58	0.3 ±0.03	
4846187	DRNT	13-AUG-11	16-NOV-11	BV0139-04-D	49.3 ±4.79	0.5 ±0.05	
4846202	DRNT	04-AUG-11	17-NOV-11	FMS10-04-D	51.2 ±4.92	0.5 ±0.05	
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4846203	DRNT	04-AUG-11	17-NOV-11	* - LESS THAN INDICATED VALUE HMC09-04-A	* 30.0	* 0.3 ±0.04	
4846207	DRNT	06-AUG-11	18-NOV-11	BV0143-04-D	44.7 ±4.44	0.4 ±0.04	
4846213	DRNT	04-AUG-11	17-NOV-11	HMC08-04-F	32.0 ±3.43	0.3 ±0.03	
4846223	DRNT	15-AUG-11	18-NOV-11	MA0134-03-A	63.9 ±5.78	0.7 ±0.06	
4846224	DRNT	04-AUG-11	17-NOV-11	FMS10-04-C	38.4 ±3.96	0.4 ±0.04	
4846225	DRNT	15-AUG-11	18-NOV-11	* - LESS THAN INDICATED VALUE MA0134-04-D	* 30.0	* 0.3 ±0.22	
4846228	DRNT	04-AUG-11	17-NOV-11	FMS07-04-A	53.0 ±5.05	0.5 ±0.05	
4846232	DRNT	10-AUG-11	18-NOV-11	VV0013-04-A	319.2 ±16.0	3.2 ±0.16	
4846238	DRNT	10-AUG-11	16-NOV-11	PV0029-02-D	48.4 ±4.73	0.5 ±0.05	
4846243	DRNT	15-AUG-11	16-NOV-11	PV0030-04-D	46.6 ±4.59	0.5 ±0.05	
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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846247	DRNT	15-AUG-11	16-NOV-11	PV0030-04-E	31.1 ±3.35	0.3 ±0.04	
4846257	DRNT	04-AUG-11	17-NOV-11	FMS07-04-D	52.1 ±4.99	0.5 ±0.05	
4846282	DRNT	10-AUG-11	18-NOV-11	VV0001-04-D	33.7 ±3.57	0.3 ±0.04	
4846292	DRNT	10-AUG-11	16-NOV-11	PV0029-02-A	376.5 ±17.6	3.8 ±0.18	
4846297	DRNT	12-AUG-11	18-NOV-11	* - LESS THAN INDICATED VALUE FA0053-04-D	* 30.0	* 0.3 ±0.03	
4846299	DRNT	12-AUG-11	18-NOV-11	BV0122-04-A	289.4 ±15.1	3.0 ±0.15	
4846311	DRNT	13-AUG-11	16-NOV-11	BV0139-03-A	44.8 ±4.45	0.5 ±0.05	
4846323	DRNT	13-AUG-11	18-NOV-11	PV0006-04-D	43.7 ±4.37	0.5 ±0.05	
4846333	DRNT	10-AUG-11	18-NOV-11	* - LESS THAN INDICATED VALUE VV0013-04-D	* 30.0	* 0.3 ±0.03	
4846335	DRNT	13-AUG-11	18-NOV-11	FA0087-04-E	74.9 ±6.47	0.8 ±0.07	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
KJT	A22336	01-DEC-11	22-NOV-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846342	DRNT	13-AUG-11	18-NOV-11	FA0087-04-A	63.0 ±5.72	0.6 ±0.06	
4846350	DRNT	04-AUG-11	17-NOV-11	FMS11-04-D	64.9 ±5.85	0.6 ±0.06	
4846354	DRNT	13-AUG-11	18-NOV-11	* - LESS THAN INDICATED VALUE FA0087-04-D	* 30.0	* 0.3 ±0.03	
4846356	DRNT	13-AUG-11	18-NOV-11	PV0006-04-A	136.4 ±9.6	1.4 ±0.10	
1	2	3	4	5	6	7	8

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Q.C. Release	Process No.	Report Date	Date Received
KJT	A22336	01-DEC-11	22-NOV-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
KANSAS CITY, MO 64106

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783341	DRNT	16-SEP-10	19-NOV-11	MA0099-01-B	1295.7 ±36.3	3.0 ±0.08	
4783343	DRNT	16-SEP-10	19-NOV-11	MA0024-01-B	592.3 ±23.3	1.4 ±0.05	
4783378	DRNT	15-SEP-10	21-NOV-11	PV0009-01-B	1245.6 ±35.5	2.9 ±0.08	
4783397	DRNT	16-SEP-10	21-NOV-11	BV0119-01-B	237.2 ±13.3	0.6 ±0.03	
4783399	DRNT	16-SEP-10	18-NOV-11	VV0182-01-B	466.9 ±20.2	1.1 ±0.05	
4783403	DRNT	15-SEP-10	21-NOV-11	BV0071-01-B	345.7 ±16.9	0.8 ±0.04	
4795056	DRNT	14-SEP-10	21-NOV-11	MA0048-01-B	1079.5 ±33.0	2.5 ±0.08	
4795073	DRNT	15-SEP-10	21-NOV-11	MA0049-01-B	1214.6 ±35.1	2.8 ±0.08	
4795129	DRNT	14-SEP-10	21-NOV-11	MA0097-01-B	596.2 ±24.1	1.4 ±0.06	
4795134	DRNT	15-SEP-10	21-NOV-11	BV0150-01-B	327.7 ±17.5	0.8 ±0.04	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
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LMR	A22337	01-DEC-11	23-NOV-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
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Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4795151	DRNT	14-SEP-10	19-NOV-11	MA0100-01-B	833.5 ±28.8	1.9 ±0.07	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS AS RECEIVED BY LANDAUER.

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LMR	A22337	01-DEC-11	23-NOV-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4788164	DRNF	20-OCT-10	21-NOV-11	VV0017-01-B	1329.8 ±36.0	3.3 ±0.09	
4832852	DRNT	20-AUG-11	21-NOV-11	PV0009-03-D	90.7 ±6.92	1.0 ±0.07	
4832856	DRNT	05-AUG-11	19-NOV-11	MA0100-04-A	234.7 ±13.0	2.2 ±0.12	
4832867	DRNT	14-SEP-10	21-NOV-11	MA0048-04-D	42.8 ±3.90	0.1 ±0.01	
4832883	DRNT	03-AUG-11	21-NOV-11	MA0048-04-A	248.8 ±13.5	2.3 ±0.12	
4832891	DRNT	03-AUG-11	21-NOV-11	MA0049-04-A	218.9 ±12.4	2.0 ±0.11	
4832898	DRNT	03-AUG-11	21-NOV-11	MA0049-04-D	44.6 ±4.04	0.4 ±0.04	
4846068	DRNT	09-AUG-11	21-NOV-11	BV0119-04-A	72.9 ±6.35	0.7 ±0.06	
4846139	DRNT	05-AUG-11	19-NOV-11	MA0100-04-D	57.3 ±5.35	0.5 ±0.05	
4846188	DRNT	15-AUG-11	21-NOV-11	VV0017-04-D	49.1 ±4.77	0.5 ±0.05	
1	2	3	4	5	6	7	8

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LMR	A22337	01-DEC-11	23-NOV-11

Radon Monitoring Report

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825 E. SANTA FE AVENUE
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Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846192	DRNT	12-AUG-11	19-NOV-11	MA0099-04-E	63.8 ±5.77	0.6 ±0.06	
4846193	DRNT	16-AUG-11	21-NOV-11	BV0071-04-D	78.4 ±6.67	0.8 ±0.07	
4846206	DRNT	17-AUG-11	21-NOV-11	MA0097-04-E	47.3 ±4.64	0.5 ±0.05	
4846212	DRNT	15-AUG-11	21-NOV-11	VV0017-04-A	313.5 ±15.8	3.2 ±0.16	
4846239	DRNT	17-AUG-11	21-NOV-11	MA0097-04-A	164.0 ±10.8	1.7 ±0.11	
4846245	DRNT	17-AUG-11	21-NOV-11	MA0097-04-C	164.9 ±10.8	1.7 ±0.11	
4846252	DRNT	12-AUG-11	19-NOV-11	MA0099-04-D	63.8 ±5.77	0.6 ±0.06	
4846255	DRNT	17-AUG-11	21-NOV-11	* - LESS THAN INDICATED VALUE MA0097-04-D	* 30.0	* 0.3 ±0.04	
4846263	DRNT	09-AUG-11	21-NOV-11	BV0119-04-E	70.2 ±6.18	0.7 ±0.06	
4846272	DRNT	09-AUG-11	21-NOV-11	BV0119-04-D	53.7 ±5.10	0.5 ±0.05	
1	2	3	4	5	6	7	8

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Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
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Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846279	DRNT	09-AUG-11	19-NOV-11	VV0182-04-A	136.3 ±9.6	1.3 ±0.09	
4846286	DRNT	12-AUG-11	21-NOV-11	BV0150-04-A	59.2 ±5.47	0.6 ±0.05	
4846289	DRNT	16-AUG-11	21-NOV-11	BV0071-04-C	109.6 ±8.4	1.1 ±0.09	
4846310	DRNT	20-AUG-11	21-NOV-11	PV0009-03-A	296.7 ±15.3	3.2 ±0.16	
4846317	DRNT	16-AUG-11	21-NOV-11	BV0071-04-A	90.3 ±7.35	0.9 ±0.08	
4846319	DRNT	12-AUG-11	21-NOV-11	BV0150-04-D	58.3 ±5.41	0.6 ±0.05	
4846320	DRNT	09-AUG-11	19-NOV-11	VV0182-03-D	54.6 ±5.16	0.5 ±0.05	
4846347	DRNT	13-AUG-11	19-NOV-11	MA0024-04-D	50.9 ±4.90	0.5 ±0.05	
4846352	DRNT	13-AUG-11	19-NOV-11	MA0024-04-A	124.3 ±9.1	1.3 ±0.09	
4846359	DRNT	12-AUG-11	19-NOV-11	MA0099-04-A	263.2 ±14.3	2.7 ±0.14	
1	2	3	4	5	6	7	8

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LMR	A22337	01-DEC-11	23-NOV-11

Radon Monitoring Report

ARMY CORP OF ENGINEERS
ATTN: JOUGH DONAKOWSKI
601 E. 12TH STREET
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LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0409761

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4783323	DRNT	08-OCT-10	28-NOV-11	BW0006-01-B	674.8 ±25.1	1.6 ±0.06	
4783361	DRNT	05-OCT-10	28-NOV-11	BW0011-01-C	173.3 ±10.7	0.4 ±0.03	
4783436	DRNT	06-OCT-10	28-NOV-11	BW0004-01-B	885.0 ±29.3	2.1 ±0.07	
4783468	DRN	16-SEP-10	23-NOV-11	BV0110-01-B	315.8 ±15.9	0.7 ±0.04	
4787461	DRNM	05-OCT-10	28-NOV-11	BW0011-01-B	209.9 ±12.4	0.5 ±0.03	
4787475	DRNM	04-OCT-10	28-NOV-11	BW0001-01-B	420.0 ±18.9	1.0 ±0.04	
4795117	DRNT	14-SEP-10	23-NOV-11	MA0025-01-B	1102.0 ±33.4	2.5 ±0.08	
4795132	DRNT	14-SEP-10	23-NOV-11	FA0052-01-B	502.2 ±22.0	1.2 ±0.05	
4795146	DRNT	14-AUG-10	23-NOV-11	MA0025-01-C	1291.3 ±36.3	2.8 ±0.08	
4823085	DRNT	13-JAN-11	23-NOV-11	PV0044-01-B	268.7 ±13.3	0.9 ±0.04	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
KJT	A22340	06-DEC-11	30-NOV-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782925	DRNT	22-OCT-10	28-NOV-11	BV0117-01-B	291.6 ±15.0	0.7 ±0.04	
4788162	DRNF	12-OCT-10	23-NOV-11	BV0066-01-B	983.0 ±30.5	2.4 ±0.07	
4832933	DRNT	19-AUG-11	23-NOV-11	* - LESS THAN INDICATED VALUE MA0025-04-D	* 30.0	* 0.3 ±0.03	
4846108	DRNT	06-AUG-11	23-NOV-11	BV0110-03-A	63.8 ±5.76	0.6 ±0.05	
4846126	DRNT	19-AUG-11	23-NOV-11	MA0025-04-A	228.9 ±13.2	2.4 ±0.14	
4846140	DRNT	13-AUG-11	28-NOV-11	BW0005-04-A	58.3 ±5.39	0.5 ±0.05	
4846152	DRNT	15-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0011-03-D	* 30.0	* 0.3 ±0.04	
4846161	DRNT	15-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0006-04-D	* 30.0	* 0.3 ±0.04	
4846164	DRNT	06-AUG-11	23-NOV-11	BV0110-04-D	67.5 ±5.99	0.6 ±0.05	
4846199	DRNT	15-AUG-11	23-NOV-11	BV0066-03-A	244.6 ±13.7	2.4 ±0.14	
1	2	3	4	5	6	7	8

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KJT	A22340	08-DEC-11	30-NOV-11

Radon Monitoring Report

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Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846204	DRNT	10-AUG-11	28-NOV-11	BV0117-04-D	62.9 ±5.70	0.6 ±0.05	
4846209	DRNT	11-AUG-11	28-NOV-11	BW0001-04-A	144.7 ±10.0	1.3 ±0.09	
4846216	DRNT	11-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0004-04-D	* 30.0	* 0.3 ±0.04	
4846217	DRNT	13-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0005-04-D	* 30.0	* 0.3 ±0.03	
4846220	DRNT	10-AUG-11	28-NOV-11	BV0117-03-A	77.6 ±6.60	0.7 ±0.06	
4846226	DRNT	15-AUG-11	23-NOV-11	BV0066-04-D	52.8 ±5.02	0.5 ±0.05	
4846249	DRNT	10-AUG-11	23-NOV-11	PV0044-04-E	57.4 ±5.33	0.5 ±0.05	
4846254	DRNT	11-AUG-11	28-NOV-11	BW0004-03-A	235.4 ±13.4	2.2 ±0.12	
4846259	DRNT	10-AUG-11	23-NOV-11	PV0044-04-A	106.0 ±8.2	1.0 ±0.08	
4846273	DRNT	11-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0001-04-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846281	DRNT	13-AUG-11	23-NOV-11	FA0052-04-F	34.6 ±3.62	0.3 ±0.04	
4846283	DRNT	15-AUG-11	28-NOV-11	BW0011-04-A	48.3 ±4.69	0.5 ±0.04	
4846287	DRNT	15-AUG-11	23-NOV-11	BV0066-03-C	174.2 ±11.2	1.7 ±0.11	
4846298	DRNT	13-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0005-04-E	* 30.0	* 0.3 ±0.03	
4846307	DRNT	13-AUG-11	23-NOV-11	FA0052-04-A	129.9 ±9.3	1.3 ±0.09	
4846309	DRNT	10-AUG-11	23-NOV-11	PV0044-04-D	46.4 ±4.55	0.4 ±0.04	
4846316	DRNT	15-AUG-11	28-NOV-11	BW0006-04-A	173.3 ±11.1	1.7 ±0.11	
4846325	DRNT	13-AUG-11	23-NOV-11	FA0052-04-D	58.0 ±6.61	0.6 ±0.06	
1	2	3	4	5	6	7	8

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Radon Monitoring Report

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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782925	DRNT	22-OCT-10	28-NOV-11	BV0117-01-B	291.6 ±15.0	0.7 ±0.04	
4788162	DRNF	12-OCT-10	23-NOV-11	BV0066-01-B	983.0 ±30.5	2.4 ±0.07	
4832933	DRNT	19-AUG-11	23-NOV-11	* - LESS THAN INDICATED VALUE MA0025-04-A	* 30.0	* 0.3 ±0.03	
4846108	DRNT	06-AUG-11	23-NOV-11	BV0110-03-A	63.8 ±5.76	0.6 ±0.05	
4846126	DRNT	19-AUG-11	23-NOV-11	MA0025-04-A	228.9 ±13.2	2.4 ±0.14	
4846140	DRNT	13-AUG-11	28-NOV-11	BW0005-04-A	58.3 ±5.39	0.5 ±0.05	
4846152	DRNT	15-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0011-03-D	* 30.0	* 0.3 ±0.04	
4846161	DRNT	15-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0006-04-D	* 30.0	* 0.3 ±0.04	
4846164	DRNT	06-AUG-11	23-NOV-11	BV0110-04-D	67.5 ±5.99	0.6 ±0.05	
4846199	DRNT	15-AUG-11	23-NOV-11	BV0066-03-A	244.6 ±13.7	2.4 ±0.14	
1	2	3	4	5	6	7	8

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Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846204	DRNT	10-AUG-11	28-NOV-11	BV0117-04-D	62.9 ±5.70	0.6 ±0.05	
4846209	DRNT	11-AUG-11	28-NOV-11	BW0001-04-A	144.7 ±10.0	1.3 ±0.09	
4846216	DRNT	11-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0004-04-D	* 30.0	* 0.3 ±0.04	
4846217	DRNT	13-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0005-04-D	* 30.0	* 0.3 ±0.03	
4846220	DRNT	10-AUG-11	28-NOV-11	BV0117-03-A	77.6 ±6.60	0.7 ±0.06	
4846226	DRNT	15-AUG-11	23-NOV-11	BV0066-04-D	52.8 ±5.02	0.5 ±0.05	
4846249	DRNT	10-AUG-11	23-NOV-11	PV0044-04-E	57.4 ±5.33	0.5 ±0.05	
4846254	DRNT	11-AUG-11	28-NOV-11	BW0004-03-A	235.4 ±13.4	2.2 ±0.12	
4846259	DRNT	10-AUG-11	23-NOV-11	PV0044-04-A	106.0 ±8.2	1.0 ±0.08	
4846273	DRNT	11-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0001-04-D	* 30.0	* 0.3 ±0.03	
①	②	③	④		⑤	⑥	⑦ ⑧

RESULTS RELATED ONLY TO MONITORS
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Q.C. Release	Process No.	Report Date	Date Received
KJT	A22340	08-DEC-11	30-NOV-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846281	DRNT	13-AUG-11	23-NOV-11	FA0052-04-F	34.6 ±3.62	0.3 ±0.04	
4846283	DRNT	15-AUG-11	28-NOV-11	BW0011-04-A	48.3 ±4.69	0.5 ±0.04	
4846287	DRNT	15-AUG-11	23-NOV-11	BV0066-03-C	174.2 ±11.2	1.7 ±0.11	
4846298	DRNT	13-AUG-11	28-NOV-11	* - LESS THAN INDICATED VALUE BW0005-04-E	* 30.0	* 0.3 ±0.03	
4846307	DRNT	13-AUG-11	23-NOV-11	FA0052-04-A	129.9 ±9.3	1.3 ±0.09	
4846309	DRNT	10-AUG-11	23-NOV-11	PV0044-04-A	46.4 ±4.55	0.4 ±0.04	
4846316	DRNT	15-AUG-11	28-NOV-11	BW0006-04-A	173.3 ±11.1	1.7 ±0.11	
4846325	DRNT	13-AUG-11	23-NOV-11	FA0052-04-D	58.0 ±6.61	0.6 ±0.06	
1	2	3	4	5	6	7	8

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KJT	A22340	08-DEC-11	30-NOV-11

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782964	DRNT	23-OCT-10	03-DEC-11	PV0130-01-B	1764.2 ±42.4	4.3 ±0.10	
4782968	DRNT	23-OCT-10	03-DEC-11	BW0018-01-B	675.1 ±24.8	1.7 ±0.06	
4788166	DRNF	21-OCT-10	01-DEC-11	BW0017-01-B	358.1 ±17.0	0.9 ±0.04	
4788176	DRNF	18-OCT-10	29-NOV-11	BW0008-01-B	29528.4 ±576.8	72.6 ±1.42	
4788203	DRNF	11-OCT-10	01-DEC-11	BW0030-01-B	458.0 ±19.7	1.1 ±0.05	
4788212	DRNF	11-OCT-10	01-DEC-11	BW0028-01-B	544.0 ±21.8	1.3 ±0.05	
4788214	DRNF	11-OCT-10	30-NOV-11	BW0009-01-B	221.2 ±12.6	0.5 ±0.03	
4831431	DRN	09-AUG-11	03-DEC-11	PV0130-D-NTH PV0130-04-D-NTH	119.5 ±8.3	1.0 ±0.07	
4832728	DRNT	25-APR-11	29-NOV-11	BW0020-03-C	207.9 ±12.0	1.0 ±0.05	
4832811	DRNT	20-AUG-11	29-NOV-11	* - LESS THAN INDICATED VALUE BW0025-04-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Q.C. Release	Process No.	Report Date	Date Received
LMR	A22349	16-DEC-11	08-DEC-11

Radon Monitoring Report

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Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832813	DRNT	20-AUG-11	29-NOV-11	BW0025-04-B	128.0 ±8.7	1.3 ±0.09	
4832834	DRNT	16-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0024-04-C	* 30.0	* 0.3 ±0.03	
4832843	DRNT	16-AUG-11	01-DEC-11	BW0024-04-A	40.2 ±3.67	0.4 ±0.03	
4832854	DRNT	20-AUG-11	29-NOV-11	BW0025-04-A	146.5 ±9.6	1.5 ±0.09	
4832870	DRNT	20-AUG-11	03-DEC-11	BW0018-03-D	32.0 ±3.03	0.3 ±0.03	
4832881	DRNT	16-AUG-11	30-NOV-11	BW0009-03-A	44.8 ±4.01	0.4 ±0.04	
4832931	DRNT	07-MAY-11	30-NOV-11	BW0015-02-B	100.2 ±7.4	0.5 ±0.04	
4832939	DRNT	13-JUN-11	03-DEC-11	PV0130-03-A	533.7 ±21.0	3.1 ±0.12	
4833017	DRNT	18-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0032-04-E	* 30.0	* 0.3 ±0.03	
4834213	DRNP	13-JUN-11	03-DEC-11	PV0130-03-A-NTH	571.1 ±21.4	3.3 ±0.12	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846258	DRNT	15-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0016-04-D	* 30.0	* 0.3 ±0.03	
4846260	DRNT	09-AUG-11	03-DEC-11	PV0130-04-D	64.7 ±5.86	0.6 ±0.05	
4846264	DRNT	16-AUG-11	01-DEC-11	BW0013-04-A	368.8 ±17.4	3.4 ±0.16	
4846266	DRNT	20-AUG-11	03-DEC-11	BW0018-03-A	229.7 ±13.2	2.2 ±0.13	
4846268	DRNT	11-AUG-11	30-NOV-11	BW0003-04-D	31.8 ±3.43	0.3 ±0.03	
4846269	DRNT	11-AUG-11	29-NOV-11	MONITOR RETURNED DAMAGED BW0007-04-D			
4846276	DRNT	12-AUG-11	30-NOV-11	* - LESS THAN INDICATED VALUE BW0002-04-D	* 30.0	* 0.3 ±0.03	
4846280	DRNT	16-AUG-11	01-DEC-11	BW0013-04-C	380.0 ±17.7	3.6 ±0.17	
4846284	DRNT	11-AUG-11	29-NOV-11	BW0019-04-A	111.5 ±8.5	1.0 ±0.08	
4846285	DRNT	16-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0030-04-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846337	DRNT	11-AUG-11	29-NOV-11	* - LESS THAN INDICATED VALUE BW0019-04-E	* 30.0	* 0.3 ±0.03	
4846338	DRNT	11-AUG-11	30-NOV-11	BW0003-04-A	153.9 ±10.4	1.4 ±0.09	
4846340	DRNT	12-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0028-03-E	* 30.0	* 0.3 ±0.04	
4846346	DRNT	16-AUG-11	01-DEC-11	BW0017-04-A	74.8 ±6.48	0.7 ±0.06	
4846351	DRNT	13-AUG-11	30-NOV-11	BW0012-04-A	163.1 ±10.8	1.5 ±0.10	
4846355	DRNT	11-AUG-11	29-NOV-11	* - LESS THAN INDICATED VALUE BW0020-04-D	* 30.0	* 0.3 ±0.03	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4782964	DRNT	23-OCT-10	03-DEC-11	PV0130-01-B	1764.2 ±42.4	4.3 ±0.10	
4782968	DRNT	23-OCT-10	03-DEC-11	BW0018-01-B	675.1 ±24.8	1.7 ±0.06	
4788166	DRNF	21-OCT-10	01-DEC-11	BW0017-01-B	358.1 ±17.0	0.9 ±0.04	
4788176	DRNF	18-OCT-10	29-NOV-11	BW0008-01-B	29528.4 ±576.8	72.6 ±1.42	
4788203	DRNF	11-OCT-10	01-DEC-11	BW0030-01-B	458.0 ±19.7	1.1 ±0.05	
4788212	DRNF	11-OCT-10	01-DEC-11	BW0028-01-B	544.0 ±21.8	1.3 ±0.05	
4788214	DRNF	11-OCT-10	30-NOV-11	BW0009-01-B	221.2 ±12.6	0.5 ±0.03	
4831431	DRN	09-AUG-11	03-DEC-11	PV0130-04-D-NTH	119.5 ±8.3	1.0 ±0.07	
4832728	DRNT	25-APR-11	29-NOV-11	BW0020-03-C	207.9 ±12.0	1.0 ±0.05	
4832811	DRNT	20-AUG-11	29-NOV-11	* - LESS THAN INDICATED VALUE BW0025-04-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4832813	DRNT	20-AUG-11	29-NOV-11	BW0025-04-B	128.0 ±8.7	1.3 ±0.09	
4832834	DRNT	16-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0024-04-C	* 30.0	* 0.3 ±0.03	
4832843	DRNT	16-AUG-11	01-DEC-11	BW0024-04-A	40.2 ±3.67	0.4 ±0.03	
4832854	DRNT	20-AUG-11	29-NOV-11	BW0025-04-A	146.5 ±9.6	1.5 ±0.09	
4832870	DRNT	20-AUG-11	03-DEC-11	BW0018-03-D	32.0 ±3.03	0.3 ±0.03	
4832881	DRNT	16-AUG-11	30-NOV-11	BW0009-03-A	44.8 ±4.01	0.4 ±0.04	
4832931	DRNT	07-MAY-11	30-NOV-11	BW0015-02-B	100.2 ±7.4	0.5 ±0.04	
4832939	DRNT	13-JUN-11	03-DEC-11	PV0130-03-A	533.7 ±21.0	3.1 ±0.12	
4833017	DRNT	18-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0032-04-E	* 30.0	* 0.3 ±0.03	
4834213	DRNP	13-JUN-11	03-DEC-11	PV0130-03-A-NTH	571.1 ±21.4	3.3 ±0.12	
1	2	3	4	5	6	7	8

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Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846048	DRNT	16-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0013-04-D	* 30.0	* 0.3 ±0.03	
4846066	DRNT	16-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0024-04-D	* 30.0	* 0.3 ±0.03	
4846100	DRNT	11-AUG-11	29-NOV-11	BW0008-04-A	164.9 ±10.9	1.5 ±0.10	
4846114	DRNT	11-AUG-11	29-NOV-11	BW0019-04-D	36.3 ±3.81	0.3 ±0.03	
4846119	DRNT	11-AUG-11	30-NOV-11	* - LESS THAN INDICATED VALUE BW0015-04-D	* 30.0	* 0.3 ±0.03	
4846131	DRNT	12-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0028-03-D	* 30.0	* 0.3 ±0.03	
4846170	DRNT	15-AUG-11	03-DEC-11	BW0031-04-A	1529.3 ±37.8	13.9 ±0.34	
4846178	DRNT	12-AUG-11	29-NOV-11	BW0022-04-A	36.3 ±3.81	0.3 ±0.03	
4846184	DRNT	16-AUG-11	01-DEC-11	BW0017-04-D	38.2 ±3.96	0.4 ±0.04	
4846189	DRNT	11-AUG-11	30-NOV-11	* - LESS THAN INDICATED VALUE BW0014-04-D	* 30.0	* 0.3 ±0.04	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846190	DRNT	15-AUG-11	02-DEC-11	BW0026-04-A	431.8 ±19.0	4.0 ±0.17	
4846194	DRNT	12-AUG-11	29-NOV-11	* - LESS THAN INDICATED VALUE BW0029-04-D	* 30.0	* 0.3 ±0.03	
4846195	DRNT	15-AUG-11	02-DEC-11	BW0026-04-C	476.2 ±20.1	4.4 ±0.18	
4846200	DRNT	11-AUG-11	29-NOV-11	BW0008-04-D	40.0 ±4.10	0.4 ±0.04	
4846210	DRNT	18-AUG-11	01-DEC-11	BW0032-04-C	154.8 ±10.4	1.5 ±0.10	
4846215	DRNT	18-AUG-11	01-DEC-11	BW0032-04-A	142.8 ±9.9	1.4 ±0.09	
4846218	DRNT	16-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0013-04-E	* 30.0	* 0.3 ±0.04	
4846219	DRNT	15-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0016-04-E	* 30.0	* 0.3 ±0.03	
4846227	DRNT	18-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0032-04-D	* 30.0	* 0.3 ±0.04	
4846229	DRNT	12-AUG-11	29-NOV-11	* - LESS THAN INDICATED VALUE BW0029-04-E	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846231	DRNT	11-AUG-11	30-NOV-11	BW0014-04-A	51.0 ±4.93	0.5 ±0.04	
4846234	DRNT	16-AUG-11	01-DEC-11	BW0030-04-A	99.5 ±7.87	0.9 ±0.07	
4846236	DRNT	15-AUG-11	03-DEC-11	* - LESS THAN INDICATED VALUE BW0031-04-E	* 30.0	* 0.3 ±0.04	
4846240	DRNT	15-AUG-11	02-DEC-11	* - LESS THAN INDICATED VALUE BW0026-04-D	* 30.0	* 0.3 ±0.04	
4846241	DRNT	15-AUG-11	03-DEC-11	* - LESS THAN INDICATED VALUE BW0031-04-D	* 30.0	* 0.3 ±0.04	
4846246	DRNT	16-AUG-11	30-NOV-11	BW0009-03-D	33.6 ±3.58	0.3 ±0.03	
4846250	DRNT	13-AUG-11	30-NOV-11	BW0012-04-D	30.9 ±3.35	0.3 ±0.03	
4846251	DRNT	16-AUG-11	01-DEC-11	BW0017-04-E	44.6 ±4.46	0.4 ±0.04	
4846253	DRNT	16-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0030-04-E	* 30.0	* 0.3 ±0.04	
4846256	DRNT	16-AUG-11	01-DEC-11	BW0030-04-C	128.1 ±9.3	1.2 ±0.09	
1	2	3	4	5	6	7	8

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846258	DRNT	15-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0016-04-D	* 30.0	* 0.3 ±0.03	
4846260	DRNT	09-AUG-11	03-DEC-11	PV0130-04-D	64.7 ±5.86	0.6 ±0.05	
4846264	DRNT	16-AUG-11	01-DEC-11	BW0013-04-A	368.8 ±17.4	3.4 ±0.16	
4846266	DRNT	20-AUG-11	03-DEC-11	BW0018-03-A	229.7 ±13.2	2.2 ±0.13	
4846268	DRNT	11-AUG-11	30-NOV-11	BW0003-04-D	31.8 ±3.43	0.3 ±0.03	
4846269	DRNT	11-AUG-11	29-NOV-11	MONITOR RETURNED DAMAGED BW0007-04-D			
4846276	DRNT	12-AUG-11	30-NOV-11	* - LESS THAN INDICATED VALUE BW0002-04-D	* 30.0	* 0.3 ±0.03	
4846280	DRNT	16-AUG-11	01-DEC-11	BW0013-04-C	380.0 ±17.7	3.6 ±0.17	
4846284	DRNT	11-AUG-11	29-NOV-11	BW0019-04-A	111.5 ±8.5	1.0 ±0.08	
4846285	DRNT	16-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0030-04-D	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

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Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846290	DRNT	16-AUG-11	01-DEC-11	BW0017-04-C	66.5 ±5.97	0.6 ±0.06	
4846300	DRNT	11-AUG-11	29-NOV-11	BW0020-04-A	95.0 ±7.63	0.9 ±0.07	
4846303	DRNT	12-AUG-11	30-NOV-11	* - LESS THAN INDICATED VALUE BW0022-04-D	* 30.0	* 0.3 ±0.03	
4846305	DRNT	12-AUG-11	01-DEC-11	BW0028-03-A	154.8 ±10.4	1.4 ±0.09	
4846308	DRNT	16-AUG-11	01-DEC-11	BW0024-04-E	31.8 ±3.43	0.3 ±0.03	
4846312	DRNT	12-AUG-11	30-NOV-11	BW0002-04-A	38.2 ±3.96	0.3 ±0.04	
4846313	DRNT	15-AUG-11	01-DEC-11	BW0016-04-A	319.1 ±16.0	3.0 ±0.15	
4846314	DRNT	11-AUG-11	30-NOV-11	BW0015-04-A	122.5 ±9.0	1.1 ±0.08	
4846324	DRNT	11-AUG-11	29-NOV-11	BW0007-04-A	43.6 ±4.39	0.4 ±0.04	
4846336	DRNT	11-AUG-11	30-NOV-11	* - LESS THAN INDICATED VALUE BW0003-04-E	* 30.0	* 0.3 ±0.03	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22349	03-JAN-12	08-DEC-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

*** CORRECTED REPORT ***

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846337	DRNT	11-AUG-11	29-NOV-11	* - LESS THAN INDICATED VALUE BW0019-04-E	* 30.0	* 0.3 ±0.03	
4846338	DRNT	11-AUG-11	30-NOV-11	BW0003-04-A	153.9 ±10.4	1.4 ±0.09	
4846340	DRNT	12-AUG-11	01-DEC-11	* - LESS THAN INDICATED VALUE BW0028-03-E	* 30.0	* 0.3 ±0.04	
4846346	DRNT	16-AUG-11	01-DEC-11	BW0017-04-A	74.8 ±6.48	0.7 ±0.06	
4846351	DRNT	13-AUG-11	30-NOV-11	BW0012-04-A	163.1 ±10.8	1.5 ±0.10	
4846355	DRNT	11-AUG-11	29-NOV-11	* - LESS THAN INDICATED VALUE BW0020-04-D	* 30.0	* 0.3 ±0.03	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22349	03-JAN-12	08-DEC-11

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4831384	DRN	29-NOV-11	13-MAR-12	BW0019-05-A-NTH	163.0 ±10.0	1.6 ±0.09	
4831406	DRN	29-NOV-11	13-MAR-12	BW0008-05-A-NTH	133.7 ±8.7	1.3 ±0.08	
4831408	DRN	29-NOV-11	13-MAR-12	BW0025-05-A-NTH	274.9 ±13.9	2.6 ±0.13	
4831425	DRN	28-JAN-11	13-MAR-12	BW0001-05-A-NTH	189.5 ±11.0	0.5 ±0.03	
4831430	DRN	27-NOV-11	13-MAR-12	BW0007-05-C-NTH	42.9 ±3.69	0.4 ±0.03	
4832938	DRNT	29-NOV-11	13-MAR-12	* - LESS THAN INDICATED VALUE BW0008-05-D	* 30.0	* 0.3 ±0.03	
4837059	DRN	29-NOV-11	13-MAR-12	BW0025-05-E-NTH	45.8 ±4.41	0.4 ±0.04	
4837074	DRN	30-NOV-11	13-MAR-12	BW0014-05-A-NTH	83.1 ±6.81	0.8 ±0.07	
4837077	DRN	29-NOV-11	13-MAR-12	BW0019-05-D-NTH	38.5 ±3.85	0.4 ±0.04	
4837080	DRN	29-NOV-11	13-MAR-12	BW0025-05-D-NTH	45.8 ±4.41	0.4 ±0.04	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22417	22-MAR-12	16-MAR-12

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4837082	DRN	28-NOV-11	13-MAR-12	BW0006-05-D-NTH	37.6 ±3.78	0.4 ±0.04	
4837085	DRN	30-NOV-11	13-MAR-12	* - LESS THAN INDICATED VALUE BW0014-05-D-NTH	* 30.0	* 0.3 ±0.03	
4837094	DRN	30-NOV-11	13-MAR-12	BW0022-05-D-NTH	54.9 ±5.05	0.5 ±0.05	
4837099	DRN	29-NOV-11	13-MAR-12	BW0007-05-D-NTH	67.6 ±5.89	0.6 ±0.06	
4837138	DRN	29-NOV-11	13-MAR-12	BW0007-05-A-NTH	85.0 ±6.91	0.8 ±0.07	
4837142	DRN	30-NOV-11	13-MAR-12	BW0022-05-A-NTH	78.6 ±6.55	0.8 ±0.06	
4837146	DRN	28-NOV-11	13-MAR-12	BW0001-05-D-NTH	37.6 ±3.78	0.4 ±0.04	
4837174	DRN	29-NOV-11	13-MAR-12	BW0008-05-D-NTH	51.2 ±4.80	0.5 ±0.05	
4837186	DRN	28-NOV-11	13-MAR-12	BW0005-05-D-NTH	39.4 ±3.92	0.4 ±0.04	
4837212	DRN	28-NOV-11	13-MAR-12	BW0006-05-A-NTH	226.2 ±13.0	2.1 ±0.12	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22417	22-MAR-12	16-MAR-12

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4837232	DRN	28-NOV-11	13-MAR-12	BW0005-05-A-NTH	107.8 ±8.1	1.0 ±0.08	
4837261	DRN	30-NOV-11	14-MAR-12	BW0002-05-D-NTH	40.3 ±3.99	0.4 ±0.04	
4837267	DRN	30-NOV-11	14-MAR-12	BW0002-05-A-NTH	59.4 ±5.36	0.6 ±0.05	
4846003	DRNT	28-NOV-11	13-MAR-12	BW0005-05-D	30.1 ±3.12	0.3 ±0.03	
4846006	DRNT	29-NOV-11	13-MAR-12	* - LESS THAN INDICATED VALUE BW0025-05-D	* 30.0	* 0.3 ±0.03	
4846033	DRNT	30-NOV-11	14-MAR-12	BW0002-05-A	31.9 ±3.28	0.3 ±0.03	
4846040	DRNT	28-NOV-11	13-MAR-12	BW0006-05-A	197.5 ±11.9	1.9 ±0.11	
4846096	DRNT	29-NOV-11	13-MAR-12	BW0025-05-A	252.2 ±13.8	2.4 ±0.13	
4846123	DRNT	28-NOV-11	13-MAR-12	* - LESS THAN INDICATED VALUE BW0001-05-D	* 30.0	* 0.3 ±0.03	
4846145	DRNT	29-NOV-11	13-MAR-12	BW0007-05-E	57.6 ±5.19	0.5 ±0.05	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22417	22-MAR-12	16-MAR-12

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846214	DRNT	30-NOV-11	14-MAR-12	BW0002-05-D	36.5 ±3.65	0.3 ±0.03	
4846233	DRNT	29-NOV-11	13-MAR-12	* - LESS THAN INDICATED VALUE BW0019-05-D	* 30.0	* 0.3 ±0.03	
4846262	DRNT	29-NOV-11	13-MAR-12	BW0007-05-D	49.3 ±4.62	0.5 ±0.04	
4846265	DRNT	29-NOV-11	13-MAR-12	BW0019-05-A	152.2 ±10.1	1.4 ±0.10	
4846271	DRNT	30-NOV-11	13-MAR-12	BW0014-05-A	54.8 ±5.00	0.5 ±0.05	
4846277	DRNT	28-NOV-11	13-MAR-12	BW0005-05-A	94.2 ±7.38	0.9 ±0.07	
4846278	DRNT	28-NOV-11	13-MAR-12	BW0001-05-A	137.4 ±9.5	1.3 ±0.09	
4846288	DRNT	30-NOV-11	13-MAR-12	* - LESS THAN INDICATED VALUE BW0022-05-D	* 30.0	* 0.3 ±0.03	
4846291	DRNT	29-NOV-11	13-MAR-12	* - LESS THAN INDICATED VALUE BW0007-05-A	* 30.0	* 0.3 ±0.03	
4846294	DRNT	29-NOV-11	13-MAR-12	BW0008-05-C	131.0 ±9.2	1.2 ±0.09	
①	②	③	④	⑤	⑥	⑦	⑧

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22417	22-MAR-12	16-MAR-12

Radon Monitoring Report

WESTON SOLUTIONS, INC.
825 E. SANTA FE AVENUE
GRANTS, NM 87020

LANDAUER

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (800) 528-8327 Facsimile: (708) 755-7048

Acct. No. 0410431

Detector Number	Detector Type	Starting Date	Ending Date	Field Data / Comments	Exposure pCi/l-days	Avg. Radon Conc. pCi/l	
4846296	DRNT	28-NOV-11	13-MAR-12	* - LESS THAN INDICATED VALUE BW0006-05-D	* 30.0	* 0.3 ±0.03	
4846334	DRNT	30-NOV-11	13-MAR-12	BW0014-05-D	35.6 ±3.58	0.3 ±0.03	
4846358	DRNT	29-NOV-11	13-MAR-12	BW0008-05-A	119.0 ±8.6	1.1 ±0.08	
4846364	DRNT	30-NOV-11	13-MAR-12	BW0022-05-A	45.7 ±4.35	0.4 ±0.04	
1	2	3	4	5	6	7	8

RESULTS RELATED ONLY TO MONITORS
AS RECEIVED BY LANDAUER.

Q.C. Release	Process No.	Report Date	Date Received
LMR	A22417	22-MAR-12	16-MAR-12

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment

Contact Name: Robert Sherman

Contact Phone: 505-285-5395

No: 1-0005100801-120315-0001

DateShipped: 3/15/2012

Lab: Landauer, Inc.

Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	BW0001-05-A	4846278	Radon	Air	11/28/2011	1:13:00 PM	3/13/2012	8:55:00 AM	1	Alpha Track Detector	None	START
	BW0001-05-A-NTH	4831425	Radon	Air	11/28/2011	1:13:00 PM	3/13/2012	8:55:00 AM	1	Alpha Track Detector	None	START
	BW0001-05-D	4846123	Radon	Air	11/28/2011	1:28:00 PM	3/13/2012	9:05:00 AM	1	Alpha Track Detector	None	START
	BW0001-05-D-NTH	4837146	Radon	Air	11/28/2011	1:28:00 PM	3/13/2012	9:05:00 AM	1	Alpha Track Detector	None	START
	BW0002-05-A	4846033	Radon	Air	11/30/2011	1:09:00 PM	3/14/2012	4:24:00 PM	1	Alpha Track Detector	None	START
	BW0002-05-A-NTH	4837267	Radon	Air	11/30/2011	1:09:00 PM	3/14/2012	4:24:00 PM	1	Alpha Track Detector	None	START
	BW0002-05-D	4846214	Radon	Air	11/30/2011	1:30:00 PM	3/14/2012	4:34:00 PM	1	Alpha Track Detector	None	START
	BW0002-05-D-NTH	4837261	Radon	Air	11/30/2011	1:30:00 PM	3/14/2012	4:34:00 PM	1	Alpha Track Detector	None	START
	BW0005-05-A	4846277	Radon	Air	11/28/2011	2:31:00 PM	3/13/2012	9:26:00 AM	1	Alpha Track Detector	None	START
	BW0005-05-A-NTH	4837232	Radon	Air	11/28/2011	2:31:00 PM	3/13/2012	9:26:00 AM	1	Alpha Track Detector	None	START
	BW0005-05-D	4846003	Radon	Air	11/28/2011	2:53:00 PM	3/13/2012	9:32:00 AM	1	Alpha Track Detector	None	START
	BW0005-05-D-NTH	4837186	Radon	Air	11/28/2011	2:53:00 PM	3/13/2012	9:32:00 AM	1	Alpha Track Detector	None	START
	BW0006-05-A	4846040	Radon	Air	11/28/2011	3:22:00 PM	3/13/2012	12:22:00 PM	1	Alpha Track Detector	None	START
	BW0006-05-A-NTH	4837212	Radon	Air	11/28/2011	3:22:00 PM	3/13/2012	12:22:00 PM	1	Alpha Track Detector	None	START
	BW0006-05-D	4846296	Radon	Air	11/28/2011	3:42:00 PM	3/13/2012	12:30:00 PM	1	Alpha Track Detector	None	START
	BW0006-05-D-NTH	4837082	Radon	Air	11/28/2011	3:42:00 PM	3/13/2012	12:30:00 PM	1	Alpha Track Detector	None	START
	BW0007-05-A	4846291	Radon	Air	11/29/2011	9:58:00 AM	3/13/2012	10:53:00 AM	1	Alpha Track Detector	None	START
	BW0007-05-A-NTH	4837138	Radon	Air	11/29/2011	9:58:00 AM	3/13/2012	10:44:00 AM	1	Alpha Track Detector	None	START
	BW0007-05-C-NTH	4831430	Radon	Air	11/29/2011	9:58:00 AM	3/13/2012	10:53:00 AM	1	Alpha Track Detector	None	START
	BW0007-05-D	4846262	Radon	Air	11/29/2011	10:21:00 AM	3/13/2012	10:44:00 AM	1	Alpha Track Detector	None	START
	BW0007-05-D-NTH	4837099	Radon	Air	11/29/2011	10:21:00 AM	3/13/2012	10:44:00 AM	1	Alpha Track Detector	None	START
	BW0007-05-E	4846145	Radon	Air	11/29/2011	10:21:00 AM	3/13/2012	10:44:00 AM	1	Alpha Track Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
44 radon detectors	Tommy Evans	3/15/12	Connie Dunn	3/19/12							

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Homestake Uranium Assessment

Contact Name: Robert Sherman

Contact Phone: 505-285-5395

No: 1-0005100801-120315-0001

DateShipped: 3/15/2012

Lab: Landauer, Inc.

Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	Sampler
	BW0008-05-A	4846358	Radon	Air	11/29/2011	9:14:00 AM	3/13/2012	9:50:00 AM	1	Alpha Track Detector	None	START
	BW0008-05-A-NTH	4831406	Radon	Air	11/29/2011	9:14:00 AM	3/13/2012	9:50:00 AM	1	Alpha Track Detector	None	START
	BW0008-05-C	4846294	Radon	Air	11/29/2011	9:14:00 AM	3/13/2012	9:50:00 AM	1	Alpha Track Detector	None	START
	BW0008-05-D	4832938	Radon	Air	11/29/2011	9:30:00 AM	3/13/2012	9:59:00 AM	1	Alpha Track Detector	None	START
	BW0008-05-D-NTH	4837174	Radon	Air	11/29/2011	9:30:00 AM	3/13/2012	9:59:00 AM	1	Alpha Track Detector	None	START
	BW0014-05-A	4846271	Radon	Air	11/30/2011	12:00:00 PM	3/13/2012	10:25:00 AM	1	Alpha Track Detector	None	START
	BW0014-05-A-NTH	4837074	Radon	Air	11/30/2011	12:00:00 PM	3/13/2012	10:25:00 AM	1	Alpha Track Detector	None	START
	BW0014-05-D	4846334	Radon	Air	11/30/2011	12:22:00 PM	3/13/2012	10:31:00 AM	1	Alpha Track Detector	None	START
	BW0014-05-D-NTH	4837085	Radon	Air	11/30/2011	12:22:00 PM	3/13/2012	10:31:00 AM	1	Alpha Track Detector	None	START
	BW0019-05-A	4846265	Radon	Air	11/29/2011	1:32:00 PM	3/13/2012	11:56:00 AM	1	Alpha Track Detector	None	START
	BW0019-05-A-NTH	4831384	Radon	Air	11/29/2011	1:32:00 PM	3/13/2012	11:56:00 AM	1	Alpha Track Detector	None	START
	BW0019-05-D	4846233	Radon	Air	11/29/2011	1:56:00 PM	3/13/2012	12:10:00 PM	1	Alpha Track Detector	None	START
	BW0019-05-D-NTH	4837077	Radon	Air	11/29/2011	1:56:00 PM	3/13/2012	12:10:00 PM	1	Alpha Track Detector	None	START
	BW0022-05-A	4846364	Radon	Air	11/30/2011	10:06:00 AM	3/13/2012	1:02:00 PM	1	Alpha Track Detector	None	START
	BW0022-05-A-NTH	4837142	Radon	Air	11/30/2011	10:06:00 AM	3/13/2012	1:02:00 PM	1	Alpha Track Detector	None	START
	BW0022-05-D	4846288	Radon	Air	11/30/2011	10:27:00 AM	3/13/2012	1:10:00 PM	1	Alpha Track Detector	None	START
	BW0022-05-D-NTH	4837094	Radon	Air	11/30/2011	10:27:00 AM	3/13/2012	1:10:00 PM	1	Alpha Track Detector	None	START
	BW0025-05-A	4846096	Radon	Air	11/29/2011	2:24:00 PM	3/13/2012	1:56:00 PM	1	Alpha Track Detector	None	START
	BW0025-05-A-NTH	4831408	Radon	Air	11/29/2011	2:24:00 PM	3/13/2012	1:56:00 PM	1	Alpha Track Detector	None	START
	BW0025-05-D	4846006	Radon	Air	11/29/2011	2:48:00 PM	3/13/2012	2:07:00 PM	1	Alpha Track Detector	None	START
	BW0025-05-D-NTH	4837080	Radon	Air	11/29/2011	2:48:00 PM	3/13/2012	2:07:00 PM	1	Alpha Track Detector	None	START
	BW0025-05-E-NTH	4837059	Radon	Air	11/29/2011	2:48:00 PM	3/13/2012	2:07:00 PM	1	Alpha Track Detector	None	START

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time		Items/Reason	Relinquished By	Date	Received by	Date	Time
4H radon detectors	[illegible]	3/15/12	[illegible]	3/19/12								

PC1203210110

RTCA RADON TESTING CORPORATION OF AMERICA

Site Radon Inspection Report

Date : 3/21/2012

Ms. Susan Thuillard
ENVIRONMENTAL QUALITY MGMT INC.
1800 Carillon Blvd.
Cincinnati, OH 45240-

Client: Sherman
Test Location San Mateo Uranium Assessment

Individual Canister Results

Canister ID# : 2182271
Canister Type : Charcoal Canister 4 inch
Location : SB0039-03-B
Radon Level : 1.6 pCi/L
Error for Measurement is: ± 0.1 pCi/L

Test Start :03/14/2012 @ 13:27
Test Stop :03/20/2012 @ 09:10
Received: 03/21/2012 @ 10:24
Analyzed: 03/21/2012 @ 13:40

Canister ID# : 2182277
Canister Type : Charcoal Canister 4 inch
Location : BB0019-03-A
Radon Level : 3.5 pCi/L
Error for Measurement is: ± 0.2 pCi/L

Test Start :03/14/2012 @ 13:45
Test Stop :03/20/2012 @ 10:15
Received: 03/21/2012 @ 10:24
Analyzed: 03/21/2012 @ 13:27

Canister ID# : 2182280
Canister Type : Charcoal Canister 4 inch
Location : SB0039-03-A
Radon Level : 1.4 pCi/L
Error for Measurement is: ± 0.1 pCi/L

Test Start :03/14/2012 @ 13:26
Test Stop :03/20/2012 @ 09:07
Received: 03/21/2012 @ 10:24
Analyzed: 03/21/2012 @ 13:38

Canister ID# : 2182282
Canister Type : Charcoal Canister 4 inch
Location : SB0035-03-A
Radon Level : 0.7 pCi/L
Error for Measurement is: ± 0.1 pCi/L

Test Start :03/14/2012 @ 10:00
Test Stop :03/20/2012 @ 09:54
Received: 03/21/2012 @ 10:24
Analyzed: 03/21/2012 @ 13:29

Canister ID# : 2182284
Canister Type : Charcoal Canister 4 inch
Location : SB0035-03-B
Radon Level : 0.6 pCi/L
Error for Measurement is: ± 0.1 pCi/L

Test Start :03/14/2012 @ 10:04
Test Stop :03/20/2012 @ 09:57
Received: 03/21/2012 @ 10:24
Analyzed: 03/21/2012 @ 13:30

Canister ID# : 2182287
Canister Type : Charcoal Canister 4 inch
Location : BB0019-03-B
Radon Level : 3.4 pCi/L

Test Start :03/14/2012 @ 13:46
Test Stop :03/20/2012 @ 10:17
Received: 03/21/2012 @ 10:24
Analyzed: 03/21/2012 @ 13:28

National Radon Safety Board NRSB Certified Radon Professionals

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

NRSB ARL0001
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NJDEP ID: NY933
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(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

RTCA RADON TESTING CORPORATION OF AMERICA

Site Radon Inspection Report

Date : 3/21/2012

Error for Measurement is: ± 0.2 pCi/L

Canister ID# : 2182303
Canister Type : Charcoal Canister 4 inch
Location : SB0035-03-C
Radon Level : 0.6 pCi/L
Error for Measurement is: ± 0.1 pCi/L

Test Start :03/14/2012 @ 10:04
Test Stop :03/20/2012 @ 09:55
Received: 03/21/2012 @ 10:24
Analyzed: 03/21/2012 @ 13:37

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon (www.epa.gov/radon/pubs/citguide.html). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air. (EPA R-92-004) RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or it's consultants based on RTCA-provided results.

National Radon Safety Board NRSB Certified Radon Professionals

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609

(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

3/21/12 ENV240

EQM

EPA Contract Number: EP-56-07-01

On-Site Contact: Susan Thuillard (513) 519-6819

mt1089_1@hotmail.com

CHAIN OF CUSTODY RECORD

San Mateo Uranium Assessment

Contact Name: Robert Sherman

Contact Phone: 505-285-5395

No: 1-0001120101-120320-0001

DateShipped: 3/20/2012

Lab: RTCA

Lab Phone: 914-345-3380

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	MS/MSD
	BB0019-03-A	2182277	Radon	Air	3/14/2012	1:45:00 PM	3/20/2012	10:15:00 AM	1	Charcoal Canister	None	
	BB0019-03-B	2182287	Radon	Air	3/14/2012	1:46:00 PM	3/20/2012	10:17:00 AM	1	Charcoal Canister	None	
	SB0035-03-A	2182282	Radon	Air	3/14/2012	10:00:00 AM	3/20/2012	9:54:00 AM	1	Charcoal Canister	None	
	SB0035-03-B	2182284	Radon	Air	3/14/2012	10:04:00 AM	3/20/2012	9:57:00 AM	1	Charcoal Canister	None	
	SB0035-03-C	2182303	Radon	Air	3/14/2012	10:04:00 AM	3/20/2012	9:55:00 AM	1	Charcoal Canister	None	
	SB0039-03-A	2182280	Radon	Air	3/14/2012	1:26:00 PM	3/20/2012	9:07:00 AM	1	Charcoal Canister	None	
	SB0039-03-B	2182271	Radon	Air	3/14/2012	1:27:00 PM	3/20/2012	9:10:00 AM	1	Charcoal Canister	None	

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
7 canisters	Larry Howard	3/20/12									
7 Canisters	RTCA/Galan	3/21/12									

AccuStar Labs Radon in Air

NEHA NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Charcoal Canister
NEHA Device Code 2014
NRSB Device Code 10313

Laboratory Report For

Property Tested

Project # 1-0005120502-120716-000

Weston Solutions Inc.-K. Warr
5599 San Felipe Suite 700
Houston TX 77056

Homestake Uranium Assessment

Log Number	Device Number	Exposure Period		Area Tested	Result (pCi/L)
1384141	463549	7/9/2012 10:37 am	7/14/2012 7:34 am	OT0035-05-A	1.5
1384142	463563	7/9/2012 10:43 am	7/14/2012 7:37 am	OT0035-05-B	0.4
1384143	463551	7/9/2012 10:37 am	7/14/2012 7:34 am	OT0035-05-C	1.5
1384144	467186	7/9/2012 4:07 pm	7/14/2012 9:01 am	PV0130-05-A	0.8
1384145	467187	7/9/2012 4:08 pm	7/14/2012 9:04 am	PV0130-05-B	< 0.4
1384146	467182	7/9/2012 3:48 pm	7/14/2012 10:03 am	VV0013-05-A	< 0.4
1384147	467183	7/9/2012 3:50 pm	7/14/2012 9:31 am	VV0013-05-B	0.8
1384148	463561	7/9/2012 11:29 am	7/14/2012 9:30 am	VV0016-05-A	0.7
1384149	463562	7/9/2012 11:29 am	7/14/2012 10:04 am	VV0016-05-B	0.7
1384150	463559	7/9/2012 11:07 am	7/14/2012 10:31 am	VV0061-05-A	0.5

Comment: Weston Solutions Inc.-K. Warr was e-mailed a copy of this report. A copy of this report was emailed to garreno@westonsolutions.com.

Distributed By: Weston Solutions Inc.-K. Warr

Date Received: 7/17/2012 Date Analyzed: 7/17/2012 Date Reported: 7/18/2012

Report Reviewed By: M. Gray Report Approved By: Carolyn K. Allen
Carolyn K. Allen President, AccuStar Labs

Disclaimer:

The uncertainty of this radon measurement is ~+/- 10 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques and operation of the dwelling. Interference with test conditions may influence the test results.

This report may only be transferred to a third party in its entirety. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.

AccuStar Labs Radon in Air

NEHA NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Charcoal Canister
NEHA Device Code 2014
NRSB Device Code 10313

Laboratory Report For

Weston Solutions Inc.-K. Warr
5599 San Felipe Suite 700
Houston TX 77056

Property Tested

Project # 1-0005120502-120716-000

Homestake Uranium Assessment

Log Number	Device Number	Exposure Period		Area Tested	Result (pCi/L)
1384151	463560	7/9/2012 11:09 am	7/14/2012 10:33 am	VV0061-05-B	0.6

Comment: Weston Solutions Inc.-K. Warr was e-mailed a copy of this report. A copy of this report was emailed to garreno@westonsolutions.com.

Distributed By: Weston Solutions Inc.-K. Warr

Date Received: 7/17/2012 Date Analyzed: 7/17/2012 Date Reported: 7/18/2012

Report Reviewed By: M. Gray Report Approved By: Carolyn K. Allen
Carolyn K. Allen President, AccuStar Labs

Disclaimer:

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RAdata, Inc.

27 Ironia Road, Unit 2
Flanders, NJ 07836
973-927-7303

Weston Solutions, Inc.
Robert Sherman
4324 South Sherwood Forest Blvd
Baton Rouge, LA 70816

March 07,2011

Radon Test Results/Information:

FileNum:

Name: #20406-012-005-0583-01,

Test Location: Homestakes Uranium Assessment, Milan NM

Test #	Test Date	Test Device	Location	Avg. Radon Concentration	Date Analyzed
717066-692647	2/25/2011,15:30-3/3/2011,11:38	Charcoal Canister	Unknown BV0119A	0.5 pCi/L +/- 0.20	3/7/2011,14:52 Analyzed by: Deborah Van Dyk
717082-692663	2/26/2011,15:22-3/3/2011,12:47	Charcoal Canister	Unknown BV0126A	2.8 pCi/L +/- 0.25	3/7/2011,14:56 Analyzed by: Deborah Van Dyk
717083-692664	2/26/2011,15:22-3/3/2011,12:47	Charcoal Canister	Unknown BV0126B	2.9 pCi/L +/- 0.26	3/7/2011,14:56 Analyzed by: Deborah Van Dyk
717092-692673	2/25/2011,15:34-3/3/2011,11:43	Charcoal Canister	Unknown BV0119B	1.5 pCi/L +/- 0.24	3/7/2011,14:52 Analyzed by: Deborah Van Dyk
717099-692680	2/24/2011,12:52-3/1/2011,16:38	Charcoal Canister	Unknown MA0094B	3.8 pCi/L +/- 0.34	3/7/2011,14:54 Analyzed by: Deborah Van Dyk
717104-692685	2/26/2011,12:05-3/3/2011,16:31	Charcoal Canister	Unknown BV0118A	1.3 pCi/L +/- 0.24	3/7/2011,14:52 Analyzed by: Deborah Van Dyk
717105-692686	2/26/2011,12:05-3/3/2011,16:31	Charcoal Canister	Unknown BV0118B	1.3 pCi/L +/- 0.23	3/7/2011,14:52 Analyzed by: Deborah Van Dyk
717106-692687	2/25/2011,11:27-3/3/2011,10:01	Charcoal Canister	Unknown MA0090A	3.9 pCi/L +/- 0.28	3/7/2011,14:55 Analyzed by: Deborah Van Dyk
717107-692688	2/25/2011,11:30-3/3/2011,10:04	Charcoal Canister	Unknown MA0090B	4.8 pCi/L +/- 0.29	3/7/2011,14:55 Analyzed by: Deborah Van Dyk
717108-692689	2/24/2011,12:50-3/1/2011,16:35	Charcoal Canister	Unknown MA0094A	3.3 pCi/L +/- 0.36	3/7/2011,14:55 Analyzed by: Deborah Van Dyk
717112-692693	2/24/2011,12:24-3/1/2011,16:47	Charcoal Canister	Unknown MA0091B	1.8 pCi/L +/- 0.28	3/7/2011,14:55 Analyzed by: Deborah Van Dyk
717113-692694	2/24/2011,12:20-3/1/2011,16:45	Charcoal Canister	Unknown MA0091A	2.4 pCi/L +/- 0.32	3/7/2011,14:55 Analyzed by: Deborah Van Dyk

The results of this measurement provide an idea of the average concentration in the area of the structure tested during this testing period. The actual risk depends upon the amount of time you are exposed to this concentration. The US EPA and the Center of Disease Control have used a continuous exposure level of 4.0 pCi/L as a guidance level at which remedial action is indicated. If you would like additional information on radon, we recommend that you contact either your state agency or the US EPA.

The accuracy of the radon levels determined at the time of sampling are dictated by proper deployment and conditions in the field. Since deployment in the field is not completed by Radata, Inc. laboratory personnel, the radon results indicated represent the levels found in the test device as received at our lab.

Charcoal Canister samples are analyzed by Method [EPA-402-R-92-004 July 92]
Liquid Scintillation samples are analyzed by Method [EPA EPA-402-R-92-004 July 92]
(+/- = 2 sigma (95% confidence level) counting uncertainty reported in pCi/L.)

NEHA Cert#101196 - NY LAB ID# 11653

LIMITATIONS OF DATA AND PRODUCT LIABILITY

This product is designed to detect radon levels in a specific location. It can not guarantee the overall level of radon present in a home or building, or that people will not be exposed to potentially harmful levels of radon. The cost of this product is based solely on the value of the monitoring, and is unrelated to the value of any customers' property or health. RAdata, Inc. EXPRESSLY DISCLAIMS ALL LIABILITY FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGES RESULTING FROM THE IMPROPER USE OF THE PRODUCT OR THE IMPROPER INTERPRETATION OF THE DATA GENERATED BY THE PRODUCT. RAdata's AND ITS AGENT'S SOLE AND EXCLUSIVE LIABILITY AND THE CUSTOMER'S SOLE LIABILITY AND EXCLUSIVE REMEDY WILL NOT EXCEED THE LESSER OF THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. Neither RAdata, Inc. nor its agents accepts any liability for improper deployment of any device and shall not be responsible for the consequences of the results derived from same.

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Jeffrey Kaplan

Jeffrey Kaplan, Lab Director

U.S. Environmental Protection Agency
Office of Radiation and Indoor Air
for
HOMESTAKE MINING-NM
Report of diffusion barrier charcoal canisters

Report produced on: Tuesday, 02/08/2011

Canister id	Location Code	Radon Activity (pCi/L)	
879193		2.8	
879194		5.8 *	VV0003
879195		2.6	
879196		1.7	
879197		1.9	
879200		2.5	
879201		6.3 *	VV0003
879202		2.1	
879203		5.7 *	MA0048
879204		5.7 *	" "
879205		3.6	
879211		2.4	
879212		2.3	
879220		3.9	
879221		4.6 *	MA0049
879222		4.6 *	" "
879232		9.8 *	MA0021
879241		8.4 *	" "

* Activity exceeds the EPA's recommended action level of 4 pCi/l

RAdata, Inc.

27 Ironia Road, Unit 2
Flanders, NJ 07836
973-927-7303

Weston Solutions, Inc.
Robert Sherman
4324 South Sherwood Forest Blvd
Baton Rouge, LA 70816

March 08,2011

FileNum:

Radon Test Results/Information:

Name: #20406-012-005-0583-01,

Test Location: Homestakes Uranium Assessment, Milan NM

Test #	Test Date	Test Device	Location	Avg. Radon Concentration	Date Analyzed
BV0109B					
717065-692646	2/28/2011,11:55-3/5/2011,10:25	Charcoal Canister	Unknown	**0.8 pCi/L** +/- 0.17	3/8/2011,12:01 Analyzed by: Barbara Schubert
BV0109A					
717093-692674	2/28/2011,11:55-3/5/2011,10:25	Charcoal Canister	Unknown	**0.7 pCi/L** +/- 0.17	3/8/2011,12:00 Analyzed by: Barbara Schubert

The results of this measurement provide an idea of the average concentration in the area of the structure tested during this testing period. The actual risk depends upon the amount of time you are exposed to this concentration. The US EPA and the Center of Disease Control have used a continuous exposure level of 4.0 pCi/L as a guidance level at which remedial action is indicated. If you would like additional information on radon, we recommend that you contact either your state agency or the US EPA.

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Jeffrey Kaplan, Lab Director

NEHA Cert#101196 - NY LAB ID# 11653

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Site #: TO0005100801
Contact Name: Robert Sherman
Contact Phone: 505-285-5395

No: 1-0005100801-110329-0002

DateShipped: 3/29/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	MS/MSD	Sampler
	BV0066-01-A	4788160	Radon	Air	10/12/2010	4:15:00 PM	3/24/2011	11:48:00 AM	1	Track Etch Detector	None		START
	BV0066-01-C	4788161	Radon	Air	10/12/2010	4:15:00 PM	3/24/2011	11:48:00 AM	1	Track Etch Detector	None		START
	BV0139-01-A	4783413	Radon	Air	9/15/2010		3/15/2011	11:23:00 AM	1	Track Etch Detector	None		START
	BW0004-01-A	4783435	Radon	Air	10/6/2010	3:00:00 PM	3/28/2011	3:37:00 PM	1	Track Etch Detector	None		START
	BW0009-01-A	4788213	Radon	Air	10/11/2010	12:45:00 PM	3/28/2011	2:02:00 PM	1	Track Etch Detector	None		START
	BW0028-01-A	4788211	Radon	Air	10/11/2010	12:00:00 PM	3/28/2011	2:55:00 PM	1	Track Etch Detector	None		START
	MA0046-01-F	4795105	Radon	Air	9/14/2010		3/25/2011	4:05:00 PM	1	Track Etch Detector	None		START
	PV0030-01-A	4782954	Radon	Air	10/21/2010	11:36:00 AM	3/25/2011	2:18:00 PM	1	Track Etch Detector	None		START
	PV0030-01-C	4782955	Radon	Air	10/21/2010	11:36:00 AM	3/25/2011	2:18:00 PM	1	Track Etch Detector	None		START

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
9/samples	TOB	3/29/11	[illegible]	4/1/11	2:15 pm						

START

EPA Contract Number: EP-W-06-042

CHAIN OF CUSTODY RECORD

Site #: TO0005100801
Contact Name: Robert Sherman
Contact Phone: 505-285-5395

No: 1-0005100801-110406-0001

DateShipped: 4/6/2011
Lab: Landauer, Inc.
Lab Phone: 800.528.8327

Lab #	Sample #	Canister #	Analyses	Matrix	Start Date	Start Time	Stop Date	Stop Time	Numb Cont	Container	Preservative	MS/MSD	Sampler
	BW0009-01-D	4788215	Radon	Air	10/11/2010	1:00:00 PM	4/2/2011	12:50:00 PM	1	Track Etch Detector	None		START
	BW0011-01-D	4783431	Radon	Air	10/5/2010	10:30:00 AM	4/2/2011	2:52:00 PM	1	Track Etch Detector	None		START
	BW0028-01-D	4788206	Radon	Air	10/11/2010	12:20:00 PM	4/2/2011	2:05:00 PM	1	Track Etch Detector	None		START
	BW0028-01-E	4788210	Radon	Air	10/11/2010	12:20:00 PM	4/2/2011	2:02:00 PM	1	Track Etch Detector	None		START

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
4/Samples	[illegible]	4/6/11	[illegible]	4/8/11	10:36 AM						

ALPHA SREENING RESULTS

San Mateo Structural Assessment Project

San Mateo Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000									Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10									Detector Serial Number: PR091540
PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED									
Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]		Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) (Background should = 1-3 CPM)*	Screener's Initials	Comments HOMESTAKE				
6,632	0.31		1 CPM	cg					
Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*			Comments
OT0035-A1-11	2/9/11	1545	2/9/11@1120	1.0	0	0			
OT0035-A2-11	2/9/11	1550	2/9/11@1130	0	0	0			
OT0035-A3-11	2/9/11	1552	2/9/11@1135	2.5	1.5	4.8			
OT0035-G1-11	2/9/11	1553	2/9/11@1143	2.0	1.0	3.2			
OT0035-H1-11	2/9/11	1555	2/9/11@1148	1.0	0	0			
OT0035-H2-11	2/9/11	1557	2/9/11@1152	1.0	0	0			
OT0035-I1-11	2/9/11	1559	2/9/11@1158	1.0	0	0			
OT0035-I2-11	2/9/11	1601	2/9/11@1215	1.0	0	0			
OT0035-I3-11	2/9/11	1603	2/9/11@1220	0	0	0			
OT0035-J1-11	2/9/11	1703	2/9/11@1720	1.0	0	0			
OT0035-J2-11	2/9/11	1705	2/9/11@1725	0	0	0			
OT0035-K1-11	2/9/11	1709	2/9/11@1730	2.0	1.0	3.2			
OT0035-K2-11	2/9/11	1714	2/9/11@1735	2.0	1.0	3.2			
OT0035-K3-11	2/9/11	1711	2/9/11@1740	4.5	3.5	11.3			

*** DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED**

ACTION LEVEL = 20 DPM/ 100 sq. cm

San Mateo Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000									Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10									Detector Serial Number: PR091540
PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED									
Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]		Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) [Background should = 1-3 CPM]*	Screener's Initials	Comments				
6,607	0.31		1.0 CPM	cy	San Mateo / Homestake				
Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*			Comments
SM0027-A1	1/18/11	1117	2/20/11@1600	1.0	0	0			
SM0027-B1	1/18/11	1130	2/20/11@1605	2.0	1.0	3.2			
SM0027-B2	1/18/11	1132	2/20/11@1610	1.0	0	0			
VV0040-J1	2/10/11	1439	2/20/11@1613	0	-1	0			

*** DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED**

ACTION LEVEL = 20 DPM/ 100 sq. cm

Homestake Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000								Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10								Detector Serial Number: PR091540
PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED								
Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]		Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) [Background should = 1-3 CPM]*	Screener's Initials	Comments			
6509	.3		1	PW	Homestake			
Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*		Comments
BV0070-A1-11	2/17/11	1120	2/23/11 : 1648	~~0.5~~ PW 1	0	0		
BV0070-B1-11	2/17/11	1121	2/23/11 : 1656	0	0	0		
BV0070-B2-11	2/17/11	1122	2/23/11 : 1706	1	0	0		
BV0070-C1-11	2/17/11	1124	2/23/11 : 1711	2	1	3.33		
BV0070-C2-11	2/17/11	1126	2/23/11 : 1718	0	0	0		
EA0197-C1-11	2/17/11	1549	2/23/11 : 1721	0	0	0		

*** DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED**

ACTION LEVEL = 20 DPM/ 100 sq. cm

Homestake Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000	Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10	Detector Serial Number: PR091540

PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED

Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]	Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) (Background should = 1-3 CPM)*	Screener's Initials	Comments
6631	0.31	1.0	cg	

Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*			Comments
MA0090-B1	2/25/11	1134	3/2/11 @ 1355	Ø	Ø	Ø			
MA0090-B2	2/25/11	1137	3/2/11 @ 1400	1	Ø	Ø			
MA0090-C1	2/25/11	1139	3/2/11 @ 1405	Ø	Ø	Ø			
MA0090-C2	2/25/11	1141	3/2/11 @ 1410	1	Ø	Ø			
MA0090-C3	2/25/11	1143	3/2/11 @ 1420	Ø	Ø	Ø			
MA0090-D1	2/25/11	1145	3/2/11 @ 1425	2	1	3.2			
VV0061-B1	2/26/11	1415	3/2/11 @ 1430	Ø	Ø	Ø			
VV0061-C1	2/26/11	1418	3/2/11 @ 1435	Ø	Ø	Ø			
VV0061-E1	2/26/11	1421	3/2/11 @ 1440	1	Ø	Ø			

*** DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED**

ACTION LEVEL = 20 DPM/ 100 sq. cm

Homestake Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000								Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10								Detector Serial Number: PR091540
PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED:								
Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]		Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) [Background should = 1-3 CPM]*	Screener's Initials	Comments			
6673	0.31		1	TE.				
Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*		Comments
BVQ112-A1-11-11Q314	3/14/11	1107	3/18/11 1820	Q	Q	Q		
BVQ112-A2-11-11Q314	3/14/11	1109	3/18/11 1825	Q	Q	Q		
BVQ112-E1-11-11Q314	3/14/11	1117	3/18/11 1828	1	Q	Q		
BVQ112-F1-11-11Q314	3/14/11	1111	3/18/11 1832	3	2	6.45		
BVQ112-G1-11-11Q314	3/14/11	1113	3/18/11 1836	1	Q	Q		
BVQ112-G2-11-11Q314	3/14/11	1115	3/18/11 1840	1	Q	Q		
BVQ117-B1-11-11Q312	3/12/11	1112	3/18/11 1843	1	Q	Q		
BVQ117-B2-11-11Q312	3/12/11	1114	3/18/11 1847	1	Q	Q		
BVQ117-B3-11-11Q312	3/12/11	1115	3/18/11 1850	2	1	3.23		
BVQ117-B4-11-11Q312	3/12/11	1116	3/18/11 1854	1	Q	Q		
BVQ117-B5-11-11Q312	3/12/11	1110	3/18/11 1901	1	Q	Q		
BVQ117-B6-11-11Q312	3/12/11	1117	3/18/11 1904	1	Q	Q		
BVQ117-C1-11-11Q312	3/12/11	1119	3/18/11 1908	1	Q	Q		
BVQ117-F1-11-11Q312	3/12/11	1120	3/18/11 1912	3	2	6.45		
BVQ117-F2-11-11Q312	3/12/11	1122	3/18/11 1915	1	Q	Q		
BVQ117-F3-11-11Q312	3/12/11	1123	3/18/11 1919	1	Q	Q		
BVQ162-B1-11-11Q315	3/15/11	1457	3/18/11 1922	1	Q	Q		

*** DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED**

ACTION LEVEL = 20 DPM/ 100 sq. cm

Homestake Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000								Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10								Detector Serial Number: PR091540
PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED								
Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]		Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) [Background should = 1-3 CPM]*	Screener's Initials	Comments			
6557	0.31		13/20 = 1	og				
Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*		Comments
VV0043-A1	3/16/11	1448	3/23/11 @ 1135	1	0	0		
VV0043-E1	3/16/11	1501	3/23/11 @ 1145	0	-1	0		
VV0043-F1	3/16/11	1510	3/23/11 @ 1150	1	0	0		
VV0043-G1	3/16/11	1517	3/23/11 @ 1155	1	0	0		
~~VV0043-9~~								
BV0111-A1	3/19/11	1118	3/23/11 @ 1200	1	0	0		

*** DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED**

ACTION LEVEL = 20 DPM/ 100 sq. cm

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Homestake Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000									Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10									Detector Serial Number: PR091540
PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED									
Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]		Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) [Background should = 1-3 CPM]*	Screener's Initials	Comments				
6561	0.31		16/20 = 0.8 1 cpm	T.E.					
Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*			Comments
BVQQ66-B1-11-11Q324	3/24/11	1041	4/8/11	1417	2	1	3.23		
BVQQ66-C1-11-11Q324	3/24/11	1056	4/8/11	1422	1	Q	Q		
BVQQ66-D1-11-11Q324	3/24/11	1100	4/8/11	1425	2	1	3.23		
BVQQ66-F1-11-11Q324	3/24/11	1140	4/8/11	1429	1	Q	Q		
BVQ114-B2-11-11Q329	3/29/11	1055	4/8/11	1432	1	Q	Q		
MAQQ49-H1-11-11Q321	3/21/11	1159	4/8/11	1436	1	Q	Q		
MAQQ49-H2-11-11Q321	3/21/11	1205	4/8/11	1439	1	Q	Q		
VVQQ16-A1-11-11Q322	3/22/11	1459	4/8/11	1443	1	Q	Q		
VVQQ16-A2-11-11Q322	3/22/11	1500	4/8/11	1446	1	Q	Q		
VVQQ17-A1-11-11Q323	3/23/11	1431	4/8/11	1450	1	Q	Q		
BVQ114-B1-11-11Q329	3/29/11	1050	4/8/11	1453	Q	Q	Q		
*** DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED**									

ACTION LEVEL = 20 DPM/ 100 sq. cm

Homestake Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000									Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10									Detector Serial Number: PR091540
PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED									
Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]		Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) [Background should = 1-3 CPM]*	Screener's Initials	Comments				
6597	0.31		17/20 = 0.85	OZ					
Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*			Comments
BV0071-E1-11	4/7/11	1214	4/27/11 @ 1115	1	0	0			
BV0071-E2-11	4/7/11	1216	4/27/11 @ 1118	0	0	0			
BV0071-E3-11	4/7/11	1218	4/27/11 @ 1121	2	1	3.2			
BV0071-F1-11	4/7/11	1220	4/27/11 @ 1124	0	0	0			
MA0024-B2-11	4/1/11	1112	4/27/11 @ 1130	1	0	0			
MA0024-B1-11	4/1/11		4/27/11 @ 1133	1	0	0			
MA0021-C1-11	4/22/11	1106	4/27/11 @ 1137	1	0	0			
MA0021-C2-11	4/22/11	1107	4/27/11 @ 1140	1	0	0			
BV0071-A1-11	4/7/11	1200	4/27/11 @ 1405	2	1	3.2			
BV0071-B1-11	4/7/11	1202	4/27/11 @ 1410	0	0	0			
BV0071-B2-11	4/7/11	1204	4/27/11 @ 1414	1	0	0			
BV0071-C1-11	4/7/11	1208	4/27/11 @ 1419	1	0	0			
BV0071-C2-11	4/7/11	1211	4/27/11 @ 1422	1	0	0			
BV0071-C3-11	4/7/11	1213	4/27/11 @ 1425	1	0	0			

*** DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED**

ACTION LEVEL = 20 DPM/ 100 sq. cm

San Mateo Structural Assessment Project
Swipe Sample Alpha Readings

Instrument Information: Ludlum 2000									Instrument Serial Number: 96066
Instrument Detector: Ludlum 43-10									Detector Serial Number: PR091540
PERFORM THE EFFICIENCY (THORIUM 230) and BACKGROUND SCREENINGS/ CALCULATIONS PRIOR TO EACH BATCH OF READINGS/ ANALYSES TO BE CONDUCTED									
Th230 Counts / Minute (CPM): *Screen for 1-minute*	Efficiency (Th230 CPM/ 21,490 DPM) [Should be less than .50 (approx. .25-.35]		Background in Counts/ Minute (CPM): *Screen New/ Unused Wipe for 20 minutes and then Divide by 20 (Round to nearest whole number) [Background should = 1-3 CPM]*	Screener's Initials	Comments				
6737	0.31		14/20 = 0.7						
Sample ID#	Date and Time when sample was collected in Field		Date and time when sample was Screened (MUST WAIT A MINIMUM OF 72 HRS. (3 DAYS) AFTER SAMPLE COLLECTED	Sample Result in Counts/ Minute (CPM): *Screen for 2 Minutes and then Divide by 2 (Round up to nearest whole #)*	Sample Net CPM: *Sample Result CPM - Background CPM*	Sample Activity [Disintegrations per Minute (DPM)]: *Sample Net CPM / Efficiency*			Comments
VV0013-A1-11	4/29/11	1042	6/16/11 @0911	1	0	0			
* DO NOT SCREEN ANY SAMPLE UNTIL AT LEAST 72 HOURS (3 DAYS) AFTER SAMPLE WAS COLLECTED									

ACTION LEVEL = 20 DPM/ 100 sq. cm

WIPE FORMS

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: BV0066

Date: 3/24/2011

START Team Member (who completed this form): Vasquez

Additional START Team Members: Ganem

LUDLUM Instrument #: 149959

Detector #: PR033908

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
Room B	BV0066-B1-11-110324	1041	10777	1040
Room C	BV0066-C1-11-110324	1056	10952	1056
Room D	BV0066-D1-11-110324	1100	11102	1100
Room F	BV0066-F1-11-110324	1140	11067	1140

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: BVQQ7Q

Date: 2/17/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: O. Gurren

LUDLUM Instrument #: 149959

Detector #: PRQ33928

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
BVQQ7Q-A	BVQQ7Q-A1-11-110217	1120	10899	1120
-B	BVQQ7Q-B1-11-110217	1121	10973	1121
-C	BVQQ7Q-C1-11-110217	1124	11078	1124
-C	BVQQ7Q-C2-11-110217	1126	11247	1126
-B	BVQQ7Q-B2-11-110217	1122	11392	1122

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: BVØØ71

Date: 4/7/11

START Team Member (who completed this form): J. WRIGHT

Additional START Team Members: T. EVANS

LUDLUM Instrument #: 163687

Detector #: PR 112840

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
A	BVØØ71-A1-11-110407	1200	13358	1200
B	BVØØ71-B1-11-110407	1202	15207	1202
B	BVØØ71-B2-11-110407	1204	12382	1204
C	BVØØ71-C1-11-110407	1208	14129	1208
C	BVØØ71-C2-11-110407	1211	14829	1211
C	BVØØ71-C3-11-110407	1213	15246	1213
E	BVØØ71-E1-11-110407	1214	28387	1214
E	BVØØ71-E2-11-110407	1216	20356	1216
E	BVØØ71-E3-11-110407	1218	14582	1218
F	BVØØ71-F1-11-110407	1220	13458	1220

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: BVQ111

Date: 3/19/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: P. Vasquez

LUDLUM Instrument #: 148959

Detector #: PRQ33908

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
BVQ111-A	BVQ111-A1-11-110319	1118	23145	1118

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: BVQ112

Date: 3/14/11

START Team Member (who completed this form): J. Evans

Additional START Team Members: J. Wright

LUDLUM Instrument #: 149959

Detector #: PR233928

Wipe Sample (HS) *SCALER READINGS FORM*

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
BVQ112-A	BVQ112-A1-11-110314	1107	17098	1107
-A	BVQ112-A2-11-110314	1109	15938	~~1109~~ 1109
-E	BVQ112-E1-11-110314	1117	16050	1117
-F	BVQ112-F1-11-110314	1111	22501	1111
-G	BVQ112-G1-11-110314	1113	15488	1113
-G	BVQ112-G2-11-110314	1115	15845	1115

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: BV0114

Date: 3/29/2011

START Team Member (who completed this form): Vasquez

Additional START Team Members: Walsh

LUDLUM Instrument #: 149959

Detector #: PRØ339Ø8

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
B	BV0114-B1-11-110329 ~~BV0114~~	1050	13493	1050
B	BV0114-B2-11-110329	1055	14609	1055

Pueblo of Laguna Uranium biomonitoring assessment results

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: MA0049

Date: 3/21/11

START Team Member (who completed this form): P. Vasquez

Additional START Team Members: O. Gamen

LUDLUM Instrument #: 149959

Detector #: ~~PB~~ PR 033908

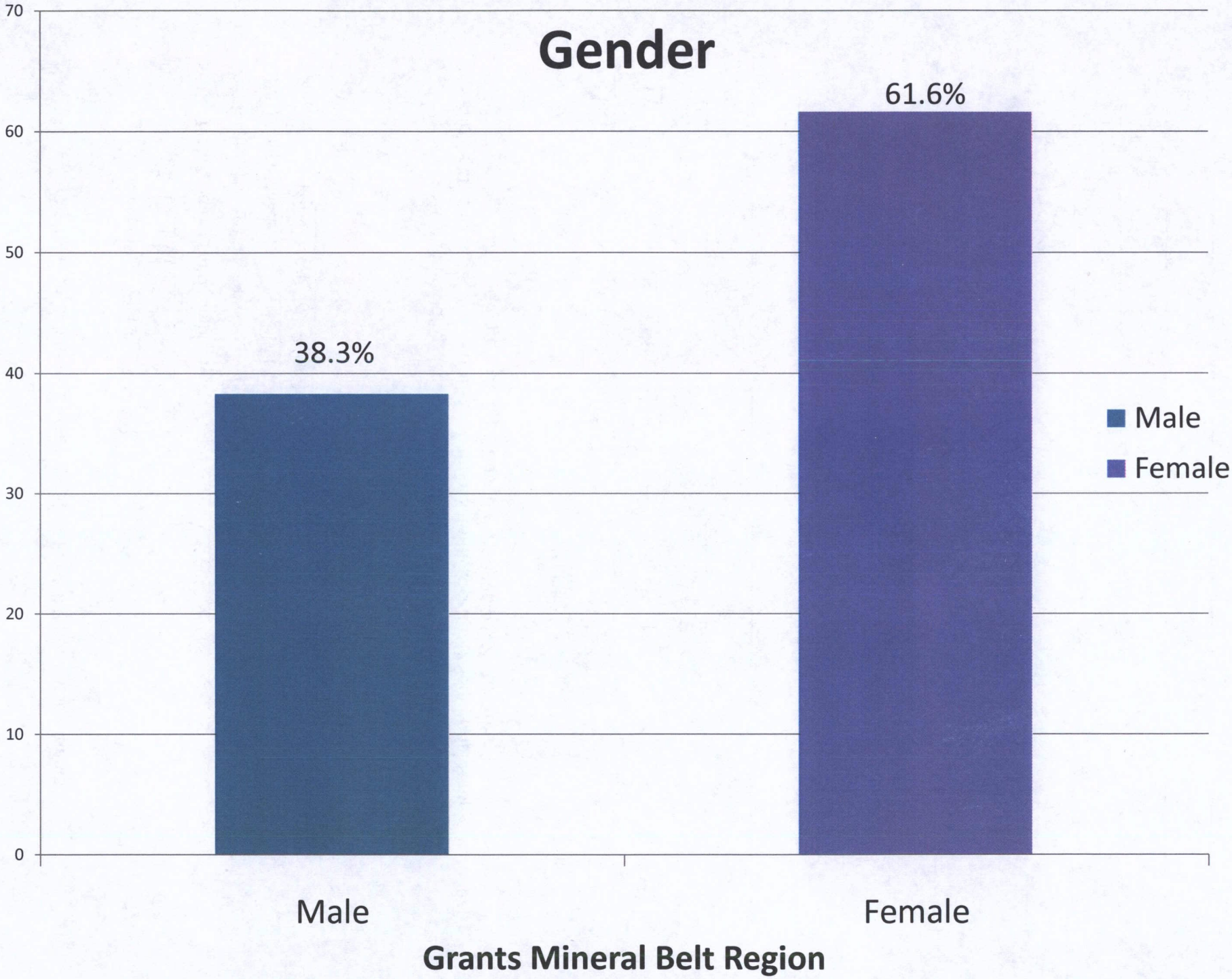
Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
H	MA0049-H1-11-110321	1159	15515	1159
H	MA0049-H2-11-110321	1205	13904	1205


Gender
70
60
50
40
30
20
10
0
38.3%
61.6%
Male
Female
Male
Female
Grants Mineral Belt Region

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: BVQ117

Date: 3/12/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: J. Wright

LUDLUM Instrument #: 149959

Detector #: PRQ33928

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
BVQ117-B	BVQ117-B1-11-11Q312	1112	49791	1112
-B	BVQ117-B2-11-11Q312	1114	54692	1114
-B	BVQ117-B3-11-11Q312	1115	42,512	1115
-B	BVQ117-B4-11-11Q312	1116	23,159	1116
-B	BVQ117-B5-11-11Q312	1110	19781	1110
-B	BVQ117-B6-11-11Q312	1117	39,572	1117
-C	BVQ117-C1-11-11Q312	1119	17,324	1119
-F	BVQ117-F1-11-11Q312	1120	57,755	1120
-F	BVQ117-F2-11-11Q312	1122	45,558	1122
-F	BVQ117-F3-11-11Q312	1123	45,532	1123

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: BVQ16Q

Date: 3/15/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: J. Wright

LUDLUM Instrument #: 149959

Detector #: PRQ33928

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
BVQ16Q-B	BVQ16Q-B141-11Q315	~~9982~~ 1457	9982	1457

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: FAQ187

Date: 2/17/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: O. Gurren

LUDLUM Instrument #: 149959

Detector #: PRQ33988

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
FAQ187-C	FAQ187-C1-11-110217	1549	10259	1549

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: MAQQ21

Date: 4/22/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: T. Sulaiman

LUDLUM Instrument #: 163687

Detector #: PR112840

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
MAQQ21-A	MAQQ21-C1-11-110422	1106	11708	1106
-C	MAQQ21-C2-11-110422	1107	11825	1107

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: MAQQ24

Date: 4/11/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: J. Wright

LUDLUM Instrument #: 163687

Detector #: PR112840

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
MAQQ24-B	MAQQ24-B1-11-110411	1111	8332	1111
-B	MAQQ24-B2-11-110411	1112	8274	1112

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: MA0090

Date: 2/25/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: G. Garren

LUDLUM Instrument #: 149959

Detector #: PR033928

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
MA0090-B	MA0090-B1-11-110225	1134	12696	1134
-B	MA0090-B2-11-110225	1137	12590	1137
-C	MA0090-C1-11-110225	1139	12667	1139
-C	MA0090-C2-11-110225	1141	13076	1141
-C	MA0090-C3-11-110225	1143	13524	1143
-D	MA0090-D1-11-110225	1145	14387	1145

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: OTØØ35

Date: 2/9/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: J. Wright

LUDLUM Instrument #: 149959

Detector #: PR033928

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
OTØØ35-A	OTØØ35-A1-11-110209	~~1345~~ 1545	13572	~~1345~~ 1545
-A	OTØØ35-A2-11-110289	1550	13904	1550
-A	OTØØ35-A3-11-110209	1552	13301	1552
-G	OTØØ35-G1-11-110209	1553	13170	1553
-H	OTØØ35-H1-11-110209	1555	13514	1555
-H	OTØØ35-H2-11-110209	1557	14690	1557
-I	OTØØ35-I1-11-110209	1559	13275	1559
-I	OTØØ35-I2-11-110209	1601	14433	1601
-I	OTØØ35-I3-11-110209	1603	14228	1603
-J	OTØØ35-J1-11-110209	1703	16424	1703
~~-K~~ -J	OTØØ35-J2-11-110209	1705	13823	1705
-K	OTØØ35-K1-11-110209	1709	13415	1709
-K	OTØØ35-~~K2~~ K3-11-110209	1711	13265	1711
-K	OTØØ35-~~K3~~ -K2-11-110209	1714	13336	1714

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: VVQQ13

Date: 4/28/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: T. Sulaiman

LUDLUM Instrument #: 163687

Detector #: PR112840

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
VVQQ13-A	VVQQ13-A1-11-110428	1042	11024	1042

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: VV0017

Date: 3/23/11

START Team Member (who completed this form): Vasquez

Additional START Team Members: O. Gallen

LUDLUM Instrument #: 149959

Detector #: PR033908

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
Room A	VV0017-A1-11-110323	1431	11010	1431

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: VV0016

Date: 3/22/11

START Team Member (who completed this form): Vasquez

Additional START Team Members: Garren

LUDLUM Instrument #: 149959

Detector #: PR Ø389Ø8

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
A	VV0016A1-11-110322	1459	9885	1459
A	VV0016A2-11-110322	1500	11078	1500

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: VVØØ40

Date: 2/16/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: J. Wright

LUDLUM Instrument #: 149959

Detector #: PR033908

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
VVØØ4Ø-5	VVØØ4Ø-51-11-11Ø21Ø	1439	12664	1439

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: WQQ43

Date: 3/16/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: J. Wright, P. Vasquez

LUDLUM Instrument #: 149959

Detector #: PR033928

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
WQQ43-A	WQQ43-A1-11-110316	1448	11680	1448
-E	WQQ43-E1-11-110316	1501	13209	1501
-F	WQQ43-F1-11-110316	1510	12313	1510
-G	WQQ43-G1-11-110316	1517	13168	1517

Oak Canyon/San Mateo Assessment – PHASE II Indoor Assessments

Property Assessment ID: VV0061

Date: 2/26/11

START Team Member (who completed this form): T. Evans

Additional START Team Members: O. Gurren

LUDLUM Instrument #: 149959

Detector #: PR033908

Wipe Sample (HS) SCALER READINGS FORM

(1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at wipe sample locations in room

**Sample nomenclature: Property ID-Sequential Sample Location + Sequential Sample Number-Sample Type + QC Type-Date (i.e. PG0996-A1-11-100708)

Room	Wipe Sample ID	Time	Scaler Reading (cpm)	Scaler Time
VV0061-B	VV0061-B1-11-110226	1415	14,581	1415
VV0061-C	VV0061-C1-11-110226	1418	11,259	1418
VV0061-E	VV0061-E1-11-110226	1421	12,523	1421

VV HOT SPOT FORMS

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VU0001

Date: 10/16/2010

START Team Member (who completed this form): S. Cheek

Additional START Team Members: C. Schneider

LUDLUM Instrument #: 94943

Detector #: PR114847

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)		Time of Reading	
21	11644	21	1150
22	12034	22	1153
23		23	
24		24	
25		25	
26		26	
27		27	
28		28	
29		29	
30		30	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0002

Date: 10/19/10

START Team Member (who completed this form): O. GARREN

Additional START Team Members: P. WALSH

LUDLUM Instrument #: 94943

Detector #: PR114847

Yard GRAB Sample (HS) *SCALER READINGS FORM*

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)	**Time of Reading**
21 14,969	21 1113
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0013

Date: 10/02/10

START Team Member (who completed this form): C. Schneider

Additional START Team Members: P. Walsh

LUDLUM Instrument #: 163687

Detector #: PR112840

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)	Time of Reading
21 10124	21 1306
22 10633	22 1309
23 10994	23 1311
24	24
25	25
26	26
27	27
28	28
29	29
30	30

10/02/10

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0016

Date: ~~10/10/1~~ 10/1/10

START Team Member (who completed this form): T. Evans

Additional START Team Members: O. Garren

LUDLUM Instrument #: 157037

Detector #: FR150642

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)		Time of Reading	
21	10517	21	1525
22	10810	22	1527
23	10485	23	1529
24		24	
25		25	
26		26	
27		27	
28		28	
29		29	
30		30	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0017

Date: 10/01/10

START Team Member (who completed this form): C. Schneider

Additional START Team Members: P. Walsh

LUDLUM Instrument #: 163687

Detector #: PR112840

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)	Time of Reading
21 10640	21 1305
22 10883	22 1308
23 11523	23 1310
24 10821	24 1312
25 10701	25 1315
26	26
27	27
28	28
29	29
30	30

10/01/10

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0838

Date: 10/1/10

START Team Member (who completed this form): T. Evans

Additional START Team Members: O. Garren

LUDLUM Instrument #: 157037

Detector #: PR158642

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)	Time of Reading
21 13344	21 1003
22 13733	22 1005
23 13387	23 1008
24	24
25	25
26	26
27	27
28	28
29	29
30	30

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV8848

Date: 9/28/18

START Team Member (who completed this form): T. Evans

Additional START Team Members: O. Garren

LUDLUM Instrument #: 157837

Detector #: PR158642

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)		Time of Reading	
21	22484	21	1053
22	12313	22	1055
23	13169	23	1058
24		24	
25		25	
26		26	
27		27	
28		28	
29		29	
30		30	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0041

Date: 9/29/10

START Team Member (who completed this form): J. Evans

Additional START Team Members: O. Garren

LUDLUM Instrument #: 157037

Detector #: PR158642

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)		Time of Reading	
21	10717	21	1533
22	20762	22	1536
23		23	
24		24	
25		25	
26		26	
27		27	
28		28	
29		29	
30		30	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0243

Date: 10/19/10

START Team Member (who completed this form): C. Schneider

Additional START Team Members: T. Evans

LUDLUM Instrument #: 157837

Detector #: PR158642

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)	Time of Reading
21 12206	21 0915
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV8859

Date: 10/9/10

START Team Member (who completed this form): T. Evans

Additional START Team Members: S. Cheek

LUDLUM Instrument #: 157837

Detector #: PR152642

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)	Time of Reading
21 11307	21 ~~11307~~ JE 1627
22 10994	22 ~~10994~~ JE 1628
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0061

Date: 10/~~13~~ 02/10

START Team Member (who completed this form): T. EVANS

Additional START Team Members: O. GARREN

LUDLUM Instrument #: 157037

Detector #: PR150642

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)		Time of Reading	
21	11725	21	1200
22	11268	22	1202
23	13150	23	1205
24	10708	24	1207
25		25	
26		26	
27		27	
28		28	
29		29	
30		30	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0182

Date: 9/30/10

START Team Member (who completed this form): T. Evans

Additional START Team Members: O. Gurren

LUDLUM Instrument #: 157037

Detector #: PR152642

Yard GRAB Sample (HS) SCALER READINGS FORM

(Five or Ten 1-Minute Readings with Ludlum 2221)

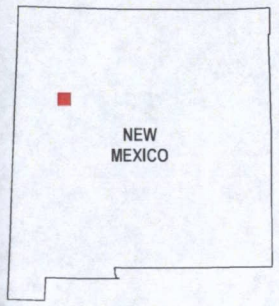
*Obtain readings (scaler mode) at above-threshold locations in yard

1-Minute Readings (Total Counts)		Time of Reading	
21	10204	21	1251
22	10763	22	1255
23	10808	23	1257
24		24	
25		25	
26		26	
27		27	
28		28	
29		29	
30		30	

VV SITE SKETCHES

VV0001

VV0001



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0 35 70

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

US EPA REGION 6
START- 3

PROPERTY VV0001
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: _____
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

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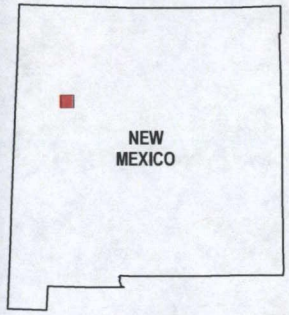
VV0002



LEGEND

1 - 20 1 MINUTE LUDLUM COUNT LOCATIONS

21 HOT SPOT GRAB SAMPLE

ASSESSMENT BOUNDARY

N

0 25 50

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

US EPA REGION 6
START- 3

PROPERTY VV0002
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 10/18/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

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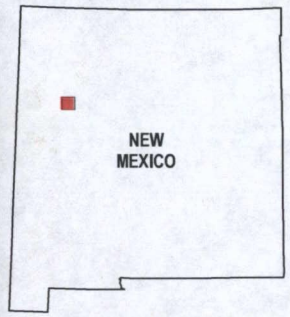
VV0003



LEGEND

(1)-(20) 1 MINUTE LUDLUM COUNT LOCATIONS

FENCE

N

0 25 50

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

US EPA REGION 6
START- 3

PROPERTY VV0003
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 10/8/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

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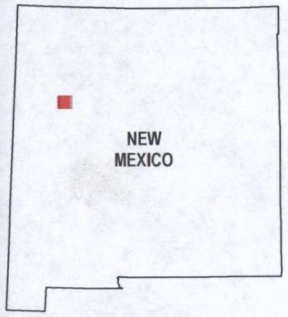
VV0004



LEGEND

①-⑳ 1 MINUTE LUDLUM COUNT LOCATIONS

GRAVEL

ASSESSMENT BOUNDARY

N

0 25 50

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

US EPA REGION 6
START- 3

PROPERTY VV0004
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 10/19/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

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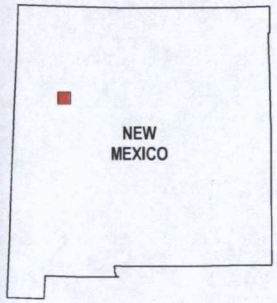
VV0013



(7) 1-minute Ludlum, XRF composite soil aliquot, single point location

/ property assessment boundary

N

0 25 50

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

US EPA REGION 6
START- 3

PROPERTY VV0013
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 10/02/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

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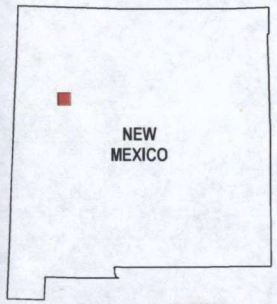
VV0016



LEGEND

1-20 1 MINUTE LUDLUM COUNT LOCATIONS

FENCE

ASSESSMENT BOUNDARY

GRAVEL

21-23 HOT SPOTS

N

0 30 60

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

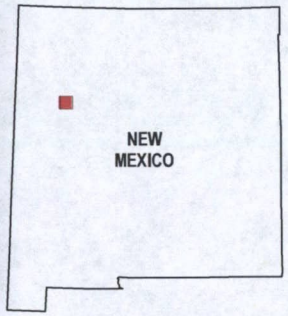
US EPA REGION 6
START- 3

PROPERTY VV0016
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 10/1/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

File: C:\Grant\GIS\MXD\SITE SKETCH FORMS\Valle Verde\VV0016_Site_Sketch.mxd, 01-Oct-10 07:47, STARTGIS

VV0017



(7) 1-minute Ludlum count/singlepoint/XRF composite soil sample location

/ Property assessment boundary

N

0 25 50

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

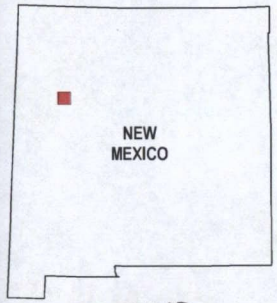
US EPA REGION 6
START- 3

PROPERTY VV0017
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 10/01/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

File: C:\Grant\GIS\MXD\SITE SKETCH FORMS\Valle Verde\VV0017_Site_Sketch.mxd, 01-Oct-10 07:48, STARTGIS

VV0038



LEGEND

①-⑳ 1 MIN. LUDLUM COUNT LOCATIONS

✱✱✱ FENCE/WALL

- - - ASSESSMENT BOUNDARY

㉑-㉓ HOT SPOTS

N

0 45 90

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

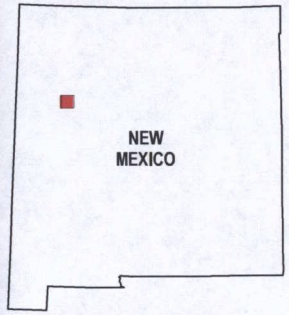
US EPA REGION 6
START- 3

PROPERTY VV0038
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 9/30/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

File: C:\Grant\GIS\MXD\SITE SKETCH FORMS\Valle Verde\VV0038_Site_Sketch.mxd, 30-Sep-10 08:13, STARTGIS

VV0040



LEGEND

1 - 20 1 MINUTE LUDLUM COUNT LOCATIONS

- - - ASSESSMENT BOUNDARY

GRAVEL

21 - 23 HOT SPOTS

N

0 40 80

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

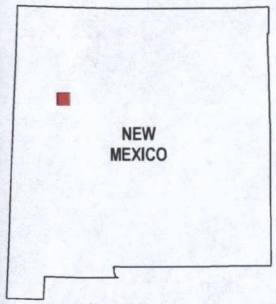
US EPA REGION 6
START- 3

PROPERTY VV0040
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 9/28/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

File: C:\Grant\GIS\MXD\SITE SKETCH FORMS\Valle Verde\VV0040_Site_Sketch.mxd, 27-Sep-10 17:45, STARTGIS

VV0041



LEGEND

1-20 1 MIN. LUPLUM COUNT LOCATIONS

- - - ASSESSMENT BOUNDARY

-X-X- FENCE

21, 22 HOT SPOTS

N

0 30 60

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

US EPA REGION 6
START- 3

PROPERTY VV0041
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 9/29/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

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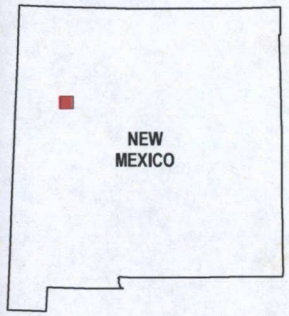
VV0043



(#) Single point location
+ hotspot location.

gravel

- weeds

N

0 30 60

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

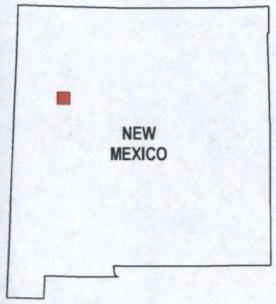
US EPA REGION 6
START- 3

PROPERTY VV0043
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 10/16/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

File: C:\Grant\GIS\MXD\SITE SKETCH FORMS\Broadview Acres\VV0043_Site_Sketch.mxd, 14-Oct-10 08:22, STARTGIS

VV0059



N

0 30 60

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

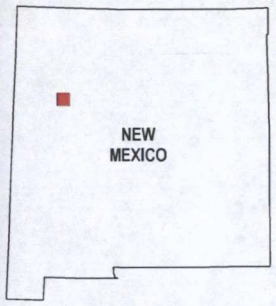
US EPA REGION 6
START- 3

PROPERTY VV0059
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: _____
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

File: C:\Grant\GIS\MXD\SITE SKETCH FORMS\Valle Verde\VV0059_Site_Sketch.mxd, 06-Oct-10 07:48, STARTGIS

VV0061



LEGEND

1-29 1 MIN. LUDLUM COUNT LOCATIONS

FENCE

ASSESSMENT BOUNDARY

21-24 HOT SPOTS

GRAVEL

N

0 25 50

SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

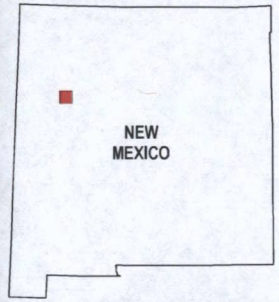
US EPA REGION 6
START- 3

PROPERTY VV0061
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 10/2/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

File: C:\Grant\GIS\MXD\SITE SKETCH FORMS\Valle Verde\VV0061_Site_Sketch.mxd, 01-Oct-10 07:49, STARTGIS

VV0182



LEGEND

1-20 1 MINUTE LUDLUM COUNT LOCATIONS

FENCE

GRAVEL
HARD PACKED DIRT

ASSESSMENT BOUNDARY

21-23 HOT SPOTS

N

0 30 60
SCALE IN FEET

TDD NO: TO-0005-10-08-01
CERCLIS: NMN000606847

SOURCE: ESRI USA Prime Imagery

US EPA REGION 6
START- 3

PROPERTY VV0182
PROPERTY ASSESSMENT MAP
SAN MATEO URANIUM ASSESSMENT
ASSESSMENT DATE: 9/30/10
VALLE VERDE, CIBOLA COUNTY,
NEW MEXICO

DATE	PROJECT NO	SCALE
SEPT 2010	20406.012.005.0583.01	AS SHOWN

File: C:\Grant\GIS\MXD\SITE SKETCH FORMS\Valle Verde\VV0182_Site_Sketch.mxd, 30-Sep-10 08:12, STARTGIS

VV SCALER FORMS

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: ~~BV~~ VV0001
Date: 10/15/10
START Team Member (who completed this form): G. Westerfield
Additional START Team Members: S. Cheek
LUDLUM Instrument #: 163687
Detector #: PR112840

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 10246	1 1623	~~BV~~ VV0001-01-51-101015 VV0001-01-01-101015
2 10078	2 1626	
3 10869	3 1627	
4 11092	4 1629	
5 11515	5 1631	
6 10264	6 1633	
7 10305	7 1635	
8 10423	8 1637	
9 9072	9 1639	
10 9922	10 1641	
11 9324	11 1644	VV0001-11-51-101015
12 9407	12 1646	
13 9309	13 1647	
14 10137	14 1649	
15 9652	15 1652	
16 10451	16 1653	
17 9591	17 1655	
18 9262	18 1658	
19 9221	19 1700	
20 9675	20 1702	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0002
Date: 10-18-2010
START Team Member (who completed this form): P. Walsh
Additional START Team Members: D. Garman
LUDLUM Instrument #: 94943
Detector #: PR114847

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 9603	1 1513	VV0002-01-51-101018
2 8990	2 1516	
3 8802	3 1519	
4 8916	4 1521	
5 8773	5 1523	
6 8632	6 1526	
7 8752	7 1528	
8 8793	8 1531	
9 8381	9 1534	
10 8853	10 1535	
11 8570	11 1538	VV0002-11-51-101018
12 10624	12 1540	
13 9227	13 1542	
14 8824	14 1544	
15 9131	15 1558	
16 9413	16 1600	
17 9090	17 1602	
18 9292	18 1604	
19 9598	19 1606	
20 9774	20 1608	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0003
Date: 10/18/2010
START Team Member (who completed this form): P. Walsh
Additional START Team Members: O. Garran
LUDLUM Instrument #: 94943
Detector #: PR114847

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 9691	1 1210	VV0003-01-51-101018
2 10097	2 1213	
3 10081	3 1215	
4 9439	4 1217	
5 10496	5 1219	
6 10504	6 1221	
7 10021	7 1223	
8 9992	8 1225	
9 10825	9 1227	
10 10436	10 1229	
11 10536	11 1231	VV0003-11-51-101018
12 10688	12 1233	MS/MSD
13 10792	13 1235	
14 10513	14 1237	
15 10661	15 1239	
16 10826	16 1243	
17 11177	17 1245	
18 9944	18 1246	
19 10470	19 1248	
20 9038	20 1250	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0004

Date: 10/19/10

START Team Member (who completed this form): P.WALSH

Additional START Team Members: O.GARREN

LUDLUM Instrument #: 94943

Detector #: PR114847

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 9819	1 1424	VV0004-01-51-101019
2 9443	2A 1430	
2: 10200		
3 9123	3 1433	
4 ~~9447~~ PW	4 1436	
5 9647	5 1435	
6 9275	6 1438	
7 9487	7 1440	
8 9601	8 1442	
9 9790	9 1444	
10 10216	10 1446	
11 9863	11 1448	VV0004-11-51-101019
12 9734	12 1450	
13 8800	13 1452	
14 8811	14 1454	
15 9333	15 1456	
16 9338	16 1458	
17 9138	17 1500	
18 9293	18 1502	
19 9240	19 1504	
20 9460	20 1506	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0013

Date: 10-2-2010

START Team Member (who completed this form): P. Walsh

Additional START Team Members: C. Schueder

LUDLUM Instrument #: 163687

Detector #: PR112840

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 11896	1 0931	VV0013-01-41-101002
2 11770	2 0934	
3 11518	3 0936	
4 11671	4 0939	
5 11716	5 0941	
6 11085	6 0943	
7 11521	7 0945	
8 11233	8 0948	
9 10795	9 0954	
10 11326	10 0956	
11 11319	11 0958	VV0013-11-41-101002
12 10790	12 1001	
13 11417	13 1003	
14 11437	14 1005	
15 11301	15 1007	
16 12060	16 1010	
17 11969	17 1012	
18 11678	18 1014	
19 11589	19 1015	
20 11017	20 1017	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0016
Date: 10/1/10
START Team Member (who completed this form): T. Evans
Additional START Team Members: O. Garren
LUDLUM Instrument #: 157037
Detector #: PR150642

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 10428	1 ~~1424~~ 1433 TE	VV0016-01-41-101001
2 10473	2 ~~1425~~ 1434 TE	
3 10531	3 ~~1427~~ 1434 TE	
4 8988	4 1436	
5 9067	5 1437	
6 8703	6 1439	
7 9898	7 1440	
8 10133	8 1443	
9 8782	9 1445	
10 9419	10 1446	
11 9717	11 1449	VV0016-11-41-101001 / VV0016-11-42-101001
12 9903	12 1451	
13 9239	13 1453	
14 9491	14 1455	
15 10119	15 1456	
16 10239	16 1459	
17 10511	17 1501	
18 10023	18 1503	
19 10373	19 1504	
20 10224	20 1506	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0017

Date: 10-1-2010

START Team Member (who completed this form): P. Walsh

Additional START Team Members: C. Schneider

LUDLUM Instrument #: 163687

Detector #: PR112840

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 11595	1 1010	VV0017-01-41-101001
2 11783	2 1013	
3 11800	3 1015	
4 12117	4 1017	
5 12022	5 1019	
6 11700	6 1022	
7 11581	7 1023	
8 11128	8 1025	
9 11871	9 1028	
10 11743	10 1030	
11 11617	11 1032	VV0017-11-41-101001
12 11556	12 1034	
13 11477	13 1036	
14 10801	14 1038	
15 10946	15 1041	
16 11332	16 1043	
17 11407	17 1045	
18 11251	18 1047	
19 11629	19 1049	
20 11416	20 1051	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0038
Date: 9/30/10
START Team Member (who completed this form): T. Evans
Additional START Team Members: O. Gursen
LUDLUM Instrument #: 157837
Detector #: PR158642

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 9992	1 1648	VV0038-01-41-100930
2 8966	2 1650	
3 9488	3 1651	
4 10798	4 1653	
5 10974	5 1657	
6 10589	6 1659	
7 9758	7 1700	
8 9555	8 1702	
9 8626	9 1703	
10 10127	10 1705	
11 9720	11 1707	VV0038-11-41-100930
12 9799	12 1709	
13 9646	13 1711	
14 10138	14 1713	
15 10694	15 1714	
16 10767	16 1716	
17 9661	17 1718	
18 10093	18 1720	
19 9140	19 1721	
20 8806	20 1723	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0040
Date: 9/28/10
START Team Member (who completed this form): O. GARREN
Additional START Team Members: T. EVANS
LUDLUM Instrument #: 157037
Detector #: PR150642

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 11016	1 1736	VV0040-01-41-100928
2 10806	2 1737	
3 9859	3 1739	
4 10843	4 1741	
5 10585	5 1744	
6 10410	6 1746	
7 10786	7 1747	
8 10626	8 1749	
9 9511	9 1751	
10 9943	10 1753	
11 9412	11 1754	VV0040-11-41-100928
12 10338	12 1757	
13 11621	13 1758	
14 10210	14 1800	
15 10349	15 1802	
16 9991	16 1804	
17 9727	17 1806	
18 11622	18 1807	
19 10838	19 1809	
20 11489	20 1811	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0041
Date: 9/29/10
START Team Member (who completed this form): O. GARREN
Additional START Team Members: T. EVANS
LUDLUM Instrument #: 157037
Detector #: PR150642

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 10386	1 1431	VV0041-01-41-100929
2 10363	2 1433	
3 9160	3 1435	
4 9908	4 1437	
5 9991	5 1440	
6 10098	6 1441	
7 10168	7 1443	
8 10552	8 1444	
9 10438	9 1446	
10 10488	10 1448	
11 9981	11 1450	VV0041-11-41-100929
12 9993	12 1452	
13 9621	13 1453	
14 9265	14 1455	
15 10270	15 1457	
16 9926	16 1459	
17 10203	17 1501	
18 10126	18 1502	
19 10229	19 1504	
20 10156	20 1506	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0043

Date: 10/16/01

START Team Member (who completed this form): G. Westerfield

Additional START Team Members: T. Evans

LUDLUM Instrument #: 157037

Detector #: PR 150642

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 10290	1 1438	VV0043-01-51-101016, VV0043-01-01-101016
2 9927	2 1440	
3 10086	3 1443	
4 10205	4 1445	
5 10317	5 1448	
6 10583	6 1450	
7 9996	7 1453	
8 9935	8 1455	
9 10609	9 1458	
10 10850	10 1500	
11 10725	11 1503	~~VV0043-01-01-101016~~ TE, VV0043-11-51, 101016
12 10984	12 1506	
13 11152	13 1508	
14 10926	14 1510	
15 10811	15 1512	
16 10333	16 1514	
17 10561	17 1516	
18 10236	18 1518	
19 9997	19 1521	
20 10197	20 1523	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0059
Date: 10/9/2010
START Team Member (who completed this form): S. Cheek
Additional START Team Members: T. Evans
LUDLUM Instrument #: 159037
Detector #: DR 150642

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

	1-Minute Readings (Total Counts)	Time of Reading	
1	9535	1453	~~BV~~ an VV0059-01-51-101009
2	10524	1457	
3	10284	1459	
4	10425	1501	
5	10604	1503	
6	10124	1510	
7	9816	1513	
8	9600	1515	
9	9644	1517	
10	11341	1520	VV0059-01-51-101009
11	10144 (last)	1551	
12	9713	1549	
13	10880	1546	SOL
14	11535	1522	
15	10716	1524	
16	10698	1526	
17	9994	1528	
18	9853	1530	
19	9325	15~~4~~3 6	
20	10537	15~~4~~3 5	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0061
Date: 10/2/10
START Team Member (who completed this form): T. EVANS
Additional START Team Members: O. GARREN
LUDLUM Instrument #: 157037
Detector #: PR150642

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 11895	1 1113	VV0061-01-41-101002
2 11843	2 1114	
3 11671	3 1116	
4 10337	4 1118	
5 9884	5 1119	
6 10538	6 1121	
7 10123	7 1123	
8 9958	8 1125	
9 9320	9 1126	
10 10108	10 1128	
11 9664	11 1130	VV0061-11-41-101002
12 9822	12 1132	
13 10669	13 1133	
14 10843	14 1135	
15 10962	15 1136	
16 10950	16 1138	
17 10731	17 1140	
18 10827	18 1141	
19 10690	19 1143	
20 11045	20 1144	

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property Assessment ID: VV0182
Date: 9/30/10
START Team Member (who completed this form): T. EVANS
Additional START Team Members: O. GARREN
LUDLUM Instrument #: 157037
Detector #: PR150642

SCALER READINGS FORM

(Twenty 1-Minute Readings with Ludlum 2221)

*Obtain readings (scaler mode) at 20 evenly spaced locations in yard

1-Minute Readings (Total Counts)	Time of Reading	
1 10188	1 1157	VV0182-01-41-100930
2 9156	2 1158	
3 9472	3 1200	
4 9666	4 1203	
5 9727	5 1204	
6 9950	6 1206	
7 10416	7 1208	
8 10055	8 1210	
9 9617	9 1212	
10 10194	10 1214	
11 9933	11 1216	VV0182-11-41-100930
12 10391	12 1218	
13 10453	13 1219	
14 10708	14 1221	
15 10717	15 1223	
16 10637	16 1224	
17 10594	17 1226	
18 10680	18 1227	
19 10624	19 1229	
20 10742	20 1231	

CHAIN OF CUSTODY RECORD

NATIONAL AIR AND RADIATION ENVIRONMENTAL LABORATORY

540 South Morris Ave.
Montgomery, AL
36115-2601
(334) 270-3400
Fax (334) 270-3454

Shipping Container #

Project Name: Huc

Project Manager: Sri Appaji Phone #

Sampling Team Members: Sri Appaji, EPA; Angelo Ortalli, NMED

Requested Completion Date

Notify Project Manager Upon Receipt? ☐ Yes ☐ No

For Laboratory Use Only

Comments:

Sample Description	Date	Time	Matrix	# of CONTAINERS	ANALYSIS REQUESTED								Comments (Ludlum HC CPM)	Lab Sample ID
FIA 1-1	8/3/11	1630	Soil	1									2,000	
FIA 1-2	↓	1635	↓	1									2,000	
FIA 2-1	↓	1330	↓	1									2,000	
FIA 2-2	↓	1345	↓	1									2,000	
~~FIA 2-3~~													~~AEO~~	
FIA 3-1	8/3/11	1400	Soil	1									2,200	
FIA 3-2	↓	1355	↓	1									1,800	
~~FIA 3-3~~													~~AEO~~	
BK2-1	8/3/11	1820	Soil	1									1,800	
BK2-2	↓	1825	↓	1									2,000	

1) Sampled By: Date/Time	2) Received By: Date/Time	Sample Shipped via ☐ FedEx ☐ UPS ☐ Hand ☐ Other	Internal Container Temperature ____ °C
3) Relinquished By: Date/Time	4) Received By: Date/Time		
5) Relinquished By: Date/Time	6) Received By: Date/Time	Custody Seal Present? ☐Y ☐N	Page ____ of ____
Samples Disposed By: Date/Time	Disposal Method:	Custody Seal Intact? ☐Y ☐N	

Distribution: White and Yellow Copies accompany sample to laboratory. Pink copy is retained by Samplers. Please use a separate form for each container.

CHAIN OF CUSTODY RECORD

NATIONAL AIR AND RADIATION ENVIRONMENTAL LABORATORY

540 South Morris Ave.
Montgomery, AL
36115-2601
(334) 270-3400
Fax (334) 270-3454

Shipping Container #

Project Name: HUC

Project Manager: Sai Appaji Phone #

Sampling Team Members: Sai Appaji, EPA
Angelo Ortelli, NNEM

Requested Completion Date

Notify Project Manager Upon Receipt? ☐ Yes ☐ No

ANALYSIS REQUESTED

For Laboratory Use Only

Comments:

Sample Description	Date	Time	Matrix	# of CONTAINERS									Comments (Ludlum HC CPM)	Lab Sample ID
BK2-3	8/3/11	1830	Soil	1									1,800	
BK2-4	↓	1835	↓	1									2,000	
BK2-5	↓	1840	↓	1									2,000	
BK2-6	↓	1845	↓	1									2,000	
BK1-1	8/3/11	1905	↓	1									1,800	
BK1-2	↓	1910	↓	1									1,800	
BK1-3	↓	1915	↓	1									2,000	
BK1-4	↓	1920	↓	1									1,900	
BK1-5	↓	1925	↓	1									2,000	
BK1-6	↓	1930	↓	1									1,800	

1) Sampled By:	Date/Time	2) Received By:	Date/Time
3) Relinquished By:	Date/Time	4) Received By:	Date/Time
5) Relinquished By:	Date/Time	6) Received By:	Date/Time
Samples Disposed By:	Date/Time	Disposal Method:	

Sample Shipped via ☐ FedEx ☐ UPS ☐ Hand ☐ Other

Internal Container Temperature ____ °C

Custody Seal Present? ☐Y ☐N

Custody Seal Intact? ☐Y ☐N

Page ____ of ____

Distribution: White and Yellow Copies accompany sample to laboratory. Pink copy is retained by Samplers. Please use a separate form for each container.

CHAIN OF CUSTODY RECORD

NATIONAL AIR AND RADIATION ENVIRONMENTAL LABORATORY

540 South Morris Ave.
Montgomery, AL
36115-2601
(334) 270-3400
Fax (334) 270-3454

Shipping Container #

Project Name: Huc

Project Manager: Sai Appaji Phone #

Sampling Team Members: Sai Appaji, Angelo Ortalli

Requested Completion Date

Notify Project Manager Upon Receipt? ☐ Yes ☐ No

ANALYSIS REQUESTED

For Laboratory Use Only

Comments:

Sample Description	Date	Time	Matrix	# of CONTAINERS									OPM Comments	Lab Sample ID
P1-1	8/3/11	1630	Soil	1									1,600	
P1-2		1620		1									1,700	
P1-3		1605		1									2,100	
P1-4		1705		1									2,000	
P1-5		1645		1									1,800	
P1-6		1640		1									1,600	
P2-1	8/3/11	1520	Soil	1									2,000	
P2-2		1535		1									2,000	
P2-3		1545		1									1,800	
P2-4		~~1600~~	1550	1									~~1,600~~ AEN 1,800	

1) Sampled By:	Date/Time	2) Received By:	Date/Time
3) Relinquished By:	Date/Time	4) Received By:	Date/Time
5) Relinquished By:	Date/Time	6) Received By:	Date/Time
Samples Disposed By:	Date/Time	Disposal Method:	

Sample Shipped via ☐ FedEx ☐ UPS ☐ Hand ☐ Other

Internal Container Temperature ____ °C

Custody Seal Present? ☐Y ☐N

Custody Seal Intact? ☐Y ☐N

Page ____ of ____

Distribution: White and Yellow Copies accompany sample to laboratory. Pink copy is retained by Samplers. Please use a separate form for each container.

NAREL/FORM-1 Revision 3 02/10/07

CHAIN OF CUSTODY RECORD

NATIONAL AIR AND RADIATION ENVIRONMENTAL LABORATORY

540 South Morris Ave.
Montgomery, AL
36115-2601
(334) 270-3400
Fax (334) 270-3454

Shipping Container #

Project Name: HUC

Project Manager: Sai Appaji Phone #

Sampling Team Members: Sai Appaji, Angelo Ortelli

Requested Completion Date

Notify Project Manager Upon Receipt? ☐ Yes ☐ No

ANALYSIS REQUESTED

For Laboratory Use Only

Comments:

Sample Description	Date	Time	Matrix	# of CONTAINERS									CPM Comments	Lab Sample ID
P2-5	8/3/11	1600	Soil	1									2,000	
P2-6	↓	1610	↓	1									1,700	
P1-6D	8/3/11	1612	Soil	1									1,600	
P2-6D	↓	1612	↓	1									1,700	
FMS-02	8/4/11	0925												
FMS-07		1115												
FMS-01		0905												
FMS-11	↓	1225												

1) Sampled By:	Date/Time	2) Received By:	Date/Time
3) Relinquished By:	Date/Time	4) Received By:	Date/Time
5) Relinquished By:	Date/Time	6) Received By:	Date/Time
Samples Disposed By:	Date/Time	Disposal Method:	

Sample Shipped via: ☐ FedEx ☐ UPS ☐ Hand ☐ Other

Custody Seal Present? ☐Y ☐N

Custody Seal Intact? ☐Y ☐N

Internal Container Temperature ____ °C

Page ____ of ____

Distribution: White and Yellow Copies accompany sample to laboratory. Pink copy is retained by Samplers. Please use a separate form for each container.

CHAIN OF CUSTODY RECORD

NATIONAL AIR AND RADIATION ENVIRONMENTAL LABORATORY

540 South Morris Ave.
Montgomery, AL
36115-2601
(334) 270-3400
Fax (334) 270-3454

Shipping Container #

Project Name: Homestake Site

Project Manager: Sai Appaji Phone #

Sampling Team Members:
Sai Appaji
Angelo Ortelli

Requested Completion Date

Notify Project Manager Upon Receipt? ☐ Yes ☐ No

ANALYSIS REQUESTED

For Laboratory Use Only

Comments:

Sample Description	Date	Time	Matrix	# of CONTAINERS								Comments CPM - Ludlum 14c	Lab Sample ID
Run 3C	8/2/11	1545	Soil	1								1,300	
Run 3D	8/3/11	1015		1								1,800	
Run 3D-D	8/3/11	1017		1								1,800	
Run 3E	8/3/11	1025		1								1,600	
Run 3F	8/3/11	1030		1								1,700	
EP1-1	8/3/11	1050		1								1,800	
EP1-2	8/3/11	1105		1								2,000	
Run 10F-D	8/2/11	1114	Soil	1								2,900	

1) Sampled By:	Date/Time	2) Received By:	Date/Time
3) Relinquished By:	Date/Time	4) Received By:	Date/Time
5) Relinquished By:	Date/Time	6) Received By:	Date/Time
Samples Disposed By:	Date/Time	Disposal Method:	

Sample Shipped via ☐ FedEx ☐ UPS ☐ Hand ☐ Other

Custody Seal Present? ☐Y ☐N

Custody Seal Intact? ☐Y ☐N

Internal Container Temperature ____ °C

Page ____ of ____

Distribution: White and Yellow Copies accompany sample to laboratory. Pink copy is retained by Samplers. Please use a separate form for each container.

NAREL/FORM-1 Revision 3 02/10/07

CHAIN OF CUSTODY RECORD

NATIONAL AIR AND RADIATION ENVIRONMENTAL LABORATORY

540 South Morris Ave.
Montgomery, AL
36115-2601
(334) 270-3400
Fax (334) 270-3454

Shipping Container #

Project Name: Homestake Site

Project Manager: Sai Appaji Phone #

Sampling Team Members
Sai Appaji
Angelo Ostelli

Requested Completion Date

Notify Project Manager Upon Receipt? ☑ Yes ☐ No

For Laboratory Use Only

Comments:

Sample Description	Date	Time	Matrix	# of CONTAINERS	ANALYSIS REQUESTED								Comments CPM-Cullum 14c	Lab Sample ID
Run 10A	8/2/11	10:35	Soil	1									2,500	
10B	8/2/11	10:40	Soil	1									3,000	
10C	8/2/11	10:50	Soil	1									3,000	
10D	8/2/11	10:57	Soil	1									2,000	
10E	8/2/11	11:05	Soil	1									3,000	
10F	8/2/11	11:12	Soil	1									2,900	
6A	8/2/11	13:50	Soil	1									1,200	
6B	8/2/11	14:00	Soil	1									1,500	
6C	8/2/11	14:10	Soil	1									1,400	
6D	8/2/11	14:15	Soil	1									1,200	

1) Sampled By: Date/Time	2) Received By: Date/Time	Sample Shipped via ☐ FedEx ☐ UPS ☐ Hand ☐ Other	Internal Container Temperature ____ °C
3) Relinquished By: Date/Time	4) Received By: Date/Time		
5) Relinquished By: Date/Time	6) Received By: Date/Time	Custody Seal Present? ☐Y ☐N	Page ____ of ____
Samples Disposed By: Date/Time	Disposal Method:	Custody Seal Intact? ☐Y ☐N	

Distribution: White and Yellow Copies accompany sample to laboratory. Pink copy is retained by Samplers. Please use a separate form for each container.

CHAIN OF CUSTODY RECORD

NATIONAL AIR AND RADIATION ENVIRONMENTAL LABORATORY

540 South Morris Ave.
Montgomery, AL
36115-2601
(334) 270-3400
Fax (334) 270-3454

Shipping Container #

Project Name: Homestake Site

Project Manager: Sai Appaji Phone #

Sampling Team Members
Sai Appaji
Angelo Ortelli

Requested Completion Date

Notify Project Manager Upon Receipt? ☐ Yes ☐ No

For Laboratory Use Only

Comments:

Sample Description	Date	Time	Matrix	# of CONTAINERS	ANALYSIS REQUESTED								CPM - Radium 14C Comments	Lab Sample ID
RUN-6E	8/2/11	1425	Soil	1									1,400	
" 6F	8/2/11	1435	Soil	1									1,300	
" 4A	8/2/11	1515	Soil	1									1,200	
4B	8/2/11	1510	Soil	1									1,200	
4C	8/2/11	1503	Soil	1									1,400	
4D	8/2/11	1459	Soil	1									1,600	
4E	8/2/11	1455	Soil	1									1,200	
4F	8/2/11	1448	Soil	1									1,200	
3A	8/2/11	1526	Soil	1									1,300	
3B	8/2/11	1537	Soil										1,200	

1) Sampled By:	Date/Time	2) Received By:	Date/Time
3) Relinquished By:	Date/Time	4) Received By:	Date/Time
5) Relinquished By:	Date/Time	6) Received By:	Date/Time
Samples Disposed By:	Date/Time	Disposal Method:	

Sample Shipped via
☐ FedEx ☐ UPS ☐ Hand ☐ Other

Custody Seal Present? ☐Y ☐N

Custody Seal Intact? ☐Y ☐N

Internal Container Temperature _____ °C

Page _____ of _____

Distribution: White and Yellow Copies accompany sample to laboratory. Pink copy is retained by Samplers. Please use a separate form for each container.

NAREL/FORM-1 Revision 3 02/10/07

Murray Acres

MA0005

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 7-19-10

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: Owner

Physical property location: (b) (6) [redacted]

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted] cell

White – EPA | Yellow – EPA Project File | Pink – Property Owner

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

Property ID: MA0005

CONSENT FOR ACCESS TO PROPERTY TO CONDUCT RESPONSE ACTIONS

Name of Owner: (b) (6) [redacted]
Address/Description of Property: [redacted]
Mailing Address If Different: _____

- I consent to officers, employees, contractors, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to my property to conduct response actions as deemed necessary by EPA to address the release or threatened release of a hazardous substance at or around the Property, including installation of radon abatement systems, to be explained to me/us prior to taking the actions.
- I recognize that these actions by the EPA are undertaken in accordance with its response and enforcement authorities contained in the Comprehensive Environmental Response, Compensation, and Liability Act (ACERCLA@), 42 U.S.C. ' 9601 *et seq.*
- I am the property owner, or a responsible agent of the property owner, and I warrant that I have the authority to enter into this access agreement. This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

(b) (6) [redacted]
Signature

Date 5-19-12

Title

Phone Number (b) (6) [redacted]

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

Property ID: _____

DECLINE RESPONSE ACTIONS

I understand that EPA has found elevated levels of radon inside my home and has determined that the indoor radon level present a health risk. However, I decline EPA's offer to conduct activities to remediate this threat.

_____ _____

Signature **Date**

_____ _____

Title **Phone Number**

Analytical Results

Place a check mark in the appropriate space. Please note that if no selection is made, EPA will assume that you do not wish to be provided with the report or sample.

( )Please provide me with a copy of the analytical results for my property.
( )Send results to :_____

( )I do not wish to receive a copy of the analytical results for my property.

~~MA0186~~ MA0021

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including add (b) (6) [redacted]

1.5 acres)

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 7-23-10

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: co-owner

Physical property location: (b) (6) [redacted]

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted] (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

~~MAQ173~~ MA0022

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

RECEIVED
10 AUG -5 AM 2:43
SUPERFUND BRANCH

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 8-7-10

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: owner

Physical property location: same as above

Mailing Address: (b) (6) [redacted]

Phone Number: [redacted]

White – EPA | Yellow – EPA Project File | Pink – Property Owner

MADQ2[redacted]4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted] / 16180 mobile home

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 7/15/2010

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: OWNER

Physical property location: (b) (6) [redacted]

Mailing Address: (b) (6) [redacted]

Phone Number:

White – EPA | Yellow – EPA Project File | Pink – Property Owner

~~MA0169~~ MA0025

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

CONSENT FOR ACCESS TO PROPERTY

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted] (on map)

United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Consent for Entry and Access to Property

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency ("EPA"), entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntarily with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement.

Date: April 26, 2010

Signature: (b) (6) [redacted]

Print Name: [redacted]

Relationship to property: Owner

Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

Property ID: MAX826
Longitude:
Latitude:
Type:

CONSENT FOR ACCESS TO PROPERTY

Name of Owner: (b) (6) [redacted]
Address/Description of Property: (b) (6) [redacted]

Mailing Address If Different: (b) (6) [redacted]

I consent to officers, employees, contractors, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to my property for taking of such soil, water, air samples, and other media (i.e. video taping of the structures) as may be determined by EPA to be necessary.

I recognize that these actions by the EPA are undertaken in accordance with its response and enforcement authorities contained in the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. § 9601 *et seq.*

I am the property owner, or a responsible agent of the property owner, and I warrant that I have the authority to enter into this access agreement. This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

11/7/12
Date

(b) (6) [redacted]

Title

(b) (6) [redacted]
Phone Number

Analytical Results

Place a check mark in the appropriate space. Please note that if no selection is made, EPA will assume that you do not wish to be provided with the report or sample.

( )Please provide me with a copy of the analytical results for my property.
( )Send results to :

( )I do not wish to receive a copy of the analytical results for my property.

Please indicate if you are allowing access and your decision about sharing your results:

( )Yes, I will allow access and I agree to allow the EPA to share the environmental sampling results with state and local government.

( )Yes, I will allow access. Please do not share these results with other parties.

( )No, I do not want the EPA to have access.

MA00046

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

CONSENT FOR ACCESS TO PROPERTY

Name of property owner: (b) (6) [redacted]

Description of property (including address) (b) (6) [redacted]
(b) (6) [redacted]

United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Consent for Entry and Access to Property

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency ("EPA"), entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntarily with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement.

Date: 4-26-10

Signature: (b) (6) [redacted]

Print Name [redacted]

Relationship to property: Owners

Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

MA0047

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

CONSENT FOR ACCESS TO PROPERTY

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Consent for Entry and Access to Property

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency ("EPA"), entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntarily with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement.

Date: 4-26-10

Signature: (b) (6) [redacted]

Print Name [redacted]

Relationship to property: Owner

Address: (b) (6) [redacted]

Phone Nun (b) (6) [redacted]

MA0048

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

10 acres w/ improvements

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 7-16-10

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: co-owner

Physical property location: (b) (6) [redacted]

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

~~MA 0185~~ MA 0049

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

(b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

(b) (6) [redacted]

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 7/15/10

(b) (6) [redacted]

Signature:

Print name:

Relationship to property: owners

(b) (6) [redacted]

Physical property location:

Mailing Address: above

(b) (6) [redacted]

Phone Number:

White – EPA | Yellow – EPA Project File | Pink – Property Owner

~~MA0192~~ MA0051

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

RECEIVED
10 AUG -9 PM 2:42
SUPERFUND DIV.
PROJECT MGR.

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address):
(b) (6) [redacted]

(b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 8/3/10.

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: Owner.

Physical property location: See above

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

MA0090

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

(b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 16 July 2010

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: owner

Physical property location: (b) (6) [redacted]

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

MA0091

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

RECEIVED
10 AUG -5 AM 2:43
SUPERFUND ENV. DIRECTOR'S OFF.

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

(b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: Aug 1 2010

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: Owners

Physical property location: (b) (6) [redacted]

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted] will be die x Cell (b) (6) [redacted] x Cell (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

MA 0163

MA0094

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

RECEIVED
10 AUG -5 AM 2:43
SUPERFUND DIV.
DALLAS, TX

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and with (b) (6) [redacted] promises of any kind.

I hereby warrant that I have authority to make this access agreement:

next door to [redacted] mother?]

Date: 8-1-10

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: owner

Physical property location: (b) (6) [redacted]

Mailing Address: [redacted]

Phone Number: (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

MA0164

MA0097

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

RECEIVED
10 AUG -9 PM 2:43
SUPERFUND ENV. DIRECTOR'S OFC.

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

(b) (6) [redacted]

c/o Stephen Harper
United States Environmental Protection Agency (b) (6) [redacted]
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 8-07-10

Signature: (b) (6) [redacted]

Print name [redacted]

Relationship to property: Owner

Physical property location:

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

MA0165 MA0098

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: July 21, 2010

Signature: (b) (6) [redacted]

Print name [redacted]

Relationship to property: Owner

Physical property location: (b) (6) [redacted]

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

~~MA0166~~ MA0099

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

(5 acres/Home lot)

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: July 14, 2010

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: Owner

Physical property location: (b) (6) [redacted]

Mailing Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

MA 0100

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

RECEIVED
10 AUG -9 PM 2:43
SUPERFUND ENV. DIRECTORS D.C.

CONSENT FOR ACCESS TO PROPERTY
HOMESTAKE MINING COMPANY SUPERFUND SITE

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

(b) (6) [redacted]

Sairam Appaji
c/o Stephen Harper
United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200 (6SF-VO)
Dallas, Texas 75202-2733

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency (EPA) entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from the garden; and
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I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntary with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement:

Date: 8-1-2010

Signature: (b) (6) [redacted]

Print name: [redacted]

Relationship to property: OWNER

Physical property location: (b) (6) [redacted]

Mailing Address: [redacted]

Phone Number: (b) (6) [redacted]

White – EPA Yellow – EPA Project File Pink – Property Owner

MA0167 MA0101

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

CONSENT FOR ACCESS TO PROPERTY

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

(b) (6) [redacted]

United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Consent for Entry and Access to Property

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency ("EPA"), entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntarily with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement.

Date: April 26, 2010

(b) (6)

Signature: [redacted]

Print Nam

Relationship to property: Owner

(b) (6)

Address: [redacted]

(b) (6)

Phone Number: [redacted]

~~MA0172~~ MA0134 ✓

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

CONSENT FOR ACCESS TO PROPERTY

Name of property owner: (b) (6) [redacted]

Description of property (including address): (b) (6) [redacted]

(b) (6) [redacted]

United States Environmental Protection Agency Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Consent for Entry and Access to Property

I hereby consent to officers, employees and parties authorized by the United States Environmental Protection Agency ("EPA"), entering and having continued access to the property described above at reasonable times for the following purposes:

1. Conducting a radiological and radon survey;
2. Taking water and air samples inside and outside as needed;
3. Taking surface and subsurface soil samples from the yard;
4. Taking vegetation samples from garden; and
5. Other investigative actions at the property as may be necessary to determine the nature and extent of potential threat to human health and the environment.

I realize that these actions are undertaken pursuant to EPA's response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. Sections 9601-9675.

This written permission is given by me voluntarily with the knowledge of my right to refuse and without threats or promises of any kind.

I hereby warrant that I have authority to make this access agreement.

Date: 4-26-10

Signature: (b) (6) [redacted]

Print Name [redacted]

Relationship to property: Owner

Address: (b) (6) [redacted]

Phone Number: (b) (6) [redacted]

FIELD SAMPLING PLAN

Homestake Mining Company Superfund Site
Grants, New Mexico

Prepared August 2010

Prepared for EPA Region Six

Prepared by USACE Kansas City District
Hazardous, Toxic, and Radioactive Waste Program
Radiation Safety Support Team

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1.0 Project Background

The purpose of this survey and sample investigation is to acquire the data necessary to perform a Human Health Risk Assessment (HHRA) to address community concerns related to the Homestake Uranium Mine. This survey and sampling effort will be performed by the US Army Corps of Engineers (USACE) Kansas City District.

Residents live across the road from the Homestake Mining Co at a distance of approximately 0.5 miles from the current on-site groundwater remediation project. The public is concerned that they are being exposed to unacceptable levels of radioactive contaminants through the inhalation and ingestion routes of intake. They alleged that the contaminants are transported into their homes through the spray mist from the evaporation ponds associated with the ground water remediation activities, through emissions from the tailing piles, through emissions from the land application, and through their use of contaminated ground water for domestic uses (such as cooking, showering, washing, etc.). They also showed concern from consumption of produce in areas irrigated with contaminated ground water and consumption of livestock meat exposed to ground water in the area.

To address public concerns, soil samples from yards and fields, garden vegetables (root and above ground vegetables), hay or grass grown in grazing fields, water from garden hoses, water from bins used for livestock, indoor and outdoor radon gas samples, soil samples from center pivot irrigated areas and flood irrigated areas need to be collected. Sample collection will be performed in three Phases, which are discussed in more detail in the following sections. The data will then be used to develop a screening Human Health Risk Assessment. The objectives of the assessment are to characterize and quantify where appropriate, the current and potential human health risks that would prevail if no further action is taken.

1.1 Site History and Contaminants

The Homestake Mining Company uranium mill opened in 1958 and is located 5.5 miles north of the Village of Milan in northwest New Mexico.

In 1958, milling operations began at Homestake's mill site. The operations involved the use of an alkaline leach-caustic precipitation process to extract and concentrate uranium oxide from uranium ores. The byproducts (waste) were either disposed above ground in the two tailings impoundments or recycled back into the milling process. For approximately 30 years, Homestake milled uranium at the site.

Homestake began a state-approved groundwater restoration program in 1977. The program consists of a groundwater collection/injection system for the San Mateo alluvial aquifer and the Upper and Middle Chinle aquifers. The objective is to reduce contaminant concentrations down to background concentrations.

In September 1983, USEPA placed the Homestake site on the National Priorities List (NPL), primarily because of groundwater contamination. Further investigations at the site identified groundwater contamination in on-site monitoring wells and some residential wells. Homestake

and the USEPA signed a consent decree in December 1983. The decree required Homestake to provide an alternate water supply to nearby residences and to pay for water usage for 10 years. The alternate water supply connections to residences were completed in April 1985, with Homestake paying for water usage until 1995. The soil cleanup and mill reclamation activities were completed in 1995 and approved by the NRC in 1999.

In 1990, the mill closed and was decommissioned and demolished. During 1993–1995, the Nuclear Regulatory Commission (NRC) supervised surface reclamation activities at the site. Although the mill is gone, two tailings piles remain. The tailings piles are the result of waste products generated from the milling of uranium. The larger pile covers approximately 175 acres and is approximately 100 feet high; the smaller pile covers 40 acres and is 25 feet high.

In September 2005, the New Mexico Environment Department (NMED) and USEPA conducted a well survey in the residential subdivisions south of the mill site to verify that residents were not being exposed to contaminated well water. These two agencies collected samples from 34 private water supply wells. The samples were analyzed for USEPA's target analyte list of compounds and radionuclides. In November 2005, USEPA Region 6 contacted the Agency for Toxic Substances and Disease Registry (ATSDR) and requested that ATSDR review the results and determine whether a public health hazard exists. Additional sampling was conducted in 2006 and 2007.

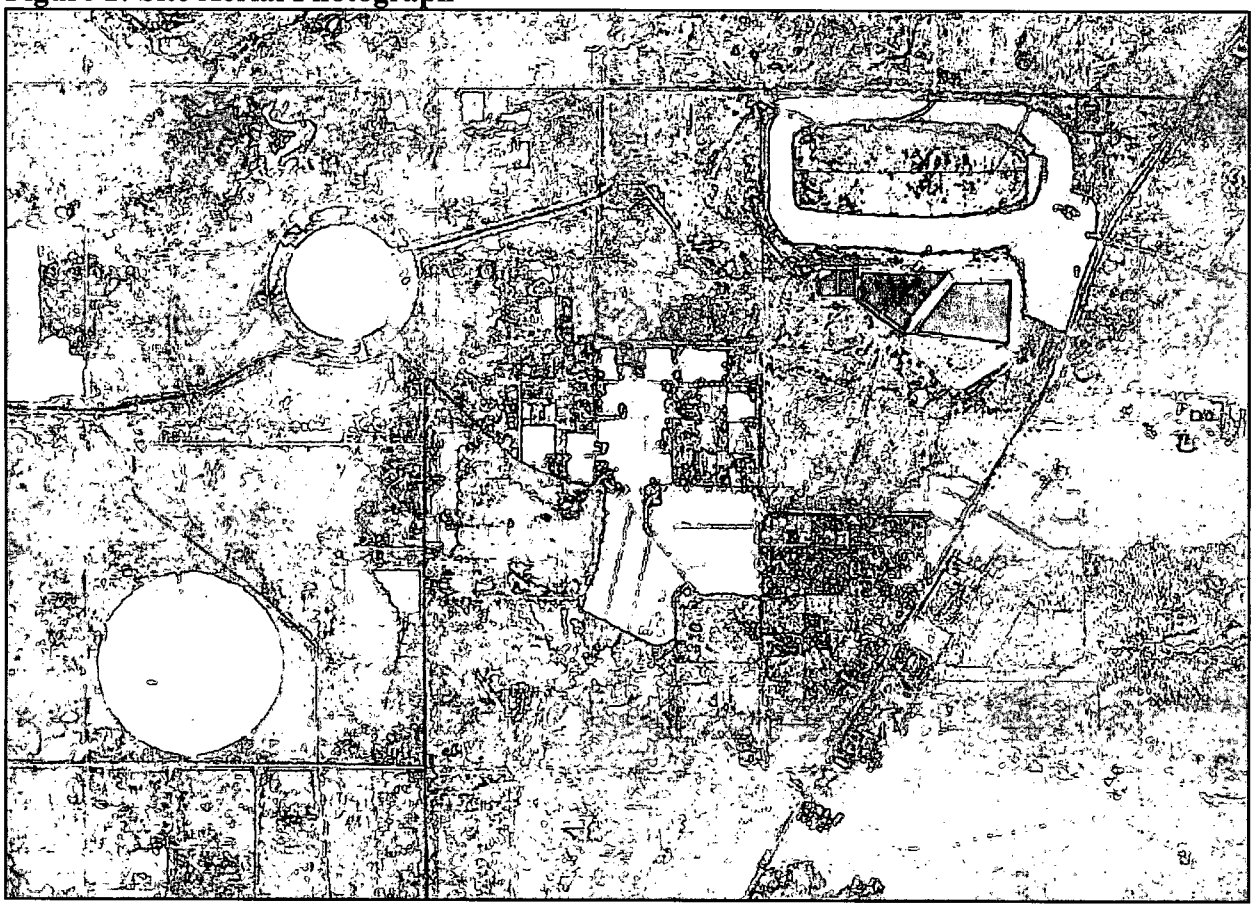
In 2009 ATSDR published a Health Consultation Report based on their review of the water supply well sample data. ATSDR calculated exposure doses for the contaminants above health comparison values and MCLs in well sample results and determined that those being used as a source of potable water were not at levels that would produce known adverse health effects. The report did identify a few wells that have uranium concentrations well above the background concentration that were not being used and recommended that they should not be used.

1.2 Site Description

1.2.1 Location

The Homestake Mining Company Site is located approximately 5.5 miles north of Milan, in Cibola County, New Mexico. The site has two tailings piles, a groundwater treatment facility, and two existing evaporation ponds. The large tailings pile is unlined, covers approximately 175 acres, is 95-100 feet tall, and contains approximately 20 million tons of tails. The small tailings pile is also unlined and covers approximately 40 acres, is 25 feet tall, and contains approximately 2 million tons of tails. The tailings piles overlie an alluvial groundwater aquifer, into which contaminants from the piles have migrated

Figure 1: Site Aerial Photograph



1.2.2 Hydrogeology

The tailings piles are located on alluvium, which is unconsolidated soil or sediment deposited by a river or other flowing water. The alluvium overlies the Chinle and San Andres aquifers, which subcrop with the alluvial aquifer at various locations near Homestake. Radioactive and nonradioactive contaminants within the tailings piles have leached and seeped downward through the soils, beneath the tailing piles into the groundwater. Mixing to some extent between the different aquifers does take place naturally via faulting and subcropping.

There are two faults, the East Fault and the West Fault, that exist within the Chinle and these alter the groundwater flow direction. Between the East and West Faults (underlying most of the Homestake site), flow is south to north, while west of the West Fault and east of the East Fault, Middle Chinle groundwater flow is north to south. All three Chinle aquifers subcrop with the overlying alluvial aquifer. In the areas where the Chinle subcrops with the alluvium, the area has been defined as a Chinle mixing zone (Hydro-Engineering 2001). The majority of the Upper Chinle mixing zone in the vicinity of the Homestake site occurs between the East and West Faults.

Groundwater monitoring data indicate that contamination from tailings seepage at the mill site has potentially affected the San Mateo alluvial aquifer and the Upper, Middle, and Lower Chinle aquifers. The San Mateo alluvial aquifer is the primary aquifer of concern because it is the most contaminated, and it recharges the Chinle aquifers, which nearby residents have used as a source of drinking water.

1.2.3 Population

Five residential subdivisions are located south and southwest of the mill site: Felice Acres, Broadview Acres, Murray Acres, Valle Verde, and Pleasant Valley Estates, along with a few residences located near the Pleasant Valley Estates. Within the subdivisions and farther south and west, the land is used for agriculture and livestock. The subdivisions are located between 0.5 mile to 2 miles from the tailings piles, with the nearest residence and drinking water well about 3,000 feet away. The private well sample results are from the above five subdivisions and several residences east of State Route 605 that are located southeast of the mill site.

1.3 Contaminants of Potential Concern

1.3.1 Radionuclides

1.3.1.1 Uranium

Natural uranium consists of three major isotopes: uranium-238 (99.28% natural abundance), uranium-235 (0.71%), and uranium-234 (0.0054%). All three are radioactive, emitting alpha rays. Uranium-238 is the most stable isotope, with a half-life of 4.468×10^9 years. Uranium-235 has a half-life of 7.13×10^8 years, and uranium-234 has a half-life of 2.48×10^5 years. In natural uranium, about 49% of the alpha rays are emitted by each of 238U and 234U and about 2% by the 235U.

Normal functioning of the kidney, brain, liver, heart, and other systems can be potentially affected by uranium exposure, because, besides being weakly radioactive, uranium is a toxic metal. Uranium is also a reproductive toxicant. Radiological effects are generally local because alpha radiation, the primary form of U-238 decay, has a very short range, and will not penetrate skin.

1.3.1.2 Radium

Radium is a decay product of uranium and is therefore found in all uranium-bearing ores. The various isotopes of radium originate from the radioactive decay of uranium or thorium. Radium-226 is found in the uranium-238 decay series, and radium-228 and -224 are found in the thorium-232 decay series.

Radium-226, the most common isotope, is an alpha emitter, with accompanying gamma radiation, and has a half-life of about 1600 years. Radium-228 is principally a beta emitter and has a half-life of 5.76 years. Radium decays to form isotopes of the radioactive gas radon.

1.3.1.3 Thorium

Naturally occurring thorium is composed mainly of one isotope: 232Th. 230Th occurs as the daughter product of 238U decay. Thorium-232 has a half-life of 14 billion (14×10^9) years, and

decays by alpha emission, with accompanying gamma radiation. Thorium-232 is the top of a long decay series that contains key radionuclides such as radium-228, its direct decay product, and radon-220. Two other isotopes of thorium, which can be significant in the environment, are thorium-230 and thorium-228. Both belong to other decay series. They also decay by alpha emission, with accompanying gamma radiation, and have half-lives of 75,400 years and 1.9 years, respectively.

1.3.2 Metals

1.3.2.1 Selenium

Selenium is a naturally occurring, solid element that is widely but unevenly distributed in the earth's crust. Selenium is an essential nutrient for humans and animals. In some parts of the United States, especially in the western states, some soils naturally contain high levels of selenium compounds. Still, no human populations in the United States have been identified with long-term selenium poisoning, including populations in the western part of the country where, as stated, in-soil selenium levels are naturally high. Most of the selenium that enters the body quickly leaves, usually within 24 hours. Some studies have shown that if mildly excessive amounts of selenium are eaten over long periods, brittle hair and deformed nails can develop

1.3.2.2 Molybdenum

Molybdenum does not occur as the free metal in nature, but rather in various oxidation states in minerals. Molybdenum dusts and fumes, as can be generated by mining or metalworking, can be toxic, especially if ingested. Low levels of prolonged exposure can cause irritation to the eyes and skin. Direct inhalation or ingestion of molybdenum and its oxides should be avoided

1.3.2.3 Vanadium

Vanadium is a soft, ductile, silver-gray metal. It has good resistance to corrosion and it is stable against alkalis, sulfuric and hydrochloric acids. Metallic vanadium is not found in nature, but is known to exist in about 65 different minerals. All vanadium compounds should be considered to be toxic.

1.3.2.4 Arsenic

Arsenic is an element that occurs naturally in soil and minerals and is widely distributed in the earth's crust. It may enter the air, land and water from windblown dust and may also enter the water from runoff and leaching. In the environment, arsenic usually bonds with other elements such as oxygen, chlorine, and sulfur. This form of arsenic is known as inorganic arsenic. Arsenic combined with carbon and hydrogen is known as organic arsenic. The organic forms of arsenic are usually less harmful than the inorganic forms.

1.3.2.5 Lead

Like arsenic, lead is a naturally occurring element and is a known toxin. But unlike arsenic, lead is bluish-gray in color and occurs in smaller quantities in the earth's crust. The main target for lead toxicity in both adults and children is the nervous system. Children, however, are more sensitive to the effects of lead than are adults. Low levels of lead exposure can affect children's mental and physical growth.

1.4 Summary of Existing Site Data

1.4.1 Homestake NRC Surveys

Homestake routinely collects and analyzes air samples at the site boundary (for radon and evaporation pond constituents of concern) in accordance with NRC license requirements. In addition Homestake collects soil samples in the irrigated areas and vegetation samples from the irrigated fields to aid in demonstrating the effects of land application. The land application is not regulated by the NRC license.

1.4.2 EPA ERGS Rig Survey

Prior to USACE Phase 2 survey efforts, EPA Region 6 will perform a surface gamma scan using the EPA's ERGS gamma scanning vehicle. More discussion of this survey is detailed in Section 10.

2.0 Project Organization and Responsibilities

2.1 EPA Responsibilities

EPA Region Six will provide project funding and project coordination and guidance for survey efforts.

EPA Region Six will be responsible for securing laboratory services and will serve as the point of contact for laboratory correspondence.

EPA Region Six will acquire access agreements required to complete the sampling and survey effort and for scheduling and coordinating with landowners.

2.2 USACE Responsibilities

USACE Kansas City District will be responsible for developing all project work plans, to include Field Sampling Plan, Health and Safety Plan (HASP) and Quality Assurance Project Plan (QAPP)

USACE Kansas City District will serve as the project health physics support and coordinator of field work to include preparation of plans and preparation of final reports.

USACE Kansas City District will perform the Phase 1 and Phase 2 field work as described in Section 3.2.2.

USACE Kansas City District will be responsible for securing an appropriate analytical laboratory for all samples which will not be sent to the designated EPA laboratory.

USACE Kansas City District will be responsible for acquiring a radiological services contractor to perform follow on survey work to be performed; to include GPS assisted gamma walkover surveys, downhole gamma logging, and soil gas sampling

USACE Kansas City District will review all field and laboratory data to ensure it meets the requirements of this work plan and the associated Quality Assurance Project Plan (QAPP).

USACE Kansas City District will be responsible for communicating and field changes or deviations to EPA Region Six and for documenting any changes or other occurrences as required by this document and the associated QAPP.

3.0 Project Scope and Objectives

The objectives of this field effort are to obtain enough data of sufficient quality to develop a screening Human Health Risk Assessment (HHRA). The parameters of interest include indoor radon levels and the concentrations of radionuclides and other contaminants in local media. Data will be obtained by using real time monitoring instruments during radiological surveys and by collecting soil, water and vegetation samples for laboratory analysis.

The work will be performed in three phases. Phases 1 and 2 will consist of USACE field work as outlined in Section 3.2.2. Phase 3 follow on work, to include GPS assisted gamma walkover surveys of residences and background areas, downhole gamma logging, and soil gas sampling will be performed by a to be determined radiological services contractor and is summarized in Section 10.

3.1 Applicable Regulations/Standards

The uranium mill was in operation from 1958 to 1990 and was originally licensed by the Atomic Energy Commission.

On December 14, 1993, the NRC and the EPA signed a memorandum of understanding (MOU) delineating agency responsibilities in regulating activities at the Homestake Mining Company.

Homestake Mining Company currently meets the NRC emission criteria. However, EPA is conducting this study independently to ensure compliance with CERCLA.

Air and groundwater monitoring is in place to ensure that U. S. Nuclear Regulatory Commission (NRC) standards are being met during the ongoing remedial activities. Homestake routinely collects and analyzes air samples at the site boundary (for radon and evaporation pond constituents of concern) in accordance with NRC license requirements. In addition Homestake collects soil samples in the irrigated areas and vegetation samples from the irrigated fields to aid in demonstrating the effects of land application. The land application is not regulated by the NRC license

3.2 Project Schedule

3.2.1 Document Development

- The Draft Work Plans, to include this document, a Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HSP) will be completed by Kansas City District, USACE on 21 May 2010

- The Final Work plans will be issued on 07 July 2010

- Soil sample results will be compiled and a Letter Report will be prepared to document the survey results for both Phase 1 and Phase 2. Soil samples will be reanalyzed after a 21 day hold to allow for the ingrowths of short lived Radium daughter products, and these results will be used to draft a Final Report.

- A draft Final Status Survey Report will be prepared within 30 days of completion of both Phase 1 and Phase 2 surveys. The draft will be presented to all parties receiving the draft plan for comment. Comments will be requested 30 days after receipt of report.

3.2.2 Field Activities

USACE performed field work in this project will be conducted two phases, one in the summer of 2010 and one in the winter of 2010. A third phase will be performed by a radiological services contractor at a time to be determined.

The USACE field survey team will arrive at the project site in September of 2010 to perform Phase 1 activities. Phase 1 activities will include the following tasks -

Phase 1 Tasks - September 2010
Place indoor alpha track detectors in background homes
Place indoor alpha track detectors in potentially affected area homes
Place outdoor alpha track detectors in identified background areas
Place outdoor alpha track detectors in identified potentially affected areas
Perform home interior radiation survey in potentially affected area homes
Collect home information survey (if mailed prior to Phase 1)
Collect vegetation samples from potentially affected area homes
Collect water samples from background area homes
Collect water samples from potentially affected area homes
Collect systemic soil samples at identified background areas
Collect systemic soil samples at identified potentially affected areas
Collect water samples from evaporation pond area
If discovered, collect water samples from animal water tanks
If discovered, collect wipe samples of spray mist film from the potentially affected area

The field survey team will arrive at the project site in the winter of 2010 to perform Phase 2 activities, which will include the following tasks -

Phase 2 Tasks - Winter 2010
Place indoor charcoal detectors in background homes
Place indoor charcoal detectors in potentially affected area homes
Place outdoor charcoal detectors in identified background areas
Place outdoor charcoal detectors in identified potentially affected areas
Collect judgmental soil samples from Central Pivot area based on results from ERGS survey

A radiological services contractor will be acquired by either the USACE or by EPA Region 6 to perform Phase 3 work. A more detailed discussion of these activities is available in Section 9. Phase 3 activities will consist of the following tasks –

Phase 3 work performed by Radiological Services Contractor - TBD

Perform GPS walkover radiation survey of identified background areas
Perform GPS walkover radiation survey of potentially affected area homes
Collect soil samples based on walkover survey results from potentially affected area homes
Perform residential soil gas survey at identified potentially affected area homes
Perform downhole gamma logging at identified potentially affected area homes

4.0 Field Sampling Plan

4.1 Survey Guidance

Guidance from the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) will be utilized in the design, implementation, and data interpretation for this survey effort.

The MARSSIM process was developed collaboratively by the NRC, EPA, DOE, and U.S. Department of Defense, for use in designing, implementing, and evaluating radiological surveys. This process emphasizes the use of EPA's data quality objectives (DQOs) and data quality assessment processes, along with a sound quality assurance/quality control program. The graded approach concept is also used to ensure that survey efforts are maximized in those areas where there is the highest probability for residual contamination or greatest potential for adverse impacts of contamination. Implementation of this graded approach is incorporated throughout the MARSSIM process.

The MARSSIM process also embodies flexibility to allow adaptation of guidance to be responsive to specific site situations and agency objectives and requirements.

The EPA will also use the same guidance references as used for hazardous chemicals in its investigation on the impact of site specific chemicals and radionuclides on human health and the environment.

4.2 Action Levels

Final action levels for site soil based on excess cancer risk will be developed after the risk assessment is finalized. Action levels based on excess cancer risk based on default exposure values as calculated by EPA's PRG calculator under a residential scenario, which considers exposure through soil ingestion, inhalation, consumption of fruits and vegetables, and external exposure, are as follows -

Soil concentrations in pCi/g associated with excess lifetime cancer risk 1E-04 to 1E-06.

	10^{-4}	10^{-5}	10^{-6}
Uranium-238 + D	74.2	7.42	0.742
Radium-226+D	1.2	0.12	0.012
Radium-226	19.3	1.93	0.193
Radium-228 +D	3	0.3	0.03
Radium-228	26	2.6	0.26
Thorium-238	350	35	3.5

Soil samples will also be screened against the site wide soil criteria to prevent long-term exposure to thorium and radium contaminated material (e.g., soil), with concentrations greater than 5 pCi/g above background. Background soil concentrations will be determined as part of this investigation. As the radionuclides of concern for this site are radium-226 (Ra-226), Ra-228, thorium-230 (Th-230) and Th-232, the soil criteria are the following:

Ra-226 + Ra-228 < 5 pCi/g above background.

Th-230 + Th-232 < 5 pCi/g above background.

For the metals of concern the preliminary remediation goals for residential soil exposure through the ingestion, inhalation, and dermal contact pathways based on national soil screening levels and default exposure parameters are as follows –

Soil concentrations (mg/Kg) associated with cancer and non-cancer risk from exposure to soil through the ingestion, inhalation and dermal contact with soil.

	Cancer Risk (1E-06)	Non-Cancer Risk (HQ = 1)
Arsenic	0.39	
Molybdenum		390
Selenium		390
Lead		150-400
Uranium		230
Vanadium		390

It should be noted that data collected during this investigation are compared to a variety of different action levels in order to make appropriate decisions regarding property classification and to determine what additional measurements or sampling may be required.

For interior and exterior residential building material surveys, an action level of 3 μR/hr above background will be used to indicate areas of potential concern that may require additional investigation.

Action levels for survey instruments will be calculated using MARSSIM methodology, primarily outlined in MARSSIM Chapter Six.

For this survey effort, an action level is defined as the level at which instrument readings indicate small areas of potential concern. It's important to note that a reading that exceeds an instrument action level is not necessarily indicative of the presence of contamination. Rather, it should be considered to represent an area that may warrant further investigation.

The two types of action levels used in this survey will be the Scan Sensitivity, or Minimum Detectable Count Rate (MDCR), and the Critical Level (L_c)

4.2.1 Scan Sensitivity/MDCR

The Scan Sensitivity, or Minimum Detectable Count Rate (MDCR), is the count rate, above background which an instrument can be considered to be able to reliably and routinely detect with a predetermined level of confidence. This level will be set as the investigation level for scanning for this survey. Elevated activity areas identified during scanning will be further investigated and potentially assigned as additional sample locations. Scanning Sensitivity (MDCR) values are dependent on background levels and will be determined in the field using the below calculations from MARSSIM Chapter Six.

$$S_i = d'\sqrt{b_i}$$

S_i= minimum detectable # of net counts in the observation interval.
d'= from Table 6.5 in MARSSIM based on acceptable error rate decisions
b_i = number of background counts in the interval.

For this survey effort a type I error rate of 0.05 and a type II error rate of 0.6 will be used. From MARSSIM table 6.5 the value of d' is thus 1.38. The surveyor performing the scanning will ensure that scan speeds are adequate and that observation intervals over each scanned area are approximately one second. The above equation is then given as –

$$S_i = 1.38\sqrt{b/60}$$

S_i= minimum detectable net counts in the observation interval
b = number of background counts per minute

The result from the above equation is used to calculate the Minimum Detectable Count Rate using the following equation.

$$MDCR = S_i \times (60/i)$$

MDCR = minimum detectable count rate.
S_i = minimum detectable # of net counts in the observation interval.
i = time interval = 1 second

Given that a time interval of one second has been chosen, this equation reduces to -

$$MDCR = S_i \times 60$$

MDCR = minimum detectable count rate.
S_i = minimum detectable # of net counts in the observation interval.

Combining the two equations and simplifying yields a Scanning Sensitivity (MDCR) for an ideal observer of –

$$MDCR = 10.7 \times \sqrt{b}$$

MDCR = minimum detectable count rate.
b = number of background counts per minute

MARSSIM recommends using a surveyor efficiency value (p) to account the actual performance of a human surveyor. This survey efficiency is accounted for by dividing the MDCR by the square root of p. The surveyor MDCR is then calculated with the below equation -

$$\frac{MDCR = 10.7 \times \sqrt{b}}{\sqrt{p}}$$

MDCR = minimum detectable count rate.
b = number of background counts per minute
p = surveyor efficiency

For this project, a conservative surveyor efficiency of 0.5 is assumed. The final calculation for the instrument MDCR is given below

$$MDCR = \frac{10.7 \times \sqrt{b}}{\sqrt{0.5}} = 15.1 \times \sqrt{b}$$

MDCR = minimum detectable count rate.
b = number of background counts per minute

A spreadsheet with these calculations will be used by the field team to determine and record the instrument Scan Sensitivity. A copy of this spreadsheet is included in Appendix A

4.2.2 Minimum Detectable Concentration

Typical Scan Minimum Detectable Concentration (MDC) values for 2" x 2" sodium iodide (NaI) field scanning instruments can be found in Table 6.7 of MARSSIM Chapter Six and are given below. These values are listed for reference only. Field decisions will be based on survey readings and the MDCR value calculated.

Radionuclide	Scan MDC (pCi/g)
Ra-226 (in equilibrium with progeny)	2.81
Th-232 (In equilibrium with progeny in decay series)	1.8
Natural Uranium	80

4.2.3 Critical Level

An action level for integrated measurements will be set at each instrument's critical level. This level is the counts at which there is a 95% probability that the measurement is above background, although it may not be able to be quantified reliably. Elevated activity areas identified during scanning will be investigated further with an additional survey and static counts, as appropriate. Evidence of elevated activity may results in a sample being taken from the location for laboratory analysis.

Instrument critical levels are dependent on background and thus must be determined in the field. A critical level is calculated using MARSSIM equation 6-6.

$$L_c = B + 2.33\sqrt{B}$$

L_c = critical level
B = number of background counts

A spreadsheet with this calculation will be used by the field team to determine and record the instrument Critical Level. A copy of his spreadsheet is included in Appendix A.

4.3 Survey Methods and Techniques

For residential surveys, the interior of structures will be surveyed using a pressurized ion chamber (PIC) to determine exposure rates within dwellings. Readings will be taken along a transect of the floor at a height of approximately one foot above the ground and along transects

of the walls at a distance of approximately one foot from the surface. The surveyor will move the detector approximately 1 to 2 feet per second. Survey readings will be compared to an investigation level of 3 μR/hour above regional background. If elevated readings are encountered the surveyor will determine whether the readings can be attributed to naturally occurring building material, or if additional surveying should be conducted.

4.4 Sampling Procedures

Sampling efforts will follow the Standard Operating Procedures (SOPs) developed by EPA Region 4 and detailed in the Field Branches Quality System and Technical Procedures Guidance. The appropriate SOPs for all field efforts are included in Appendix B.

EPA Region 6 has developed a Conceptual Site Model and the Visual Sampling Plan model was used to calculate number of samples needed in this sampling event. A table outlining the type and number of samples collected during each phase of the project is provided below. Samples taken during Phase 1 and Phase 2 will be collected by USACE personnel. Samples taken during Phase 3 will be collected by a yet to be determined radiological services contractor.

Phase 1 Sample Collection – Summer 2010

Matrix	Samples	QC	MS	Total
Background Surface Soil	30	3	2	35
Background Subsurface Soil	28	3	2	33
Background Residential Water	10	1	1	12
Background Indoor/Outdoor Radon (Alpha Track Etch Detectors)	60	6	NA	66
Vegetation	25	3	2	30
Residential Water	14	2	1	17
Animal water tanks	Up to 10	1	1	12
Evaporation pond water	Up to 10	1	1	12
Indoor/Outdoor Radon (Alpha Track Etch Detectors)	80	8	NA	88
Spray Film	TBD	TBD	TBD	TBD
Total				**305**

Note that Indoor/Outdoor Radon monitoring will be attempted at all homes (approximately 145 homes).

Phase 2 Sample Collection – Winter 2010

Matrix	Samples	QC	MS	Total
Background Residential Radon (Charcoal Canisters)	60	6	NA	66
Irrigation Area Surface Soil	20	2	1	23
Irrigation Area Subsurface Soil	20	2	1	23
Residential Radon (Charcoal Canisters)	145	15	NA	160
Total				**271**

Phase 3 Sample Collection - TBD

Matrix	Samples	QC	MS	Total
Residential Surface Soil	73	8	4	85
Residential Subsurface Soil and gamma logging	40	4	2	46
Residential Soil Gas	12	2	1	15
Total				**146**

At least 10% of locations sampled will also be selected for duplicate QA/QC samples. This will require a duplicate sample taken from the sample location. Duplicate sample locations will be identified by the field team during the sampling effort. At least one duplicate sample will be collected for each media to be sampled.

At least 5% of locations sampled will also be selected for Matrix Spike (MS) QA/QC samples. This will require two additional samples taken from the sample location. MS locations will be identified by the field team during the sampling effort. At least one MS sample will be collected for each media to be sampled.

4.5 Background and Reference Areas

A background area is a non-impacted area that is representative of the materials in the potentially affected area with similar physical, geological, and radiological characteristics against which readings at residential sites may be compared. A reference or background location area for this project will be an area that may be rich in uranium in geologic formations but has never been mined. To establish a background area a reference community or locations will be identified and soil samples and radiological measurements will be taken. Crownpoint, NM and Bluewater, NM are two townships that have been identified as potential background reference areas. For sound statistical modeling, 30 residences will be identified and soil measurements will be collected for comparison against the Homestake subdivision residences. 10 of the 30 residences will also be sampled at depth to determine if instrument measurement readings increase or decrease with depth.

Radon and radon progeny measurements inside and outside of homes in the background area will also be taken for comparison to Homestake subdivision residences.

An appropriate background location for gamma scanning away from the spray mist will be determined during the initial site visit. The approximate location of the background area will be clearly noted on maps and in project records for future reference.

At least ten static one minute measurements will be taken in the background area to be used in calculations to determine the instrument Critical Level.

Background soil samples will be collected from the background area at locations considered similar to the soils that will be sampled from the residential areas. Additional background soil samples may be collected if the field survey team deems it necessary. The process for collecting soil samples is described in the Soil Sampling section below.

4.6 Soil Sampling

When taking a soil sample, a one minute static count will be taken at each sample location prior to collection by placing the instrument on the ground at the location and allowing the instrument to integrate counts over the interval.

sA sampling team member will scrape a surface soil sample from each sample locations using a dedicated scoop; the appropriate volume from each location shall be placed into a stainless steel mixing bowl or a dedicated sample plastic bag and gravel and foreign matter will be discarded. The sampling team member will use the spoon to thoroughly homogenize the sample material. The homogenized sample will be transferred directly into designated sample containers until the container is packed full.

Once a sufficient volume had been recovered, the sample container will be sealed, labeled, and placed into a sample shipping cooler. Clean Nitrile gloves will be worn by all personnel handling the samples.

4.6.1 Soil Sample Locations

Systemic sample locations will be identified by EPA Region 6 using VSP or similar sample planning software. Prior to survey and sampling efforts, EPA Region 6 will provide a map with the locations of systemic soil samples to be collected.

4.7 Vegetation Sampling

Approximately 25 vegetable and alfalfa samples will be collected from area residential gardens and irrigation areas. A sampling team member will remove the required amount of vegetable or alfalfa material from the identified area. The sample will be transferred directly into designated sample containers.

Once a sufficient volume had been recovered, the sample container will be sealed, labeled, and placed into a sample shipping cooler. Clean Nitrile gloves will be worn by all personnel handling the samples.

4.7.1 Vegetation Sample Locations

Gardens that are sampled will be those that use or have used groundwater for irrigation. Sample locations will be chosen in patches that will be representative of the garden and that will be minimally intrusive to the garden's owner.

Once a sufficient volume had been recovered, the sample container will be sealed, labeled, and placed into a sample shipping cooler. Clean Nitrile gloves will be worn by all personnel handling the samples.

4.8 Water Sampling

Fourteen garden hose water samples from residents that use ground water for irrigation will be collected. One water sample will be taken from any waters bins used by domestic animals (cattle, horses or goats) encountered during the survey. Up to ten residences in background or reference communities that use private wells for indoor or outdoor use will also be sampled.

To collect a sample a sampling team member will draw an appropriate amount of water from the hose, allowing the hose to run for several seconds before collecting the sample to allow for any residual water in the hose to be removed. Once a sufficient volume had been recovered, the sample container will be sealed, labeled, and placed into a sample shipping cooler. Clean Nitrile gloves will be worn by all personnel handling the samples.

Water samples will be taken from stock tanks used by domestic animals if encountered. A maximum of ten water stock tank samples will be taken. Stainless steel measuring cups or other similar containers will be used to draw sample water from the area. Once a sufficient volume had been recovered, the sample container will be sealed, labeled, and placed into a sample shipping cooler. Clean Nitrile gloves will be worn by all personnel handling the samples.

Water samples from any evaporation pond encountered will be sampled. A maximum of ten evaporation pond samples will be collected. Stainless steel measuring cups or other similar containers will be used to draw sample water from the area. Once a sufficient volume had been recovered, the sample container will be sealed, labeled, and placed into a sample shipping cooler. Clean Nitrile gloves will be worn by all personnel handling the samples.

4.8.1 Water Sample Locations

Water samples from garden hoses, water bins, and evaporation ponds will be taken from locations that currently or historically have used groundwater domestically or for irrigation or other agricultural purposes.

4.9 Radon Sampling

The impact of radon gas (Rn-222) on the Homestake residential subdivisions will be investigated. A previous radon study (EPA, 1989) and radon measurements have shown that residences in the subdivisions had been potentially impacted, sometimes with levels of radon exceeding the USEPA action level of 4 pCi/l. In this study EPA will try to get more information on the potential sources of radon gas. Indoor air samples will be collected using the short term (charcoal canisters) Rn-222 samples collected over 7 to 14 days in the winter months and long term (alpha track etch detectors) samples collected after at least 90 days of deployment.

Radon progeny at homes exceeding the EPA action level of 4 pCi/l will also be measured using working level (WL) monitors An attempt will be made to determine a site specific radon and progeny equilibrium factor both indoors and outdoor.

Outdoor air samples will also be collected using the alpha track etch detectors. Track etch detectors will be placed in the yards of residences closest to the fence line with HMC. Two Track etch detectors will be placed on each post. One nailed to the post at 6" above the ground and the other nailed at about 5.5 feet above the ground. Another set of track etch detectors (3 detectors at any one location) will be placed on a line North East from HMC facility down to the residential subdivision south and southwest of HMC. Track etch detectors will be properly calibrated to allow measured data to be converted to the true concentrations of radon as measured onsite.

A background community will be selected to represent a community similar to the HMC subdivision but was not mined before. Indoor radon samples will be collected using charcoal

canisters and track etch detectors. Outdoor radon samples will be collected from the residential yards using track etch detectors. Surface soil (0-6") and soil at depth will be collected and tested for all COCs. Water from private wells will also be collected.

Site and background data will be compared using statistical tools to determine if onsite data is significantly higher than local background levels.

For properties with elevated indoor exposure rate scans, and where the short-term radon results are > 4 pCi/L or the measured Working Level (WL) is > 0.02 WL, downhole gamma logging will be collected and/or soil gas samples will be collected in a follow on investigation from just under the slab from outdoor locations or from locations just above ground water table or from crawl spaces.

Radon canisters will be placed in approximately 145 homes. Large homes and multistory homes may receive multiple canisters. Additional homes may be selected as background locations. The maximum number of canister samples planned for this survey event is 271.

4.9.1 Radon Sample Locations

Canisters will be strategically placed inside the house to determine radon gas emitted from ground water used for domestic purposes such as showering, cooking, washing etc. Some canisters will be placed on the outside next to the entrance door. Canister locations will be recorded in order to facilitate recovery.

4.10 Film Sampling

The Community is concerned that spray mist is blowing from the evaporation ponds onto residential property. The residents are reporting a film being deposited onto cars and request sampling to be conducted in the area potentially affected by the spray. When possible, a wipe sample will be taken of the film by wiping a wipe filter across approximately 100 cm^2 of the deposited film. These wipe samples will be sent to the contract laboratory for counting by Liquid Scintillation Counting, Gas proportional Counting, or an equivalent counting method. Deposited films will also be scraped and enough collected to attempt identify chemical forms of the films.

4.10.1 Film Sample Locations

Location of spray mist film deposit samples will be identified by the field team during other survey efforts and documented in the field log book.

4.11 Sample Handling and Storage

All samples will be handled carefully in accordance with the sampling SOPs located in Appendix B. Samples will remain in the custody of the field team at all times.

All samples will be stored in a designated cooler prior to sample shipment. There are no requirements for sample preservation except that, due to their nature, vegetation samples are to be shipped as soon as possible.

4.12 Survey Questionnaire

A survey questionnaire will be developed to get personal and house specific information on the houses that will be sampled. Questions may include information on the type of house, the year built, the number of adults and children, use of private wells for indoor or outdoor purposes, whether a vegetable garden exist and domestic animals are raised, whether there was a transport of tailings to housing areas, indoor granite use, and methods of ventilation and heating of the residences.

5.0 Field Operations Documentation

5.1 Daily Quality Control Reports (QCR)

A summary of daily activities and any deviations from the project plans will be compiled daily and distributed to the appropriate project staff. The format of these reports is included in an example report enclosed in Appendix A.

5.2 Field Survey Documentation

The following discussion outlines standard practices and procedures to be used when documenting a sampling episode. Proper completion of the logbook and supporting paperwork with indelible ink is necessary to support potential enforcement actions that may result from the sample analysis. Therefore, maintaining sample integrity through proper documentation is essential.

Project field logbooks must be bound and should have numbered and water-resistant pages. All pertinent information regarding the site and sampling procedures must be documented in indelible ink. Notations should be made in logbook fashion, noting the time and date of all entries. Information recorded in this logbook should include, but not be limited to, the following:

- Name and exact location of site of investigation or interest
- Date and time of arrival and departure
- Names of all persons on site
- Field instrument equipment used and purpose of use (i.e., health & safety screening, sample selection for laboratory analysis), calibration methods used, field results, and quality control (QC) information
- Date and time of sample and data collection and any factors that may affect their quality
- Weather conditions on the day of sampling, and any additional pertinent field observations.

5.3 Photographic Records

Photographs of the work site will be taken and compiled with the field notes and presented in the final survey report.

5.4 Sample Identification

A sample numbering system will be used to identify each sample collected and submitted for analysis. The purpose of this numbering system is to assist in tracking samples and facilitate retrieval of sample data. The sample identification numbers for each sampling effort will be used on sample labels, sample tracking matrix forms, chain of- custody forms, and all other applicable documentation. The sampling team leader will maintain a listing of all sample identification numbers in the field logbook. All sample containers will be labeled at the time of sampling.

5.5 Chain-of-Custody Records

Chain-of-custody procedures are employed to maintain and document sample possession. A sample is considered under a person's custody if it is in that person's physical possession, within visual sight of that person after taking physical possession, secured by that person so that the sample cannot be tampered with, or secured by that person in an area that is restricted to unauthorized personnel.

Chain-of-custody records completed by the sampler will accompany all shipments of samples. Each cooler will have a chain-of-custody form listing the samples in the cooler.

It is possible that more than one chain-of-custody form will be needed per cooler to list all the samples contained in the cooler. The purpose of these forms is to document the transfer of a group of samples traveling together; when the group of samples changes, a new custody record is initiated. The original chain-of-custody record always travels with the samples; the initiator of the record keeps a copy.

The following procedures will be followed when using chain-of custody record sheets:

- The originator will fill in all requested information from the sample labels.

- The person receiving custody will check the sample label and tag information against the chain-of-custody form. The person receiving custody will also check sample condition and note anything unusual under "Remarks" on the chain-of-custody form.

- The originator will sign the "Relinquished by" box and keep a copy of the chain-of custody form.
- After delivery by the commercial carrier, the person receiving custody will sign in the "Received by" box adjacent to the "Relinquished by" box (may also be filled in by recipient as "Federal Express" of other carrier name). All signatures and entries will be dated.

- When custody is transferred to the analytical laboratory, blank signature spaces may be left and the last "Received by" signature box used. Another approach is to run a line through the unused signature boxes.

- In all cases, it must be readily seen that the same person receiving custody has relinquished it to the next custodian.

- If samples are left unattended or a person refuses to sign, this will be documented and explained on the chain-of-custody form

All samples will be shipped in a sealed cooler and will be maintained at or below 4°C using cold ice packs or ice packed in freezer bags when required by the receiving laboratory.

6.0 Investigation Derived Waste Management

Investigation-Derived Waste (IDW) in the form of waste PPE and decontamination materials such as paper towels will be generated as a result of the field activities for this project. PPE and other objects with potential surface contamination will be scanned using a Geiger-Mueller (GM) probe and instrument readings will be compared to the instruments critical level to determine whether or not the material has been impacted. If it is determined there is surface contamination, the material will be segregated as IDW.

When accumulated, the media must be managed appropriately to minimize the exposure to human health and the environment while adhering to applicable regulatory requirements. IDW material generated during project activities will be collected, containerized, and stored in an approved location prior to disposal.

It is not expected that significant quantities of contaminated soil or water waste will be generated during this field effort.

7.0 Field Assessment/ Inspection Procedures

7.1 Field Instruments

All field instruments used will have been properly calibrated by the manufacturer prior to use. Calibration records will be checked prior to instrument use.

The following routine checks will be performed on any instruments prior to use –

- Perform battery check.
- Check cables if broken or frayed.
- Take background reading and ensure it's within chart parameters.
- Perform quality control check on meters utilizing a source that emits the same radiation and approximate energy as that of the primary isotope of interest

7.2 Quality Control Chart

Prior to the survey, all survey meters will be calibrated and have valid calibration certificates, and if possible, operability checks noted in the instrumentation section. A Quality Control (QC) chart will be started.

The QC chart is created by obtaining 20 to 30 data readings with an appropriate check source. The mean and standard deviations for the instrument response will be calculated and plotted. The mean is assumed to be the "true" value. The values for the warning limits (2 sigma) and control limits (3 sigma) are then calculated. The graph will be used to plot the daily operability checks for survey meters operated in the integrate mode. The same procedure will be employed for analog meters. For some analog meters, warning limits may be set at 15% and control limits at 20% of the mean value.

If daily operability checks fall outside the warning limits (but inside the control limits), the operability check should be repeated. If the check falls outside the control limits again, the instrument will be removed from service until it is either repaired, recalibrated or the cause for the out of control reading is identified. The instrument will also be removed from service and recalibrated whenever a malfunction is suspected. A new QC chart will be started when the meter is recalibrated or repaired.

All daily operability checks (including any outside the warning or control limits) will be recorded in the instrument QA/QC files.

An example of an instrument QC chart is located in the appendices.

7.3 Instrument Contamination

While performing surveys, the probe may be contaminated, causing the background count rate to increase. If this is suspected, the surveyor will repeatedly clean the detector and repeat the

background until the counts fall back within the predetermined rate.

8.0 Nonconformance/Corrective Actions

Any non-conformance with established procedures presented in the project plans will be identified and corrected. A non-conformance report will be issued for each identified non-conforming condition. In addition, corrective actions will be implemented and documented in a field logbook. Non-conforming conditions include, but are not limited to:

- Improper instrument calibrations or operational checks
- Improper survey or sampling procedures
- Physical or documentation discrepancies with samples upon receipt at the laboratory

The PM shall be notified in the event discrepancies are discovered by field personnel, during a desk or field audit, by the independent QA laboratory, or during data assessment. The PM may immediately suspend applicable field operations until the extent of the discrepancy and its impact on the accuracy and the validity of the data can be assessed. The cause of the discrepancy will be identified and corrective actions, such as procedure revisions or personnel retraining, will be instituted to prevent a reoccurrence. If necessary, re-surveys or re-sampling will be performed to correct the discrepancy.

An independent office of the USACE or EPA may conduct a site visit during the survey and may perform the following:

- Review of work plans and reports.
- Review survey data.
- Oversight of survey procedures, survey techniques, and accepted health physics practices.

9.0 Phase 3 Work

A radiological services contractor will be acquired to perform Phase 3 work. Phase 3 activities will consist of the following –

Work performed by USACE Contractor - TBD

Perform GPS walkover radiation survey of identified background areas
Perform GPS walkover radiation survey of potentially affected area homes
Collect soil samples based on walkover survey results from potentially affected area homes
Perform downhole gamma logging at identified potentially affected area homes
Perform residential soil gas survey at identified potentially affected area homes

A brief discussion of Phase 3 activities is included in this section. Prior to field work, the selected contractor will prepare a Field Sampling Plan, Health and Safety Plan and Quality Assurance Project Plan to fully document the planned work activities.

9.1 GPS Walkover Gamma Surveys

During Phase 3 investigations, at all residences surrounded by yards, radiological surveys will be performed throughout the whole yard. If a home vegetable garden is located on the property, the garden will also be screened and sampled.

The scanning will be performed throughout the yard using a 2" x 2" NaI detector in conjunction with a Global Positioning System (GPS) unit. The detector should be mounted on a cart, 18 inches above the surface soil. The cart will be pushed along transects at approximately 1 to 2 feet per second from one end of the property boundary to another. Transects will be separated by 3 feet to provide 100 percent coverage of the surface soil within the property boundary. Debris, vegetation, structures, or other objects will not be moved, and the survey will be conducted around such obstacles.

Additionally, one-minute readings will be made with the 2" x 2" NaI detector 18 inches above ground level at 20 evenly spaced locations throughout the yard at a typical residence. More than 20 stationary measurement locations may be required at any residences that demonstrate highly variable readings across the site. The locations of the one-minute readings will be documented using a handheld GPS unit. Other features of interest in the yards, such as locations of significantly elevated gamma readings, will be documented using a handheld GPS unit.

9.1.1 Empirical Measurement Verification

The U.S. Department of Energy (DOE) maintains radiation instrument calibration facilities in Grand Junction, Colorado that provide a means to collect instrument measurements under controlled conditions and to convert from concentrations of radioactive material in the soil to a reading on detectors. These facilities were originally developed to calibrate gamma measuring instruments used in uranium exploration and are also suitable for calibration of instruments used for remedial action measurements, specifically, in-situ assays for natural radionuclides. These calibration facilities were constructed by enriching a concrete mix with uranium ore, monzanite sand, and/or orthoclase sand.

The facilities most applicable to this work are the large area pads, located at the municipal airport in Grand Junction. These concrete pads measure 30 feet by 40 feet by 1.5 feet thick, and are therefore very representative of a uniform plane of contaminated soil.

Prior to beginning the home assessments, instrument-specific calibration curves will be developed to correlate the concentration of Ra-226 in the soil to the readings on the 2" x 2" NaI detectors.

Calibration Pad Concentrations

Pad Designation	Concentration (pCi/g)[a]		
	Ra-226	Th-232	K-40
W1	0.82 ± 1.02	0.67 ± 0.10	12.67 ± 0.72
W2	1.92 ± 1.54	0.87 ± 0.12	45.58 ± 1.82
W3	1.70 ± 1.38	4.92 ± 0.26	17.07 ± 0.82
W4	12.07 ± 5.64	1.04 ± 0.12	17.56 ± .098
W5	8.36 ± 3.52	1.91 ± 0.16	34.68 ± 1.46

Note: [a] Uncertainties are 95 percent confidence level.

9.2 Downhole Gamma Logging (DHG)

9.2.1 DHG Locations

For properties with outdoor surface exposure rate scan results that are 5 μR/h above background, a boring will be placed on top of the location with the elevated reading. If this area is not accessible, the boring will be placed as close to this location as possible. When contiguous areas are exhibit elevated surface exposure rates, the field crew may be required to install multiple downhole gamma logging borings. In these cases, the field crew will contact either the RPM or Risk Assessor for guidance.

For properties with indoor surface exposure rate scan results above 5 μR/h above background at locations adjacent to soil, the downhole gamma logging boring will be placed on the opposite side of the wall or floor as close to the location of the elevated reading as possible.

For properties with elevated short-term radon results or elevated WL measurements, not associated with the building materials (*e.g.*, granite) one downhole gamma logging boring will be installed on all four sides of the house, if possible.

For properties with known historical fill material activity, the locations of the downhole gamma logging borings will be determined by the USACE PM or EPA RPM.

9.2.2 Establishing Downhole Gamma Logging Depths

The depth of the downhole gamma logging borings will be determined as follows:

- Manual borings will be installed to a depth of 4 feet.

- For properties with elevated outdoor surface exposure rate scans, geoprobe (push) borings will initially be installed to 4 feet unless information exists that would

indicate deeper contamination (*e.g.*, contamination on adjacent or surrounding properties is deeper than four feet)

- For properties with elevated indoor exposure rate scans, and where the short-term radon results are greater 4 pCi/L or the measured Working Level is greater than 0.02 WL, geoprobe borings will initially be installed to a depth of 8 feet.

Regardless of the initial depth, the depth of the boring will be extended if elevated count rates that are not associated with native material are found at the bottom of the boring or if readings are increasing significantly toward the bottom of the boring. Note that this will be a field decision since elevated readings can be found in conjunction with naturally occurring materials such as clay. If elevated readings are found in a clay layer, the PM will be responsible for determining if the boring should be extended. Typically this decision will be made in consultation with the RPM

9.2.3 Downhole Gamma Logging Action Levels

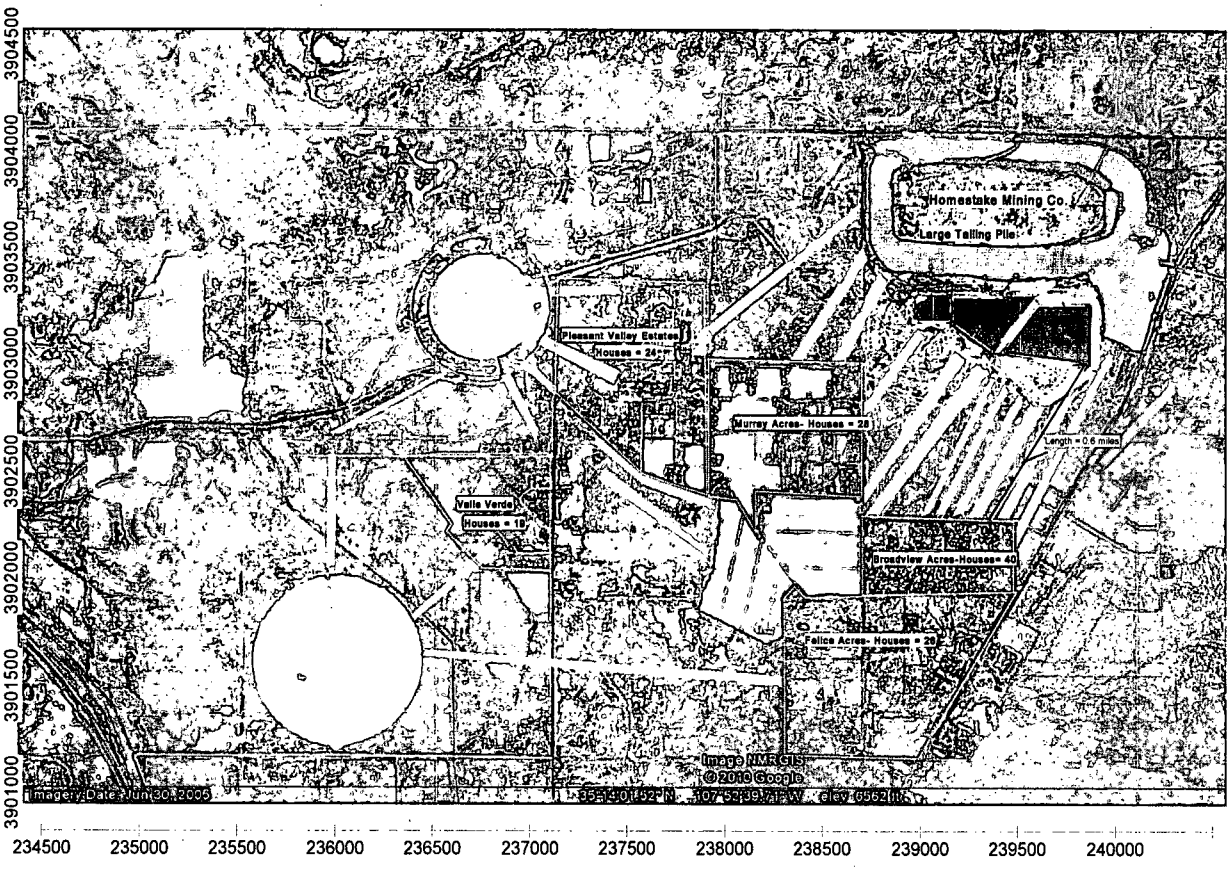
A count rate action level based on regional background will be established and used for a ½" x 1" NaI detector at boreholes. If this level is exceeded, and there is no evidence that the geologically at that depth would give rise to elevated readings, a soil sample will be taken from the depth of the elevated readings.

A count rate action level based on regional background will be established and used with a 2" x 2" NaI detector at boreholes. If this level is exceeded, and there is no evidence that the geologically at that depth would give rise to elevated readings, a soil sample will be taken from the depth of the elevated readings.

10.0 EPA ERGS Vehicle Scanning

Prior to USACE Phase 2 survey efforts, EPA Region 6 will perform a surface gamma scan using the EPA's ERGS gamma scanning vehicle. The intent of this scanning is to evaluate the possibility that radioactive contamination originating from the evaporation ponds has been deposited on residential soil through the air or surface runoff. This scanning will consist of multiple straight line patterns that resemble stripes. Scans will utilize GPS technology to log the locations of the survey area and identify areas of elevated readings. Several of the stripes will originate at the evaporation ponds and will terminate in different residential areas located close to the site. The three residential areas are Pleasant-Valley Estates, Murray-Acres, and Broadview-Acres. A background area will be identified and gamma scanning using the ERGS will be determined for that area and used as a baseline for the site.

The ERGS vehicle will also be used in the center pivot and flooded irrigation areas, scanning in straight line patterns towards the residential areas. The proposed ERGS survey areas are diagrammed in the figure below.



Results of the ERGS survey may be used by the USACE or by radiological services contractor to identify potential areas of concern for additional survey investigation and sample collection.

11.0 References

1. AR 385-10, The Army Safety Program.

2. EM 200-1-3, Requirements for the Preparation of Sampling and Analysis Plans

3. ER and EM 385-1-80, 30 May 1997, Ionizing Radiation Protection, and Radiation Protection, USACE.

4. EM-385-1-1, 3 Sep 1996, Safety and Health Requirements Manual, USACE.

5. EPA QA/R-5 - EPA Requirements for Quality Assurance Project Plans

6. Homestake Mining Company Mill Site Health Consultation, ATSDR, June 2009

7. Homestake Mining Company EPA Superfund Record of Decision, September 1989

8. NRC 2000 NUREG-1575, Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM), August 2000.

9. Title 10, CFR, 1996 rev, Chapter I, Nuclear Regulatory Commission (USNRC).

10. Title 29, CFR, 1995 rev, Chapter I, Department of Labor.

11. NUREG/CR-5849, ORAU-92/C57, 1 June 1992, Manual for Conducting Radiological Surveys in Support of License Termination (DRAFT), USNRC.

12. NUREG 1507, ORAU, June 1998, Minimal Detectable Concentrations With Typical Radiation Survey Instruments for Various Contaminants and Field Conditions, USNRC.

13. DA PAM 385-24 Department of the Army Pamphlet 385–24, Safety, *The Army Radiation Safety Program*, Headquarters, Department of the Army, Washington, DC, 24 August 2007

Appendix A – Project Documents

Example Daily Quality Control Report Form

DAILY QUALITY CONTROL REPORT		*Date:*	
		Day:	
Project:		*Report No.:*	
		Wind:	
		Humidity:	
		Weather:	
Project Manager:			
Personnel On Site:			
Contractors On Site:			
Visitors On Site:			
Equipment On Site:			
Work Performed:			
Quality Control Activities:			
Health And Safety Levels And Activities:			
Problems Encountered/ Corrective Action Taken:			
Other Comments:			

Sample Survey Form

PROJECT NAME

SURVEYOR NAME

SURVEY DIAGRAM

IINSTRUMENT TYPE

INSTRUMENT SERIAL NUMBER

CALIBRATION DATE

CALIBRATION DUE

BACKGROUND COUNT RATE

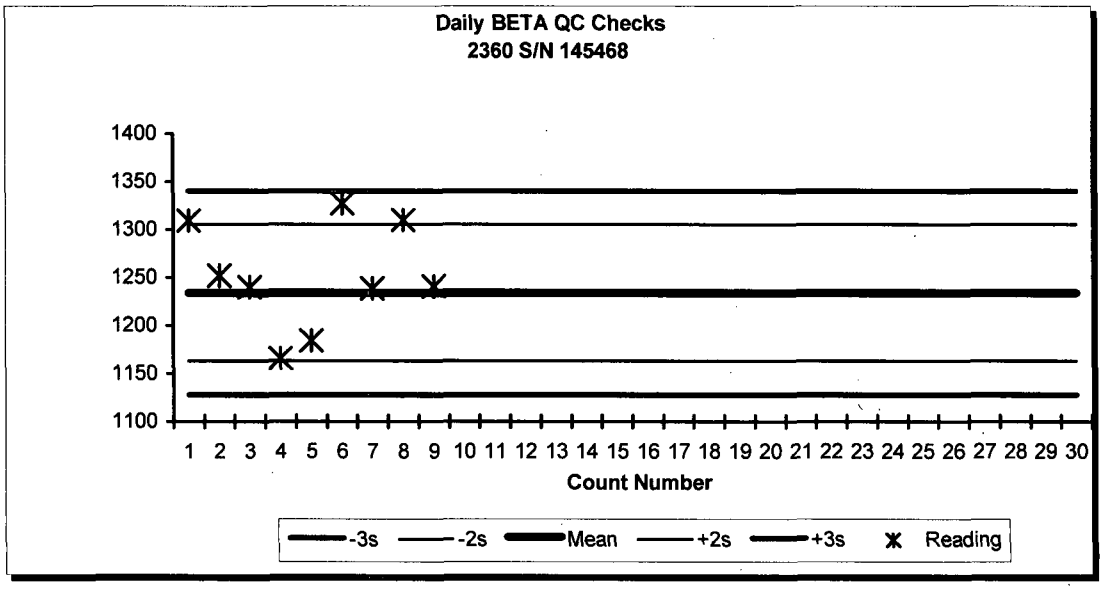
SURVEY READINGS

REMARKS

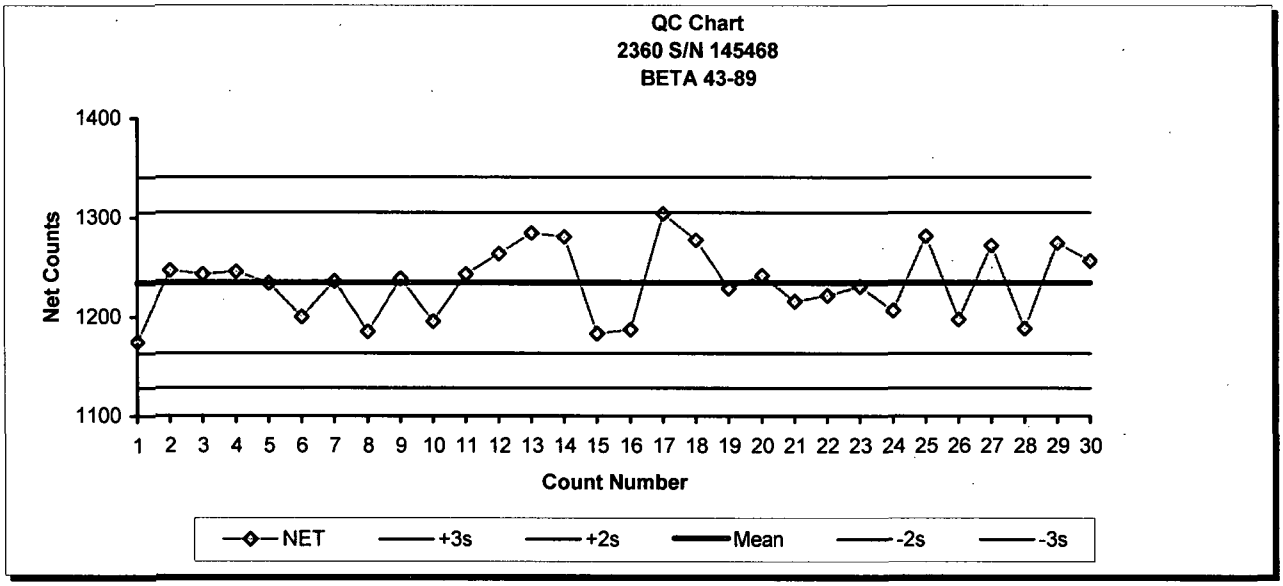
SURVEYOR SIGNATURE

DATE

Sample Survey Instrument QC Check Form



Daily BETA Checks in cpm										
	Date	Gross	BKG	NET	GROSS	BKG	NET	GROSS	BKG	NET
1	17Sep02	1549	240	1309	ND			1579	327	1252
2	18Sep02	1495	255	1240	ND			1427	261	1166
3	19Sep02	1450	266	1184	1612	285	1327	1547	308	1239
4	20Sep02	1612	302	1310	1523	282	1241	NU		
5				0			0			0
6				0			0			0
7				0			0			0
8				0			0			0
9				0			0			0
10				0			0			0



Model:	2360	SN#	145468	PROBE	43-89	SN#	169229	Cal Due:	26Mar03
Source:	Tc-99	SN#		Activity:	14,100	dpm		Cal Date:	1Feb95
Mean	+2s		-2s		+3s:		-3s	Date:	17Sep02
1234	1305	to	1163	to	1341	to	1128	Efficiency:	0.088

Chk.#	Gross	Net	Chk.#	Gross	Net	Chk.#	Gross	Net	COMMENTS
1	1336	1175	11	1403	1242	21	1376	1215	
2	1407	1246	12	1424	1263	22	1382	1221	
3	1403	1242	13	1445	1284	23	1391	1230	
4	1406	1245	14	1441	1280	24	1367	1206	
5	1394	1233	15	1344	1183	25	1442	1281	
6	1361	1200	16	1348	1187	26	1358	1197	
7	1396	1235	17	1465	1304	27	1432	1271	
8	1346	1185	18	1438	1277	28	1349	1188	
9	1399	1238	19	1389	1228	29	1435	1274	
10	1356	1195	20	1402	1241	30	1417	1256	

Bkgd:	161	cpm	Mean:	1234	cpm	2sigma:	71 cpm	3sigma:	106 cpm

Sample Chain of Custody

EPA

CHAIN OF CUSTODY RECORD

NATIONAL AIR AND RADIATION ENVIRONMENTAL LABORATORY

540 South Morris Ave.
Montgomery, AL
36115-2601
(334) 270-3400
Fax (334) 270-3454

Container #

Project Name

Project Manager

Sampling Team Members

Requested Completion Date

Notify Project Manager Upon Receipt? ☐ Yes ☐ No

# of CONTAINERS

ANALYSIS REQUESTED

For Laboratory Use Only

Comments:

Sample Description	Date	Time	Matrix	# of CONTAINERS									Comments	Lab Sample ID

1) Sampled By:	Date/Time	2) Received By:	Date/Time	Sample Shipped via ☐ FedEx ☐ UPS ☐ Hand ☐ Other	Internal Container Temperature ____°C
3) Relinquished By:	Date/Time	4) Received By:	Date/Time		
5) Relinquished By:	Date/Time	6) Received By:	Date/Time	Custody Seal Present? ☐Y ☐N	Page
Samples Disposed By:	Date/Time	Disposal Method:		Custody Seal Intact? ☐Y ☐N	____ of ____

Distribution: White and Yellow Copies accompany sample to laboratory. Pink copy is retained by Samplers. Please use a separate form for each container.

NAREL/FORM-1 Revision 2 02/10/00

Landauer Radtrack α-track detector information

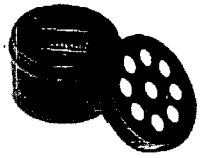
LANDAUER®

Radtrak® Long-Term Radon Monitoring

Radtrak is an alpha-track radon gas detector designed to monitor radon exposure for three months to one year to obtain a long-term average concentration over time. Landauer service includes the Radtrak detector, comprehensive analysis, and a confidential report of the findings. Radtrak can be packaged for indoor or outdoor area monitoring or personnel monitoring.

Landauer is the leader and pioneer in radon gas detection and monitoring service. Since 1954, our scientists have been involved with the development of radiation monitoring services for nuclear research centers and laboratories, hospitals, medical and dental offices, universities, and other industries where radiation might be present. This experience and technology have been incorporated into Landauer's highly accurate Radtrak radon detector using our exclusive Track-Etch® process. Radtrak radon detectors are used by the Environmental Protection Agency, the National Institutes of Health, the American Lung Association, and many other government and professional organizations.

Radtrak measures the average radon concentration at the location of the detector during the monitoring period. The alpha-track detector has, inside the plastic housing, a radiosensitive element that records alpha particle emissions (alpha tracks) from the natural radioactive decay of radon.



When the detector is returned to Landauer's laboratory, the alpha tracks are counted using computer-assisted image analysis equipment. The number of alpha tracks along with the deployment time period provides the basis for calculating the average radon concentration. The report with the radon gas measurement, reported in picocuries per liter of air (pCi/l), is mailed within seven to ten days after receipt of detector.

Thoron Proof Filter

Upon request, a detector can be fitted with a thoron proof filter that provides measurement of Rn 222 only.

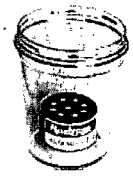
Technical Specifications

- The radiosensitive element is a CR-39 (allyl diglycol carbonate) based, passive alpha-track detector.
- The CR-39 is enclosed in a plastic housing composed of electrically conducting material with filtered openings to permit diffusion of radon gas only.
- Minimum level of detection is 30 pCi/l days i.e., 0.33 pCi/l based on 90 days.
- Detectors, before, during or after exposure, should not be in locations that exceed a temperature of 160°F (70°C).
- Radtrak detectors are packaged in film-foil bags that meet Military specification MIL-B-131, Class 1 to prevent exposure prior to use.
- A metallic label is provided for each detector to seal the filtered openings following the exposure period to minimize subsequent exposure to radon during the return shipment to Landauer's laboratory.
- Each detector is identified by a unique serial number laser engraved on the CR-39, printed and bar coded on the outside of Radtrak, and the film-foil bag.

Indoor Use

Monitoring indoors requires placing the detector in an upright position on a flat surface, or it may be hung from a joist or ceiling with the detector's hanger strip included with the shipment. The U.S. Environmental Protection Agency recommends the detector be placed in the lowest lived-in level of the home. It should be placed in a room that is used regularly but not a kitchen or bathroom. States or other organizations may have differing recommendations. Contact your state agency if you have a question regarding placement.

Outdoor Use



For monitoring outdoors, the detector is fastened to the bottom of a clear plastic cup. The cup is then installed inside a protective canister that has been attached to a post or other location. The protective canisters are sold separately.

Personnel Monitoring

The personnel monitor comes with a clip that easily attaches to the detector and securely fastens to clothing.

For more information on radon, refer to the U.S. Environmental Protection Agency's publication "A Citizen's Guide to Radon" at http://www.epa.gov/iaq/radon/pubs/citguide.html or contact your state department of health.

Landauer, Inc. · 2 Science Road · Glenwood, IL 60425 · 800-528-8327 · www.landauerinc.com · © 2005 by Landauer, Inc.

Appendix B – Sampling SOPs

Field Equipment Cleaning and Decontamination

Management of Investigation Derived Waste

Sediment Sampling

Soil Sampling

Surface Water Sampling

Wipe (Contaminated Surface) Sampling

Field Sampling and Measurement Procedures and Procedure Validation

Field Sampling Quality Control

Logbooks

DUPLICATE TEST DEVICE

(ONE FOR EVERY 10 TESTS PLACED)

A duplicate test involves two tests, conducted simultaneously and side-by-side, made for similar durations.

A duplicate test is placed 4 inches apart from the main test.

A duplicate is designed to verify the readings being reported by the main test the device is placed with.

These two readings are then compared for confidence in the reported value.

BLANK TEST DEVICE

(ONE FOR EVERY 20 TESTS PLACED)

A blank is designed to monitor if any background conditions of the testing area are influencing the test devices.

- Blank tests are placed next to an open test device.
- The blank test is left sealed as received from the lab and **NOT** opened.
- All paperwork is filled out as if it was a regular test on the chain of custody

Use the chart below for keeping track of your duplicate and blank tests. Keep this chart in your office with this canister order and check off each time you place cans in the field.

Test #1	place single can	Test #21	place single can
Test #2	place single can	Test #22	place single can
Test #3	place single can	Test #23	place single can
Test #4	place single can	Test #24	place single can
Test #5	place single can	Test #25	place single can
Test #6	place single can	Test #26	place single can
Test #7	place single can	Test #27	place single can
Test #8	place single can	Test #28	place single can
Test #9	place single can	Test #29	place single can
Test #10	**single can with DUPLICATE**	**Test #30**	**single can with DUPLICATE**
Test #11	place single can	Test #31	place single can
Test #12	place single can	Test #32	place single can
Test #13	place single can	Test #33	place single can
Test #14	place single can	Test #34	place single can
Test #15	place single can	Test #35	place single can
Test #16	place single can	Test #36	place single can
Test #17	place single can	Test #37	place single can
Test #18	place single can	Test #38	place single can
Test #19	place single can	Test #39	place single can
Test #20	**single can with DUPLICATE AND BLANK**	**Test #40**	**single can with DUPLICATE AND BLANK**

(Repeat process again)

INSTRUCTIONS FOR CHARCOAL CANISTER TEST PLACEMENT

To conduct a screening test, locate the canister in the lowest livable area (a concrete basement, playroom, family room). If there is no basement, or the basement has an earthen floor, locate the canister on the first livable level. Place the canister away from windows, outside walls, sump pumps and drains. **Do not place the canister in the bathroom, kitchen, laundry room, porch or crawl space.**

Within the selected room, be sure that the canister is away from noticeable drafts, windows and fireplaces. The canister should be placed on a table or shelf at a distance of at least **30 inches off the floor** and at least 4 inches away from other objects, but not in a drawer, cupboard or other enclosed space.

The test should not be performed in severe weather conditions such as high winds, hurricanes, rainstorms or in basements with very high humidity.

The canister should be exposed for a period of 2 – 4 days (48-96 hours)

NOTE: The minimum exposure is 48 hours (2 days) ***in hours*** *and the maximum exposure is 144 hours (6 days)* ***in hours.***

1. For twelve hours prior to the test, and during the test period, ALL windows and doors in the entire home must be kept closed, except for the normal entrance and exit through the doors. Heating and central air systems may be used, but not room air conditioners, attic fans, fireplaces or wood stoves.

2. Remove the vinyl tape from around the canister and remove the top lid. SAVE THE TAPE !

3. Place the canister, open face up, in the appropriate testing location. (see above)

4. RECORD THE START DATE AND START TIME ON THE INCLUDED SHEET.
   (Remember to circle AM or PM on your start time because the correct time will factor into the final radon calculation)

5. Leave the test canister undisturbed during the testing period.

6. After the test canister has been exposed for the proper amount of time (2 – 4 days), place the top lid back on the canister and seal the seam with the original vinyl tape that you saved from step #2. Sealing the canister with the original vinyl tape is important to assure proper analysis.

7. RECORD THE STOP DATE AND STOP TIME ON THE INCLUDED SHEET.
   (Remember to circle AM or PM on your stop time because the correct time will factor into the final radon calculation)

8. **COMPLETELY** fill out the information form on the included sheet. **(FAILURE TO DO SO PROHIBITS ANALYSIS !)**

9. Place the test canister along with the data form inside your mailing envelope and **mail** within **ONE DAY** to the laboratory for analysis! The laboratory **MUST** receive your test canister via the mail service within 7 days **(in hours)** after the stop of your test to be valid.

THE LABORATORY IS **NOT** RESPONSIBLE FOR DEVICES RECEIVED LATE OR DAMAGED DURING SHIPMENT THROUGH ANY POSTAL SERVICE!

The shelf life of the test canister expires one year after shipment date

Remember to keep a copy of your test canister ID number for future reference!

CALL BEFORE STARTING YOUR TEST IF YOU HAVE QUESTIONS.

USACE Alpha Track Etch Radon Detector Deployment SOP

1.0 PURPOSE

The purpose of this procedure is to document reference information for placing and recording alpha track radon monitors. Adherence to this procedure will help ensure uniformity among measurement programs and allow valid inter comparison of results.

2.0 APPLICABILITY

This procedure is applicable to all USACE personnel placing Alpha Track (AT) Detectors. It covers, in general terms, the equipment, procedures, and quality control objectives to be used in performing the measurements. It is not meant to replace a manufacture's instruction manual.

3.0 PRECAUTIONS, LIMITATIONS, AND REQUIREMENTS

3.1 Precautions

3.1.1 Individuals performing work with the detectors shall be familiar with the requirements set forth in the current and approved version of this procedure.

3.1.2 If any detector inconsistencies are observed the Project Manager or Radiation Safety Officer is to be notified. Each alpha track must remain sealed in a container prior to use.

3.2 Limitations

3.2.1 Detectors should not be placed in areas of excessive humidity and should be protected from becoming wet. Adequate air movement is required around detectors.

3.2.2 Detectors may be placed for up to 1 year, most applications are for 90, 180, or 365 days. Alternate placement times are ok but contact the manufacturer if placement is to be less than 60 days. A 12-month AT measurement provides information about radon concentrations in a building during an entire year, so the closed-building conditions do not have to be satisfied to perform a valid year-long measurement. Closed building conditions should be considered for placement periods less than a year.

3.2.3 The AT should not be deployed if the user's schedule prohibits terminating the measurement at the appropriate time.

3.3 Requirements

3.3.1 Detectors should be placed in the lowest inhabited areas of the home (first floor living areas or finished basements if used regularly).

3.3.2 Outdoor detectors should be placed 2 to 7 feet high away from where animals and children can disturb them if possible.

3.3.3 Items needed

• An AT in an individual, sealed container (such as an aluminized plastic bag) to prevent extraneous exposure before deployment A means to attach the AT to its measurement location, i.e. if it is to be hung from the wall or ceiling;
• Manufacturer instructions for resealing the detector at the time of retrieval and prior to returning it to the supplier for analysis;
• A step stool
• A uR/hr meter; and
• A data collection log.

4.0 RELATED REFERENCES

• RSP Radiation Safety Program
• Record Retention
• Radiological Surveys
• Operation of uR/hr Meters
• EPA Protocols for Radon and Radon Decay Product Measurements in Homes

5.0 DEFINITIONS AND ABBREVIATIONS

Alpha Track Detector	AT
Environmental Protection Agency	EPA
Project Manager	PM
Radiation Safety Officer	RSO
Radiological Field Supervisor	RFS

6.0 EQUIPMENT

6.1 Radtrac Rn detectors or Equivalent

6.2 Alpha Track Detectors General: An alpha track consists of a small piece of plastic or film enclosed in a container with a filter-covered opening or similar design for excluding radon decay products. Radon diffuses into the container and alpha particles emitted by the radon and its decay products strike the detector and produce submicroscopic damage tracks. At the end of the measurement period, the detectors are returned to a laboratory. Plastic detectors are placed in a caustic solution that accentuates the damage tracks so they can be counted using a microscope or an automated counting system. The number of tracks per unit area is correlated to the radon concentration in air, using a conversion factor derived from data generated at a calibration facility. The number of tracks per unit of analyzed detector area produced per unit of time (minus the background) is proportional to the radon concentration. Alpha track detectors function as true integrators and measure the average concentration over the exposure period.

Many factors contribute to the variability of AT results, including differences in the detector response within and between batches of plastic, non-uniform plate-out of decay products inside the detector holder, differences in the number of background tracks, and variations in etching conditions. Since the variability in AT results decreases with the number of net tracks counted,

counting more tracks over a larger area of the detector, particularly at low exposures, will reduce the uncertainty of the result.

7.0 RESPONSIBILITIES

7.1 Project Manager (PM) – the PM is responsible for ensuring that personnel assigned the task of using AT detectors is familiar with this procedure, adequately trained in the use of this procedure, and have access to a copy of this procedure.

7.2 Radiation safety Officer (RSO) – The RSO is responsible for verifying that personnel comply with this procedure and are trained in the use of AT detectors described in this procedure.

7.3 Radiological Field Supervisor (RFS) – During field assignments, the RFS is responsible for ensuring that this procedure is implemented. When the RSO is not on site, the RFS will act as the RSO's duly authorized representative for radiological issues.

7.4 Technicians – The Technicians are responsible for knowing and complying with this procedure.

8.0 OPERATION

8.1 Instrument Inspection

Each alpha track must remain sealed in a container prior to use to prevent extraneous exposure, inspect packaging and detector for cracks, tears, etc.

Record the start time for each detector when unsealed and placed.

8.2 Operation

8.2.1 Locate an appropriate location for a detector. Locations should be determined using the following criteria

a. A location where the detector will not be disturbed during the measurement period and where there is adequate room for the device

b. The location should not be located near drafts caused by HVAC systems, doors, fans, or windows

c. The measurement location should not be within 3 feet of windows or other openings in the exterior wall. If there are no potential openings in the exterior wall, then the measurement location should be located approximately 1 foot from the exterior walls.

d. For suspended detectors, the ideal height for placement is within the breathing zone, approximately 5-7 feet above the ground.

e. Detectors should not be placed in kitchens, laundry rooms, closets, or bathrooms.

8.2.2 Use tape or other adhesive to hang the detector from ceilings. If unable to hang from a ceiling a wall surface may be used. Hang out of reach of small children.

8.2.3 At each location a measurement of the external exposure rate should be taken and recorded with a micro-R meter or similar measuring device at a height of approximately 4 feet above the ground.

8.2.4 Detectors placed outdoors should be placed in areas without restricted airflow and protected from the environment as much as possible. Use of manufacturer supplied environmental covers is suggested, or weather protection housing may be made.

8.2.5 When collecting, seal the detector with the manufacture's supplied seal. Any changes should be noted in the log book. The time and date of removal should be entered on the data form for the detector and in the log book, if used. The detector should then be resealed following the instructions provided by the supplier. After retrieval, the detectors should be stored in a low radon environment and returned as soon as possible to the analytical laboratory for processing.

9.0 QUALITY ASSURANCE/CONTROL and RECORDS

9.1 Quality Assurance/Control

9.1.1 The health physics technician performing the survey shall ensure that this procedure is current.

9.1.2 The supplier of AT detectors shall have QA procedures compliant with the USEPA guidance.

9.1.3 Quality Control, A duplicate detector will be placed side-by-side at a deployment frequency of 10%

9.2 Records

9.2.1 Enter the information required prior to deployment, such as the residential address, detector number, time, date, and room location in the field log book. Other easily obtained information that may be useful, such as the type of building and heating system, the existence of a crawl space or basement, the occupants' smoking habits, and the operation of humidifiers, air filters, electrostatic precipitators, and clothes dryers should be recorded.

9.2.2 A photograph should be taken of each detector location or detailed notes of the detector location should be recorded in the field log book.

9.2.3 When collecting, after sealing, record the stop date on the detector and in the field log book.

9.2.4 Document any damage or movement of the detector in the field logbook. Also document any damage caused to wall or ceilings do to detector removal.

10.0 ATTACHMENTS

NONE

PIC FORMS

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BV0066

Date: 3/24/2011

START member (who completed this form): Vasquez

Additional START members: Garen

Outdoor background readings

1 12736

2 12126

3

4

5

PIC SN: #5

Ludlum SN: 149959 PR033908

2x2 SN:

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11400

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
Room A	1021	1026	9379	1040	4
Room B	1055	1100	9335	1113	9
Room C	1116 ~~1134~~	1121	10084	1134	10
Room D	1139	1144	10307	1147	10
Room E	—	—	—	—	1
Room F	1148	1153	10110	1156	2
Room g	—	—	—	—	1
Room h	—	—	—	—	2
Room i	—	—	—	—	10

PIC time On: 1012

PIC time Off: 1213

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: ~~GAA8021~~ BV0066
Date: 3/24/11
START member who completed this form: O. GARREN
Other START members: P. VASQUEZ

Ludlum #: 149959
Detector #: PR033928

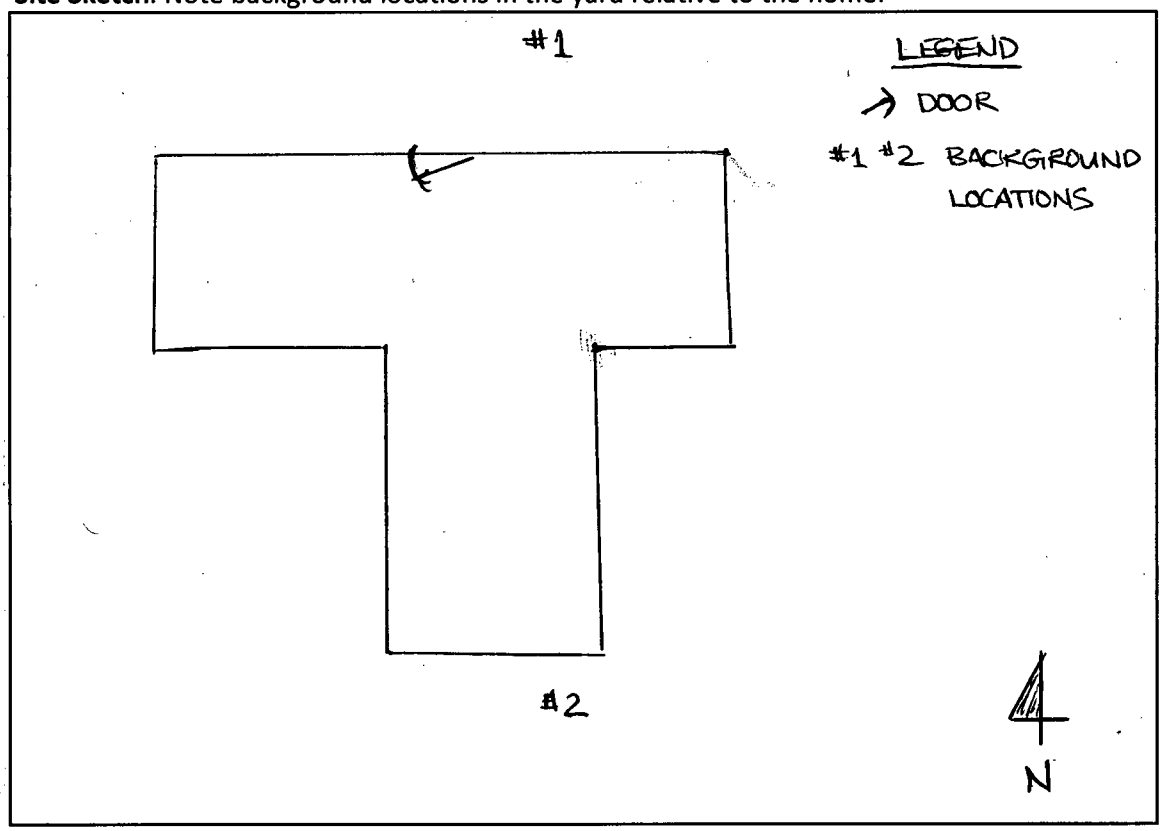
Background #1

1-min scaler time: 0953
1-min scaler reading: 12736
Location description: FRONT YARD; BETWEEN FRONT DOOR & METER
Photo time: 0950
Photo description: FACING SW; LAT: 35.228807 LONG: -107.86736

Background #2

1-min scaler time: 1000
1-min scaler reading: 12126
Location description: BACK YARD; LAT: 35.228521 LONG: -107.86738
Photo time: 0956
Photo description: FACING NORTH; SE CORNER OF HOUSE

Site Sketch: Note background locations in the yard relative to the home.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

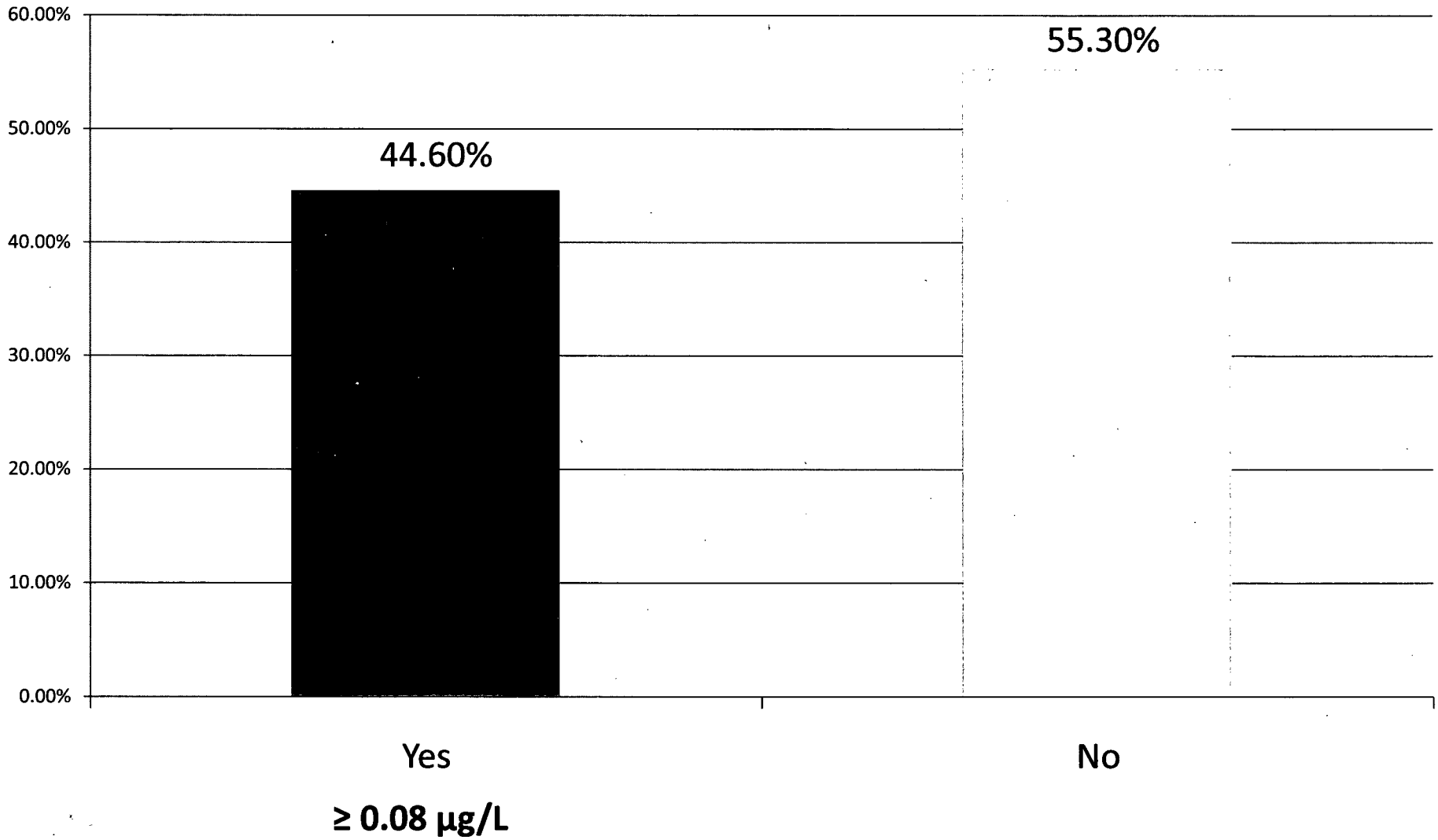
Property ID: BV0066
Date: 3/24/2011
START member who completed this form: P. Vasquez
Additional START members: O. Garren
Ludlum #: 149959
Detector #: PRØ33908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm):

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
Room A	1017	8200 - 11300	6500-10900	NA / F̄ = 10000 W̄ = 8800
Room B	1032	9000-12200	6800-10200	Yes / F̄ = 10500 W̄ = 8400
Room C	1053	9000-12400	7400-10700	YES / F̄ = 11,000 W̄ = 9500
Room D	1057	9700-12500	7500-11,100	Yes / F̄ = 11200 W̄ = 9,300
Room E	1107	8400-1100	6900-10200	NA / F̄ = 1000 W̄ = 8400
Room F	1120	8200-1300	6200-10,800	Yes / F̄ = 11400 W̄ = 8800
Room G	1145	8000-10700	7500-9900	NA / F̄ = 9700 W̄ = 8400
Room H	1139	7800-9800	7000-10000	NA / F̄ = 8,700 W̄ = 8400
Room I	1141	7800-10800	6700-10600	NA / F̄ = 9,200 W̄ = 9,000

Elevated Uranium in Urine?
Pueblo of Laguna



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

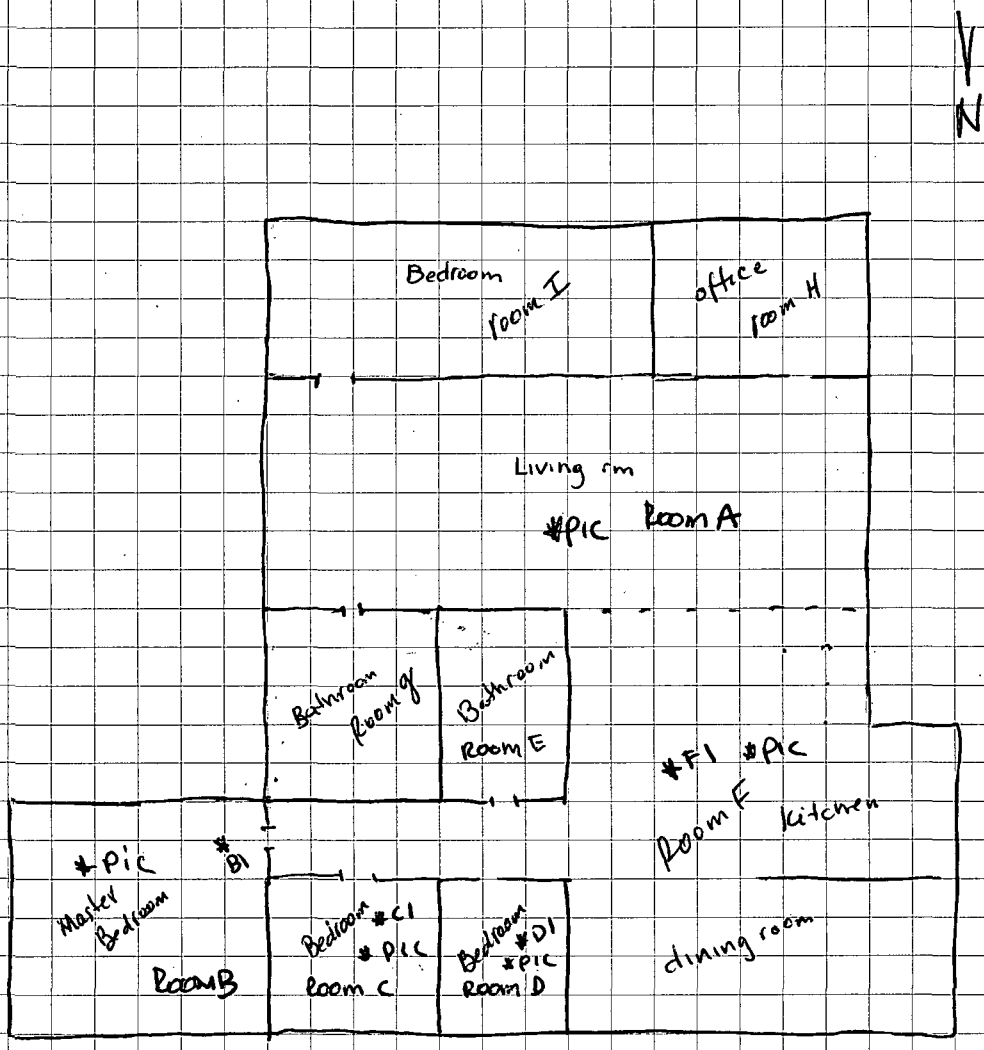
Property ID: BV0006
Date: 3/24/2010
START member who completed this form: P. Vasquez
Other START members: O. Gairen
PIC # ~~149959~~ #5
Ludlum #: 149959 Ludlum #: NA
Detector #: PR 033908 Detector #: NA

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G	H	I
Draw site sketch										
Ludlum readings walking from outside to inside —	13200									
Readings (cpm): out 12200 – 14000 x̄=13200 in 9400 – 12000 x̄=10400	10400									
Scan of entire house; range: 8100 - 11500										
Average reading: 9500	9500									
Indoor Threshold (Average + 1,900 cpm) (cpm): 11400	11400									
Start scan of room		1017	1032	1053	1057	1107	1120	1145	1139	1141
Set up PIC in room		1010	1053	1113	~~NA~~ 1137	NA	1156 ~~1148~~	NA	NA	NA
Photo of PIC in room (note in photo log)		1015	1050	1119	~~NA~~ 1142	NA	1110	NA	NA	NA
Turn PIC on		1012								
Start 5-min stabilization period		1014								
End 5-min stabilization period		1019								
1-min scaler reading with Ludlum next to PIC		1040	1113	1134	1147	NA	1158	NA	NA	NA
Reading:		9379	9335	10084	10307	~~10 pr.~~	10110	NA	NA	NA
Start 5-min recording period		1021	1055	1116	1139	NA	1148	NA	NA	NA
End 5-min recording period		1026	1100	1121	1144	NA	1153	NA	NA	NA
Download data. Save file. Clear data.							1200			
Turn PIC off							1213			

San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 3/24/11 Property ID: BV0066

Start Team Members: Vasquez / Garner



*B1- Wipe Sample BV0066-B1-11-110324
*PIC = Pic test locations
*C1 = Wipe Sample BV0066-C1-11-110324
*D1 = Wipe Sample BV0066-D1-11-110324
*F1 = Wipe Sample BV0066-F1-11-110324

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQQ7Q

Date: 2/17/11

START member (who completed this form): T. Evans

Additional START members: O. Garren

Outdoor background readings

1 10549 @ 1010

2 10605

3

4

5

PIC SN: 5 (Q1D22702)

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,400 + 1,900 = 11,300

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQQ7Q-A	1048	1053	9908	1047	10-12
-B	1056	1101	9482	1102	8
-C	1104	1109	9476	1111	8
-D					8
-E					1-2
-F					2-3

PIC time On: 1041

PIC time Off: 1111

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: BVQQ7Q
Date: 2/17/11
START member who completed this form: T. Evans
Additional START members: O. Garren
Ludlum #: 149959
Detector #: PRQ33908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 11,300

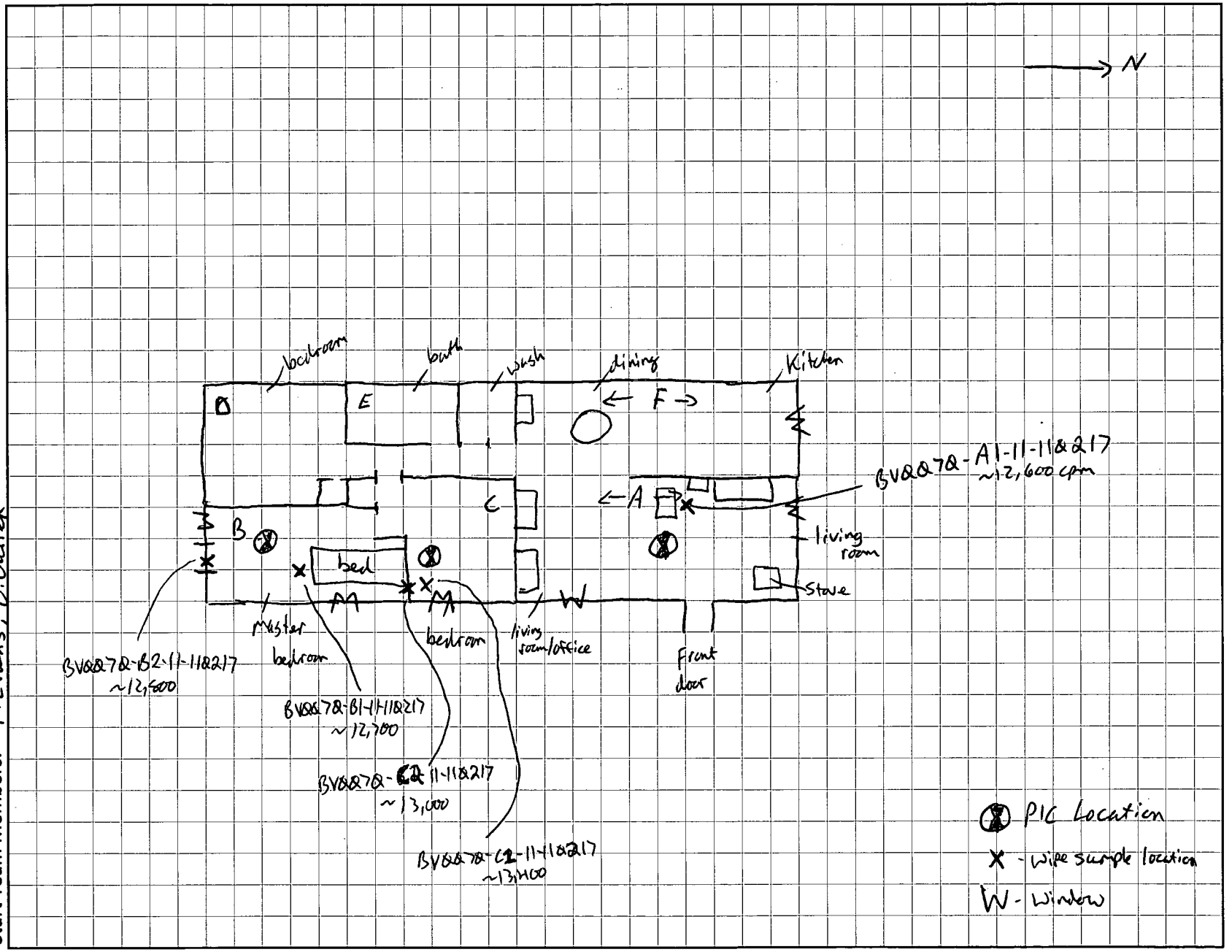
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQQ7Q-A	1030	7,200-12,600	7,100-10,900	on floor (carpet) next to fish tank
-B	1040	9,300-12,700	7,800-12,800	at foot of bed (carpet), on door
-C	1048	9,200-13,000	7,800-13,400	on floor (carpet) in SE corner, on south wall in SE corner
-D	1054	7,300-9,600	7,100-10,500	none
-E	1058	7,200-9,700	6,900-9,400	none
-F	1102	6,900-10,500	7,000-10,400	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQQ7Q

Date: 2/17/10

Start Team Members: T. Evans, B. Carrer



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BVQQ7Q
Date: 2/17/10
START member who completed this form: O. Garren
Other START members: T. Evans

Ludlum #: 148959
Detector #: PRQ339Q8

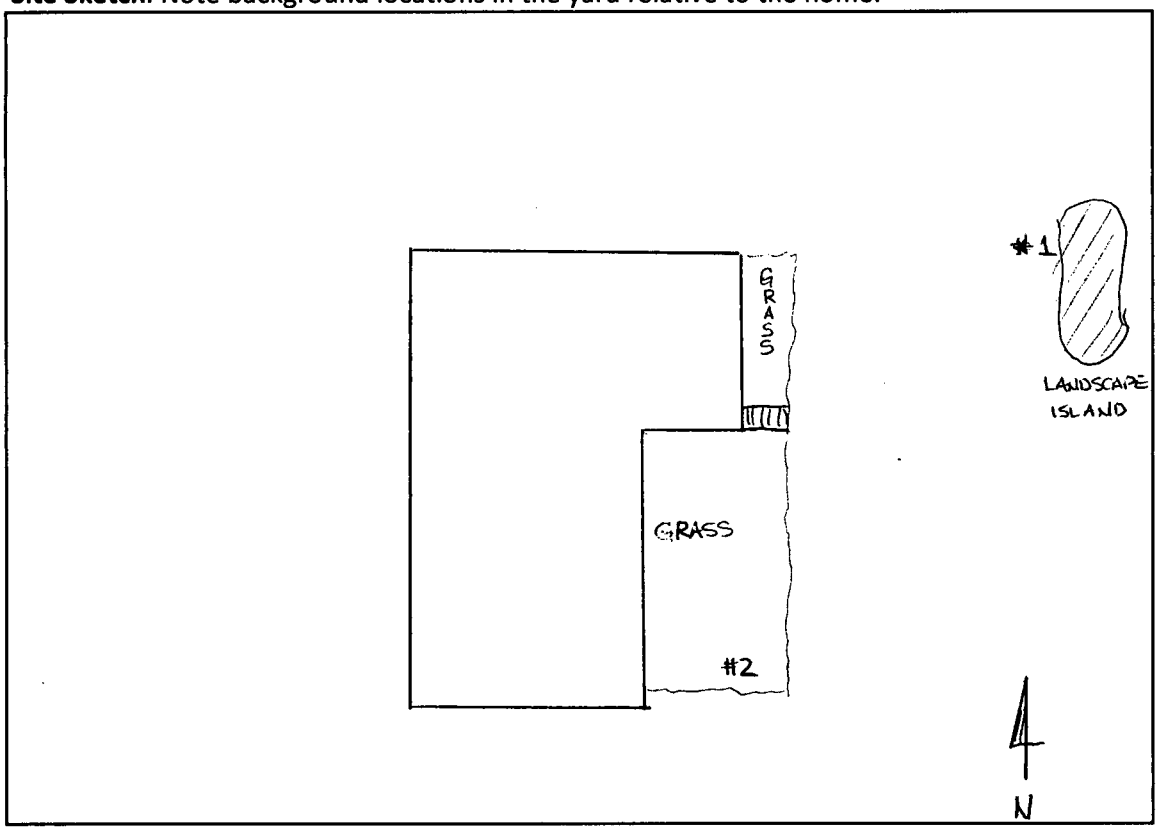
Background #1

1-min scaler time: 1010
1-min scaler reading: 10549
Location description: EAST OF HOUSE; NEXT TO LANDSCAPING ISLAND
Photo time: 0959
Photo description: FACING NORTH; LAT: 35.228839 LONG: 107.86600

Background #2

1-min scaler time: 1015
1-min scaler reading: 10605
Location description: SE ~~EL~~ OF HOUSE; SOUTH EDGE OF GRASSY AREA
Photo time: ~~9~~ 1008
Photo description: FACING NORTH; LAT: 35.228667 LONG: -107.86604

Site Sketch: Note background locations in the yard relative to the home.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQQ7Q
Date: 2/17/10
START member who completed this form: T. Evans
Other START members: O. Garren
PIC # 5 (Q1022702)
Ludlum #: 149959 Ludlum #:
Detector #: PRQ33928 Detector #:

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1002							
Ludlum readings walking from outside to inside	1024							
Readings (cpm): outside: 9,500 - 11,300 inside: 11,000 - 12,000								
Scan of entire house general: 6,800 - 12,500	1027							
Anomalous readings: average: 9,400								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,300							
Start scan of room		1030	1048	1054	1058	~~1102~~ 1058	1102	
Set up PIC in room		1014	1055	1103				
Photo of PIC in room (note in photo log)		1037	1057	1105				
Turn PIC on		1041						
Start 5-min stabilization period		1041						
End 5-min stabilization period		1046						
1-min scaler reading with Ludlum next to PIC		1047	1102	1111				
Reading:		9908	9482	9476				
Start 5-min recording period		1048	1056	1104				
End 5-min recording period		1053	1101	1109				
Download data. Save file. Clear data.				1135				
Turn PIC off				1111				

San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: BV0071
Date: 4/7/11
START member (who completed this form): J. Vaughn
Additional START members: T. Evans

Outdoor background readings
1 10316 @ 1010
2 9174
3
4
5

PIC SN: 01D2272
Ludlum SN: 163687
2x2 SN: PR112840
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11,800

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
A	1053	1058 ~~1103~~	8420	1052	10-12
B	1104	1109	10,771	1110	7-8
C	1116	1121	9824	1128	12
E	1130	1135	17,398	1136	2
F	1142	1147	8668	1149	0-1
D	—	—	—	—	3-4

PIC time On: 1042
PIC time Off: 1203

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Indoor Activities

Property ID: BV ØØ71
Date: 4/7/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS
PIC # 5 ØID2272
Ludlum #: 163687 Ludlum #: —
Detector #: ~~R~~ P 112840 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1020							
Ludlum readings walking from outside to inside	1023							
Readings (cpm): OUTSIDE 12,500-15,500; INSIDE 13,800-15,000	1024							
Scan of entire house (Avg 9,900)	1025							
Anomalous readings: 8,000 - 24,000	1035							
Indoor Threshold (Average + 1,900 cpm) (cpm): 11,800	1035							
Start scan of room		1036	1047	1056	1117	1120	1133	
Set up PIC in room		1035	1103	1115		1129	1141	
Photo of PIC in room (note in photo log)		1035	1106	1118		1132	1144	
Turn PIC on		1043						
Start 5-min stabilization period		1043						
End 5-min stabilization period		1048						
1-min scaler reading with Ludlum next to PIC		1052	1110	1128		1136	1149	
Reading: 8420 - Room A		1053	10,771	9824		17398	8668	
Start 5-min recording period		1053	1104	1116		1130	1142	
End 5-min recording period		1058	1109	1121		1135	1147	
Download data. Save file. Clear data.							1215	
Turn PIC off							1203	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: BV0071
Date: 4/7/11
START member who completed this form: J. WRIGHT
Additional START members: T. EVANS
Ludlum #: 163687
Detector #: PR 112840

**Scan every room in the house noting general readings, plus any anomalous readings

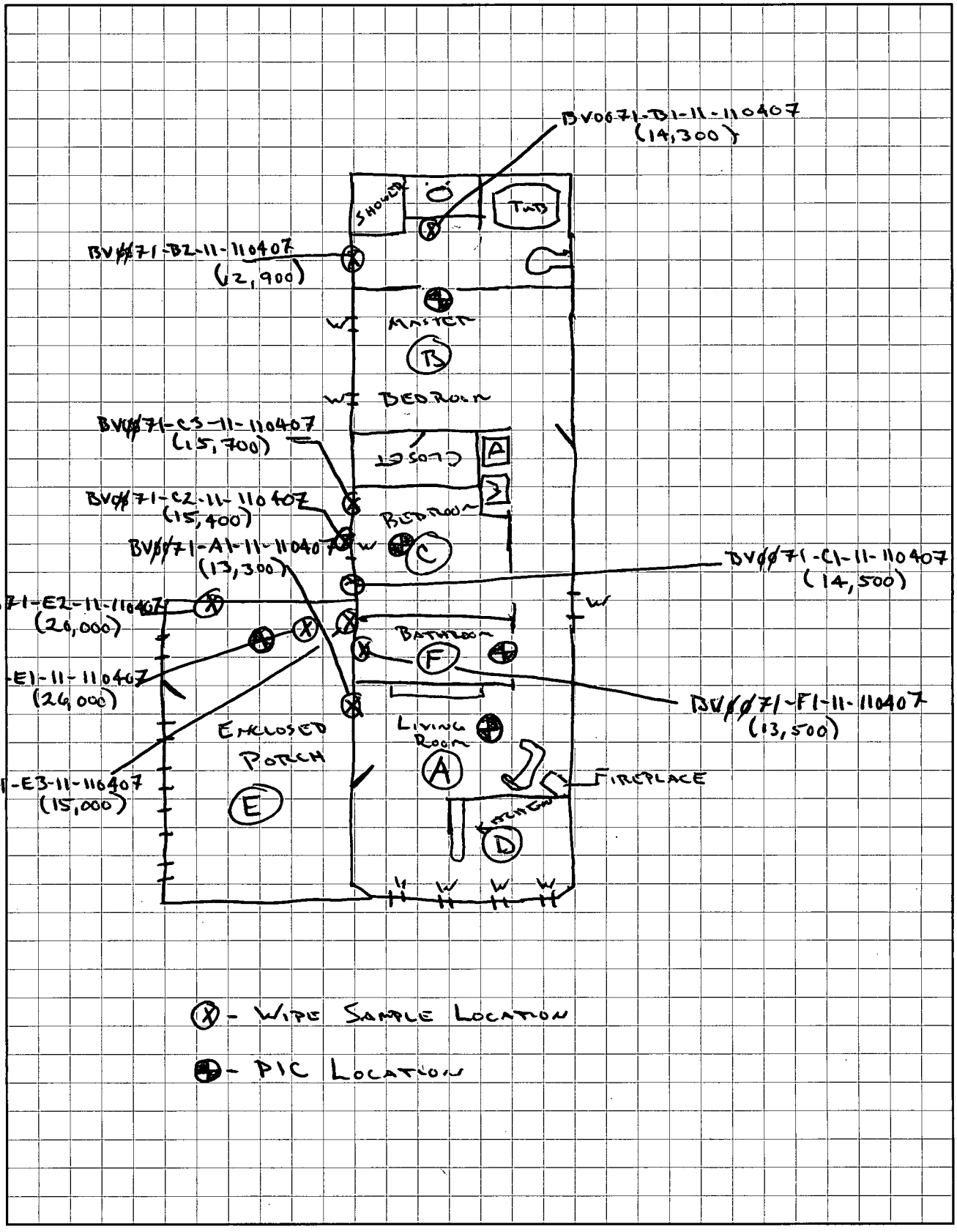
THRESHOLD (cpm): 11,800

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
A	1037	8100 – 11,500	8000 – 13,300	SE CORNER AT FLOOR
B	1047	9,000 14,300	9,800 12,900	FLOOR NEXT TO BATHROOM SINK, EAST BATHROOM WALL
C	1056	9,000 – 14,000	9,500 – 15,700	3 HS ON EAST WALL
D	1117	7,200 8,500	7,000 – 8,400	NONE
E	1120	8,000 – 26,000	8,200 – 20,000	SW CORNER ON FLOOR, SOUTH WALL; WEST WALL SW CORNER
F	1133	9,200 – 11,200	8,000 – 13,500	EAST WALL ABOVE TOILET

San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 4/7/11 Property ID: BV0071

Start Team Members:



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BVQQ71
Date: 4/7/11
START member who completed this form: T. Evans
Other START members: J. Wright

Ludlum #: 163687
Detector #: PR112840

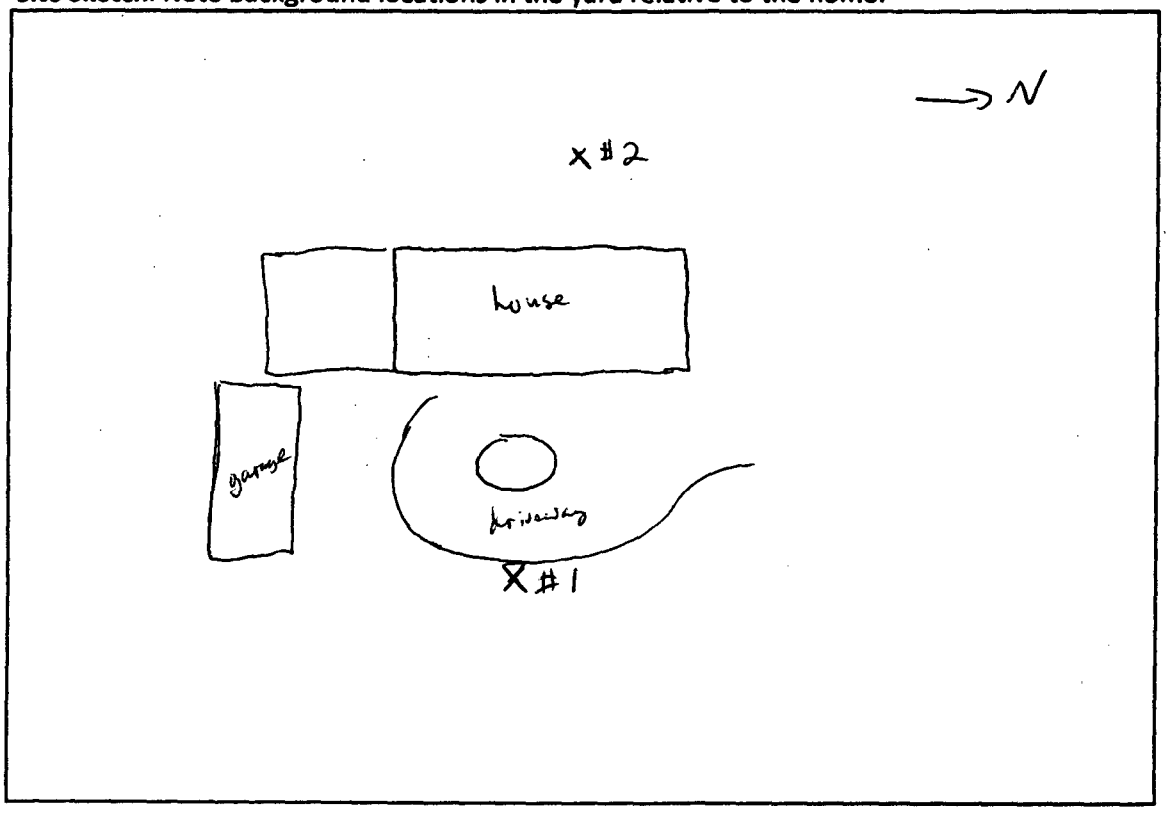
Background #1

1-min scaler time: 1010
1-min scaler reading: 10316 cpm
Location description: east of house at east edge of driveway.
Photo time: 1009
Photo description: looking at front of house, facing west.

Background #2

1-min scaler time: 1015
1-min scaler reading: 9174
Location description: backyard, halfway between house and west fence.
Photo time: 1014
Photo description: backyard facing E towards house.

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ1Q9

Date: 2/28/11

START member (who completed this form): T. Evans

Additional START members: O. Garren

Outdoor background readings

1 10122 cpm @ 1101

2 12682

3

4

5

PIC SN: 5(Q1D227Q2)

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 10,100+1,900= 12,000

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ1Q9-A	1135	1140	9819	1134	20-22
-B	1143	1148	9703	1149	8-11
-C					6
-D					6
-E					5

PIC time On: 1127

PIC time Off: 1149

In main family room on wall near master bedroom next to door	Y	N		
On corner fence post at northwest side of house	Y	N		
	N	N	1.9	
	N	N	1.9	
5th column of south wall	N	Y		
west entryway of central living area	Y	N		
south fence - 3rd down from SE corner	Y	N		
west entryway of central living area	Y	N		
south fence - 3rd down from SE corner	Y	N		
	N	N	INVALD	Test device overexposed
	N	N	INVALID	Test device overexposed
On fire alarm in hallway	N	Y		
wall between kitchen and living room	Y	N		
Wall between kitchen and living room	Y	N		Indoor detector; QC for 4795126
South corner fence in driveway	Y	N		
South corner fence in driveway	Y	N		Outdoor detector; QC for 4783490
wall between kitchen and living room	Y	N		
Wall between kitchen and living room	Y	N		Indoor detector; QC for 4795126
South corner fence in driveway	Y	N		
South corner fence in driveway	Y	N		Outdoor detector; QC for 4783490
	N	N		
	N	N		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BV0109
Date: 2/28/11
START member who completed this form: T. Evans
Other START members: P. Walsh
PIC # 5(01022702)
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1110							
Ludlum readings walking from outside to inside	1116							
Readings (cpm): outside: 10,400-13,700 cpm inside: 9,100-10,800								
Scan of entire house general: 8,200-11,700	1117							
Anomalous readings: average: 10100								
Indoor Threshold (Average + 1,900 cpm) (cpm):	12,000							
Start scan of room		1120	1126	1135	1138	1142		
Set up PIC in room		1119	1142					
Photo of PIC in room (note in photo log)		1121	1144					
Turn PIC on		1127						
Start 5-min stabilization period		1127						
End 5-min stabilization period		1132						
1-min scaler reading with Ludlum next to PIC		1134	1149					
Reading:		9819	9703					
Start 5-min recording period		1135	1143					
End 5-min recording period		1140	1148					
Download data. Save file. Clear data.			1155					
Turn PIC off			1149					

RAdata LCS Vial	Radon in Groundwater	MA0048	11/16/2010	11/16/2010
RAdata LCS Vial	Radon in Groundwater	MA0048	11/16/2010	11/16/2010
EPA Las Vegas Charcoal Canister	Indoor Radon	MA0049	1/11/2011	1/18/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	MA0049	1/11/2011	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0049	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0049	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0049	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0049	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0049	1/11/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0090	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0090	9/14/2010	
Landauer Alpha Track-Etch	Outdoor Radon	MA0090	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0090	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0091	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0091	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0091	9/14/2010	1/19/2011

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: BVQ1Q9
Date: 2/28/11
START member who completed this form: T. Evans
Additional START members: O. Gurren
Ludlum #: 149959
Detector #: PRQ339Q8

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 12,000

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ1Q9-A	1120	8,200-11,700	8,000-11,100	none * wood stove is on.
-B	1126	8,200-11,700	8,300-11,700	none
-C	1135	8,300-11,300	8,200-11,100	none
-D	1138	8,700-10,900	8,200-11,100	none
-E	1142	7,800-10,800	7,600-11,800	none

Summary

Let's put our cards on the table.

1. We learned that your drinking water tested well below the safe drinking water standard, so it is not the major or the only source of uranium exposure, if found > 0.08 µg/L in the urine samples.
2. We know that 44% of our sample from the Pueblo of Laguna had elevated (from 0.08 µg/L to 0.22 µg/L) uranium levels in their urine.

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BVQ1Q9
Date: 2/28/11
START member who completed this form: O. GARREN
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PRQ33908

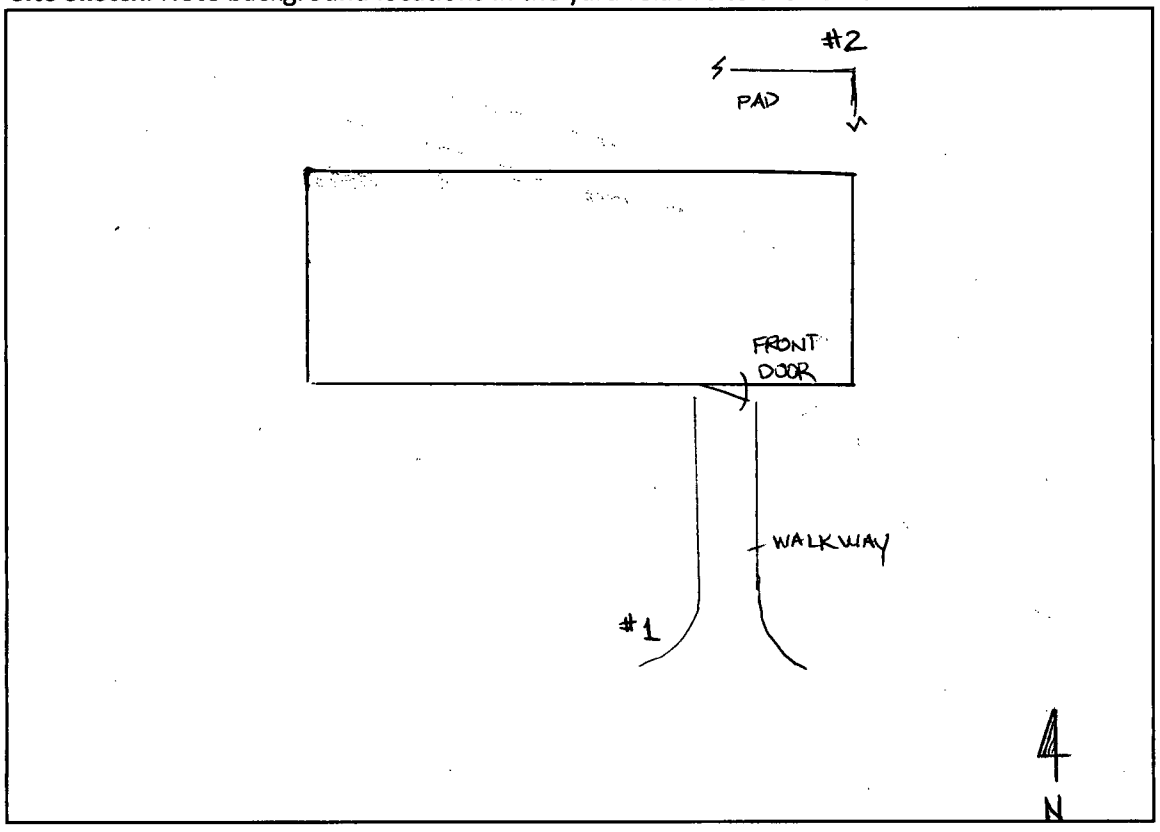
Background #1

1-min scaler time: 1101
1-min scaler reading: 10122
Location description: FRONT YARD; WEST OF WALKWAY
Photo time: 1105
Photo description: FACING NORTH; LAT: 35.226465 LONG: -107.86640

Background #2

1-min scaler time: 1106
1-min scaler reading: 12682
Location description: BACKYARD; NEAR NE CORNER OF CONCRETE PAD
Photo time: 1110
Photo description: FACING SOUTH; LAT: 35.226695 LONG: -107.86639

Site Sketch: Note background locations in the yard relative to the home.



2/17/11 Homestake Mining Assessment Phase 2 Team 1

1546 (cont) - Room Scans - Phase 2 House Sketch

- Outdoor Bkgd Locations - Wipe Sample Scaler Readings.

1620 Load equipment.

1625 Depart FAQ187.

1645 Arrive at CP. Unload equipment. Source Check Ludlum, Charge PIC, Scan and upload documents to RM. Give data to data manager.

Tony Eno 2/17/11

2/22/11 HOMESTAKE ASSESSMENT TEAM 1

TEAM: OLIN GARREN (og), PHILIP WALSH (PW) - START — og

WEATHER: MOSTLY SUNNY; HIGH: 50°F; WIND: W@11mph; PRECIP 10%

LUDLUM: 149959 ~~AR~~ og PR033908 P.I.C.: 5 (828330) — og

DELL: WSABQFIELD10 — PDA: RFW23743 — og

0800 TEAM ARRIVES AT COMMAND FOR SAFETY MTG. w/ START - DELHOMME (HYDRATION, DRIVING). PPE LEVEL: D. CHEM. & RAD. HAZ: U238; BIO HAZ: VIRUSES; PHYSICAL HAZ: SLIPS/TRIPS. — og

CALIBRATE & LOAD EQUIPMENT FOR PHASE II INDOOR ASSESSMENTS IN HOMESTAKE. — og

0940 DEPART FOR HOMESTAKE. — og

1000 ARRIVE AT BV0118 & BEGIN PHASE II — og

1025 SCAN ENTIRE HOUSE. AVERAGE READING = 10,500 CPM. + 1900 = 12,400 CPM SAMPLING THRESHOLD.

1045 TURN P.I.C. ON IN LIVING ROOM: BV0118-A. — og

1108 og TURN P.I.C. OFF IN WEST BEDROOM: BV0118-B. — og

NOTE: 1108 og DOWNLOAD & SAVE BV0118 DATA; CLEAR P.I.C. DATA. — og

NO READINGS ≥ 12,400; NO WIPE SAMPLES COLLECTED. — og

1130 LOAD EQUIPMENT & DEPART BV0118 — og

1145-1300 UPDATE PAPERWORK. — og

1330 DEPART FOR FA0053. — og

1400 ARRIVE AT FA0053 & BEGIN PHASE II — og

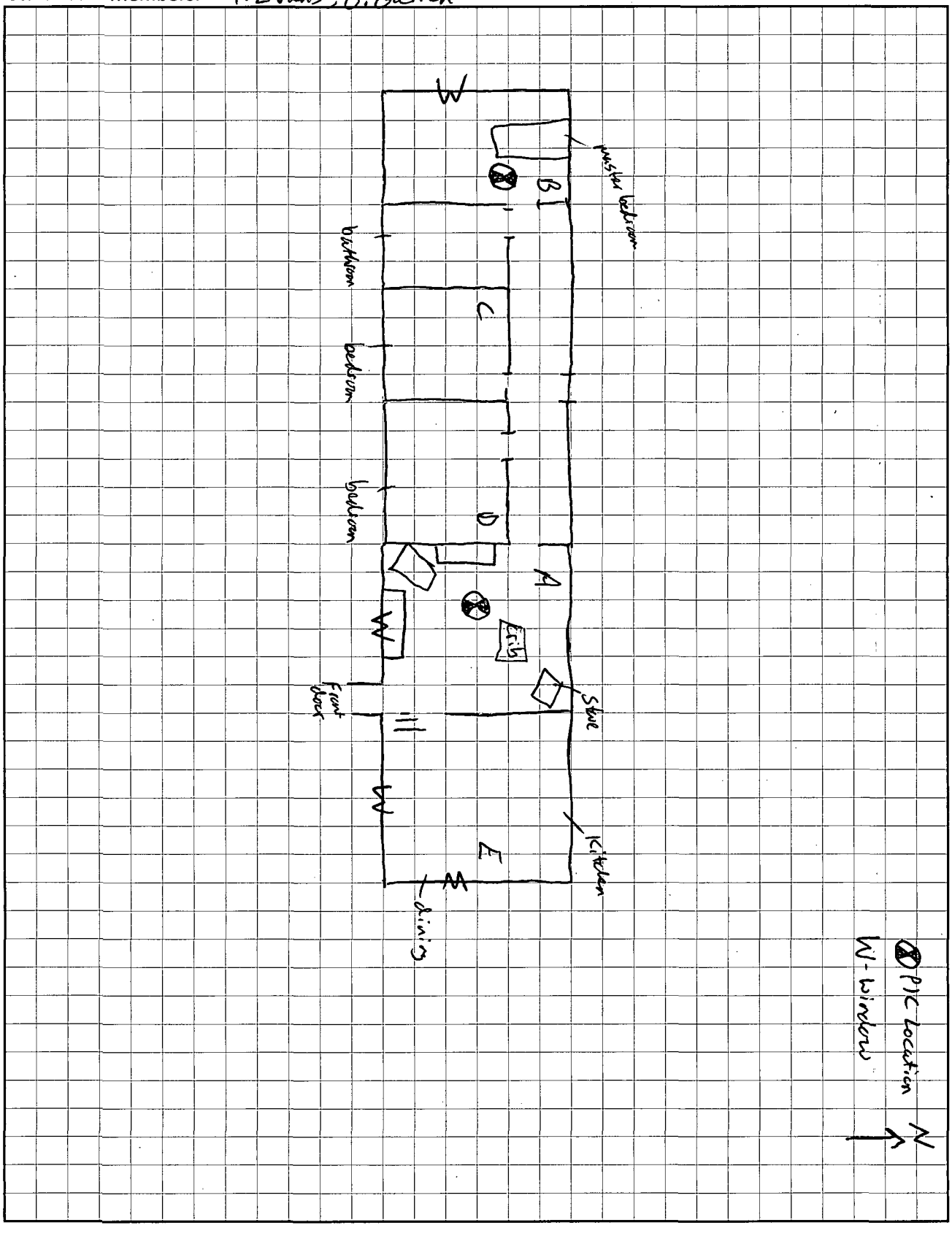
1418 SCAN ENTIRE HOUSE. AVERAGE READING: 9,500

Olin Garren

San Mateo/Oak Canyon
Phase 2 House Sketch

Date: BVQ1Q9 Property ID: BVQ1Q9

Start Team Members: T. Evans, O. Garten



RAdata LCS Vial	Radon in Groundwater	VV0016	11/18/2010	11/18/2010
RAdata LCS Vial	Radon in Groundwater	VV0016	11/18/2010	11/18/2010
RAdata LCS Vial	Radon in Groundwater	VV0016	11/18/2010	11/18/2010
Landauer Alpha Track-Etch	Indoor Radon	VV0017	10/20/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0017	10/20/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0017	10/20/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0017	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0017	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	VV0017	1/13/2011	1/17/2011
RAdata Charcoal Canister	Indoor Radon	VV0017	1/13/2011	1/17/2011
RAdata Charcoal Canister	Indoor Radon	VV0017	1/13/2011	1/17/2011
RAdata Charcoal Canister	Indoor Radon	VV0017	1/13/2011	1/17/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0040	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0040	9/14/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0040	9/14/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0040	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0040	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	VV0040	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	VV0040	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0041	9/14/2010	

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ11Q

Date: 3/12/11

START member (who completed this form): J. Evans

Additional START members: J. Wright

Outdoor background readings

1 11391

2 12108

3

4

5

PIC SN: 5 (Q1D22702)

Ludlum SN: 149159

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11,100 + 1,900 = 13,000

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ11Q-A	1338	1343	10253	1337	5
-B	1345	1350	9531	1354	8
-C					8
-D					1
-E					8
-F					1

PIC time On: 1331

PIC time Off: 1357

fence post west of shed	Y	N		
SE corner of dining room	Y	N		
	N	N	1.2	
	N	N	1.3	
West wall in hallway	N	Y		
West wall in hallway	N	Y		Annual detector; QC for 4788236
North east end of wall	Y	N		
Fence post on east side of hosue	Y	N		
North east end of wall	Y	N		
Fence post on east side of hosue	Y	N		
West bedroom on east wall	N	Y		
Doorway entering east bedroom	Y	N		
Telephone pole	Y	N		
Doorway entering east bedroom	Y	N		
Telephone pole	Y	N		
	N	N	1.4	
Family room next to fire detector	?	?		
Main hallway on left wall after hallway turns	?	?		
On chain link fence post at northwest side of property	Y	N		
On chain link fence post at northwest side of property	Y	N		
in east hallway	N	Y		
ceiling between living room and dining room	Y	N		
west fence at end of driveway	Y	N		
ceiling between living room and dining room	Y	N		
west fence at end of driveway	Y	N		
	N	N	208.4	
	N	N	232.7	
South bedroom	N	Y		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ11Q
Date: 3/12/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5(Q1D227Q2)
Ludlum #: 149959 Ludlum #: —
Detector #: PR15~~Q642~~ 7E Q339Q8 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1311							
Ludlum readings walking from outside to inside	1319							
Readings (cpm): outside: 9,900-11,000 inside: 9,800-11,000								
Scan of entire house general: 9,000-12,700	1320							
Anomalous readings: average: 11,100								
Indoor Threshold (Average + 1,900 cpm) (cpm):	13,000							
Start scan of room		1324	1332	1330	1338	1340	1344	
Set up PIC in room		1318	1345					
Photo of PIC in room (note in photo log)		1323	1347					
Turn PIC on		1331						
Start 5-min stabilization period		1331						
End 5-min stabilization period		1336						
1-min scaler reading with Ludlum next to PIC		1337	1354					
Reading:		10253	9531					
Start 5-min recording period		1338	1345					
End 5-min recording period		1343	1350					
Download data. Save file. Clear data.			1405					
Turn PIC off			1357					

Landauer Alpha Track-Etch	Indoor Radon	FA0087	1/16/2011	
Landauer Alpha Track-Etch	Outdoor Radon	FA0087	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	FA0087	1/11/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	FA0087	1/11/2011	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	FA0187	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	FA0187	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	FA0187	9/14/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	FA0187	1/18/2011	
Landauer Alpha Track-Etch	Outdoor Radon	FA0187	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	FA0187	1/11/2011	1/18/2011
RAdata Charcoal Canister	Indoor Radon	FA0187	1/11/2011	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0005	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0005	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0005	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0005	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0005	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0005	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0005	1/19/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0005	1/19/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0005	1/19/2011	
EPA Las Vegas Charcoal Canister	Indoor Radon	MA0021	1/11/2011	1/19/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	MA0021	1/11/2011	1/19/2011

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

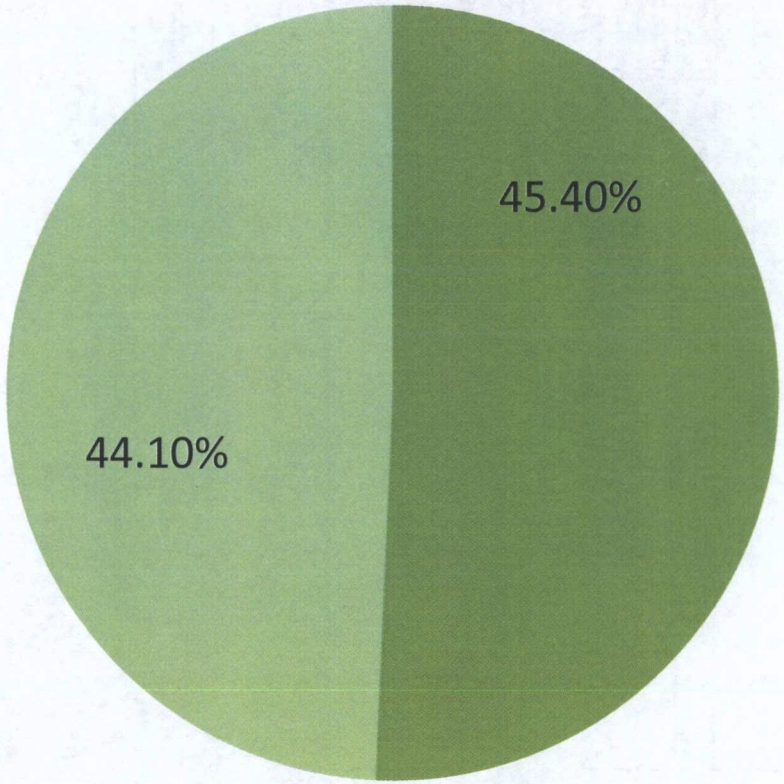
Property ID: BVQ11Q
Date: 3/12/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PR033928

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 13,000

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ11Q-A	1324	9,800-12,300	8,800-12,600	none
-B	1332	9,500-12,300	8,100-11,500	none
-C	1330	9,700-11,800	8,700-11,000	none
-D	1338	9,500-11,500	8,100-11,300	none
-E	1340	9,500-12,500	8,500-11,500	none
-F	1344	9,400-11,000	8,000-10,500	none

Have you done any gardening/collecting plants in Cibola and/or McKinley County in the past 30 days? Pueblo of Laguna



- Yes & elevated uranium in urine
- No & elevated uranium in urine

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BV0110
Date: 3/12/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PR033908

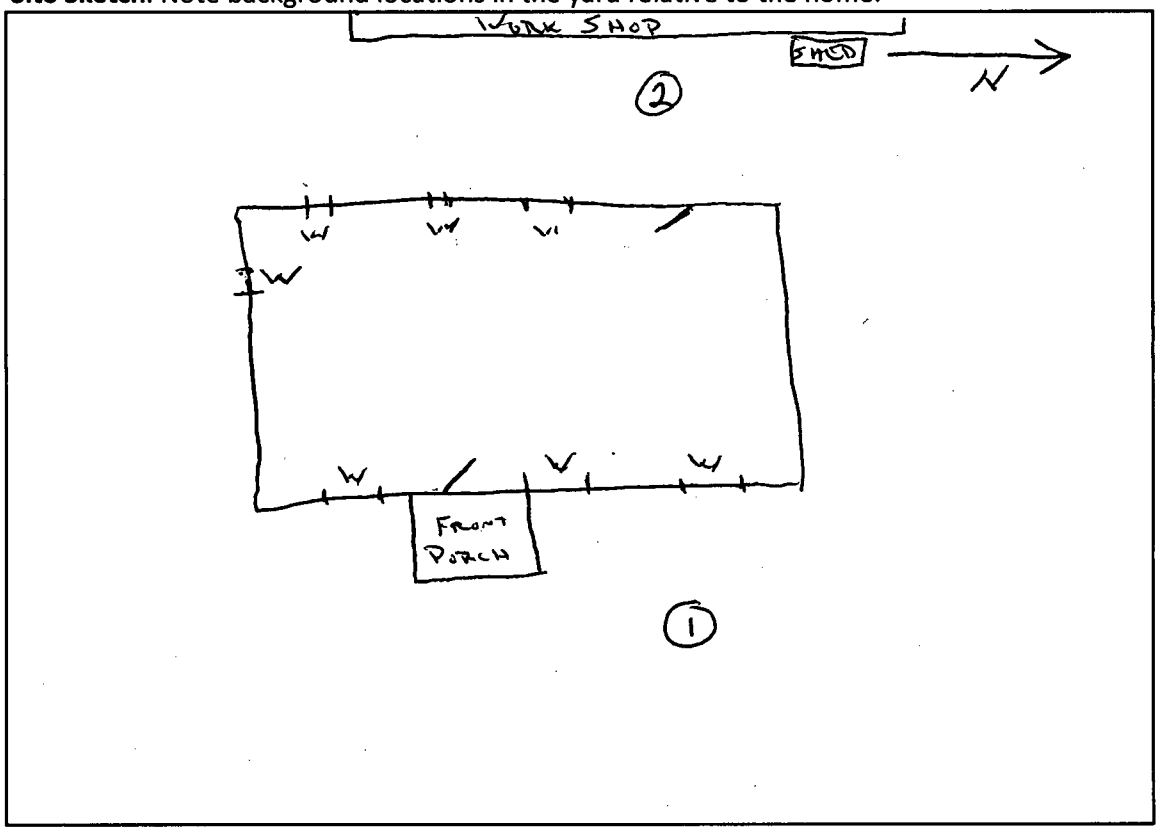
Background #1

1-min scaler time: 1305
1-min scaler reading: 11391
Location description: FRONT YARD BACKGROUND LOCATION NE OF FRONT DOOR.
Photo time: 1306
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1312
1-min scaler reading: 12108
Location description: BACK YARD BACKGROUND LOCATION WEST OF BACK DOOR
Photo time: 1312
Photo description: BACKYARD BACKGROUND LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.

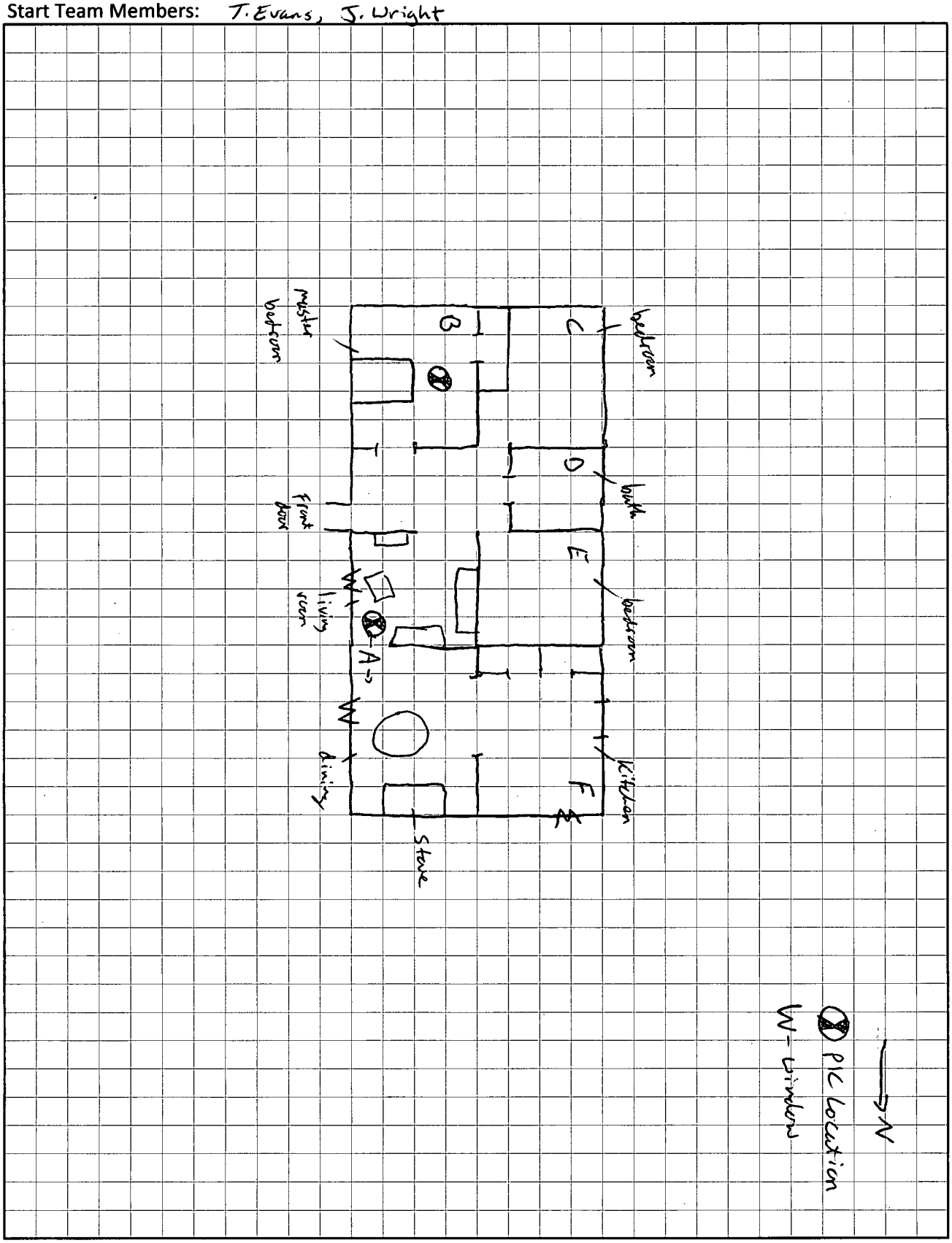


Questions from the Council

San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 3/12/11 Property ID: BVQ11Q

Start Team Members: T. Evans, J. Wright



Landauer Alpha Track-Etch	Outdoor Radon	PV0012	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0012	1/11/2011	
RAdata LCS Vial	Radon in Groundwater	PV0012	11/17/2010	11/17/2010
RAdata LCS Vial	Radon in Groundwater	PV0012	11/17/2010	11/17/2010
Landauer Alpha Track-Etch	Indoor Radon	PV0026	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0026	9/15/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0026	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0026	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0026	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	PV0026	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	PV0026	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0027	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0027	9/15/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0027	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0027	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0027	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	PV0027	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	PV0027	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0030	10/21/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0030	10/21/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0030	10/21/2010	

San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: BVQ111
Date: 3/19/11
START member (who completed this form): T. Evans
Additional START members: P. Vasquez

Outdoor background readings
1 12700 cpm
2 12801 cpm
3
4
5

PIC SN: Q1022702
Ludlum SN: 149959
2x2 SN: PRQ33908
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11,200 + 1,900 = 13,100

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ111-A	1055	1100	10271	1054	10
-B	1102	1107	10185	1114	8
-C					0
-D					3
-E					4-5
-F					8

PIC time On: 1048
PIC time Off: 1115

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ111
Date: 3/19/11
START member who completed this form: T. Evans
Other START members: P. Vasquez
PIC # Q1D227Q2
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ33928 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1015							
Ludlum readings walking from outside to inside	1028							
Readings (cpm): Outside: 9,300-13,300 inside: 10,100-13,200								
Scan of entire house; range: 9,300 - 14,900	1029							
Average reading: 11,200								
Indoor Threshold (Average + 1,900 cpm) (cpm):	13,100							
Start scan of room		1036	1048	1057	1100	1102		
Set up PIC in room		1033	1101	|	|	|		
Photo of PIC in room (note in photo log)		1038	1113	|	|	|		
Turn PIC on		1048						
Start 5-min stabilization period		1048						
End 5-min stabilization period		1053						
1-min scaler reading with Ludlum next to PIC		1054	1114	|	|	|		
Reading:		10271	10185	|	|	|		
Start 5-min recording period		1055	1102	|	|	|		
End 5-min recording period		1100	1107	|	|	|		
Download data. Save file. Clear data.			1120	|	|	|		
Turn PIC off			1115	|	|	|		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: BVQ111
Date: 3/19/11
START member who completed this form: T. Evans
Additional START members: P. Vasquez
Ludlum #: 149959
Detector #: PRQ33988

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 13,100

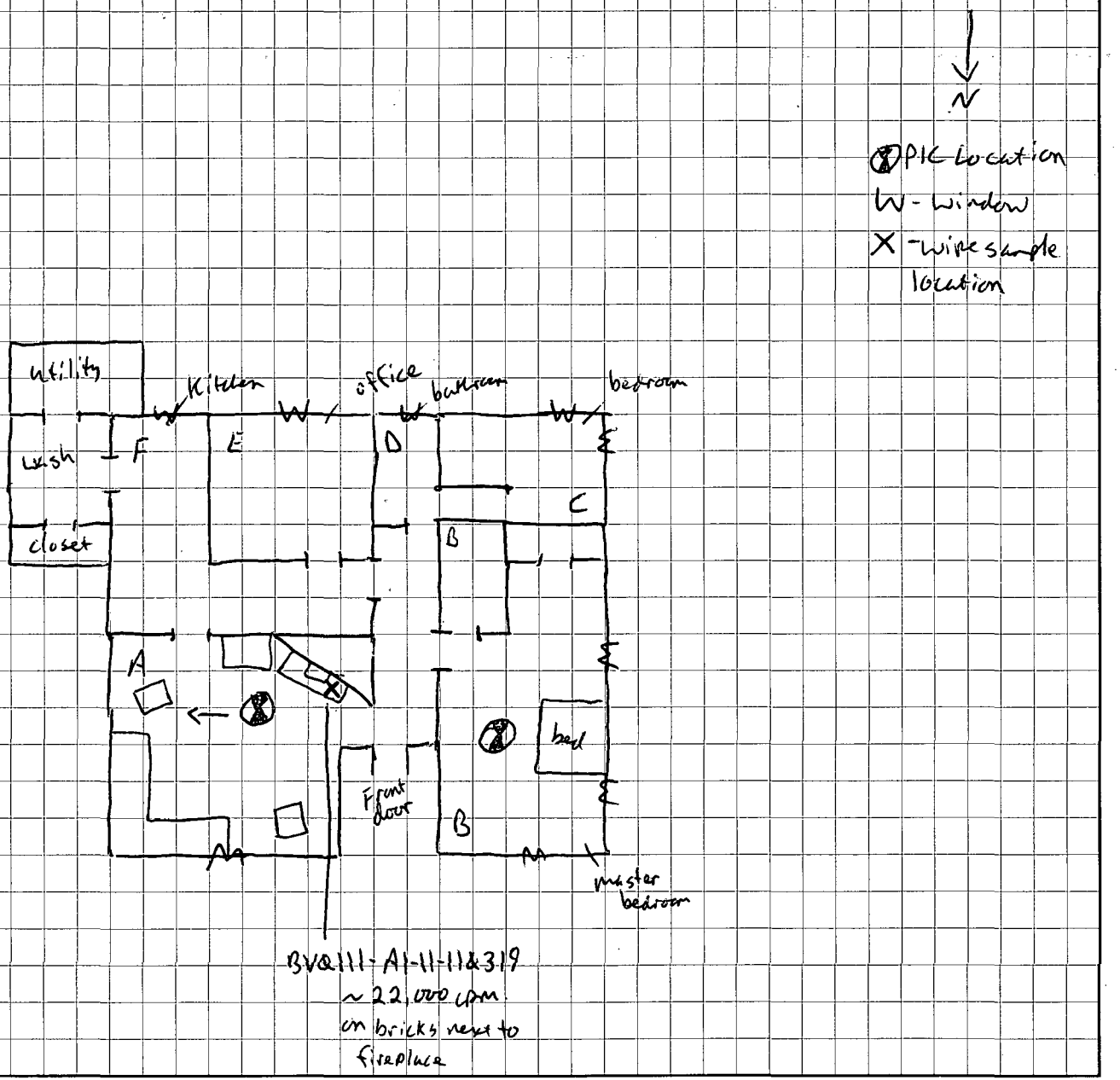
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ111 - A	1036	9,200-22,000	8,800-21,000	bricks at fireplace.
-B	1048	10,100-12,900	8,500-11,000	none
-C	1037	9,800-12,800	9,300-11,100	none
-D	1100	8,800-11,800	8,100-10,500	none
-E	1102	7,800-11,200	7,600-9,800	none
-F	1105	9,700-11,000	8,100-9,500	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQ111

Date: 3/19/11

Start Team Members: T. Evans, P. Vasquez



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BVQ111
Date: 3/19/11
START member who completed this form: P. Vasquez
Other START members: J. Evans

Ludlum #: 149959
Detector #: PRQ339Q8

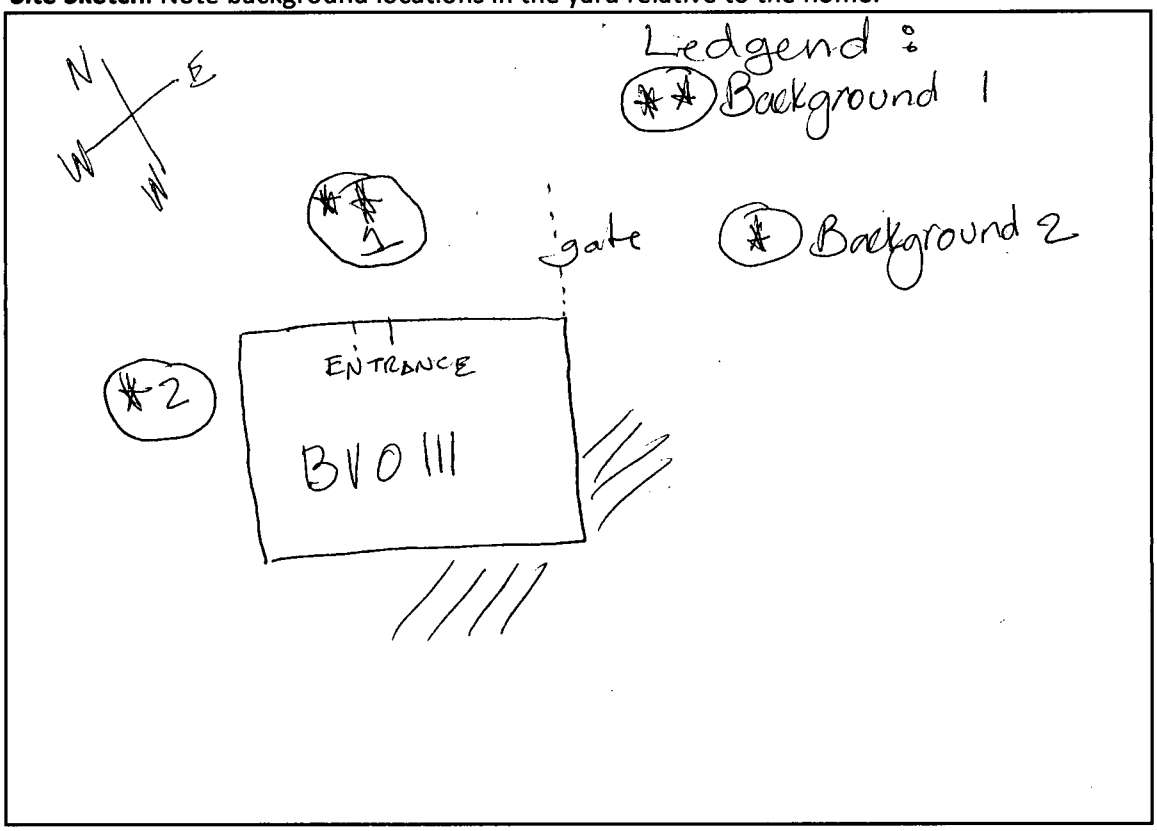
Background #1

1-min scaler time: 10:15
1-min scaler reading: 12700
Location description: Background 1
Photo time:
Photo description: location: Front yard

Background #2

1-min scaler time: 10:18
1-min scaler reading: 12801
Location description: Background 2
Photo time:
Photo description: location: NW corner of house

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ112

Date: 3/14/11

START member (who completed this form): J. Evans

Additional START members: J. Wright

Outdoor background readings

1 12695 cpm

2 14089 cpm.

3

4

5

PIC SN: 5 (QID 22702)

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 13,500 + 1,900 = 15,400

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ112-A	1048	1053	12718	1047	16
-B	1055	1100	10749	1106	8
-C					0
-D					0
-E	1109	1114	12744	1116	2
-F	1118	1123	13079	1124	1-2
-G	1125	1130	12083	1131	0

PIC time On: 1041

PIC time Off: 1131

Master bedroom next to kitchen near smoke detector	N	Y		
Side hallway leading to spare bedrooms, on wall next to smoke detector	Y	N		
On front yard fence post along street, first post west of drivewar	Y	N		
Side hallway leading to spare bedrooms, on wall next to smoke detector	Y	N		
On front yard fence post along street, first post west of drivewar	Y	N		
In hallway by spare bedrooms on wall around corner	N	Y		
In dining room/familiy room near smoke drectors on wall	Y	N		
On metal post at top of driveway by fence to backyard	Y	N		Wrong detector ID?
In dining room/familiy room near smoke drectors on wall	Y	N		
On metal post at top of driveway by fence to backyard	Y	N		
South end of main hallway	N	Y		
south wall in north bedroom	Y	N		
Chain link fence near NE	Y	N		
south wall in north bedroom	Y	N		
Chain link fence near NE	Y	N		
	N	N	8.9	
	N	N	9.6	
above fire alarm in hallway	N	Y		
SE corner of dining room	Y	N		
fence post west of shed	Y	N		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ112
Date: 3/14/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5 (Q1D227Q2)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ339Q8 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1011							
Ludlum readings walking from outside to inside	1029							
Readings (cpm): outside: 12,800-13,600 inside: 12,500-14,000								
Scan of entire house general: 11,500-17,000	1030							
Anomalous readings: average: 13,500								
Indoor Threshold (Average + 1,900 cpm) (cpm):	15,400							
Start scan of room		1034	1040	1043	1047	1050	1055	1059
Set up PIC in room		1022	1054	|	|	1108	1117	1124
Photo of PIC in room (note in photo log)		1030	1056	|	|	1109	1117	1128
Turn PIC on		1041						
Start 5-min stabilization period		1041						
End 5-min stabilization period		1046						
1-min scaler reading with Ludlum next to PIC		1047	1106	|	|	1116	1124	1131
Reading:		12718	10749	|	|	~~16650~~ 13244	13079	12083
Start 5-min recording period		1048	1055	|	|	1109	1118	1125
End 5-min recording period		1053	1100	|	|	1114	1123	1130
Download data. Save file. Clear data.			|	|	|	|	|	1136
Turn PIC off			|	|	|	|	|	1131

RAdata LCS Vial	Radon in Groundwater	FA0052	11/16/2010	11/16/2010
RAdata LCS Vial	Radon in Groundwater	FA0052	11/16/2010	11/16/2010
RAdata LCS Vial	Radon in Groundwater	FA0052	11/16/2010	11/16/2010
Landauer Alpha Track-Etch	Indoor Radon	FA0053	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	FA0053	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	FA0053	9/15/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	FA0053	1/16/2011	
Landauer Alpha Track-Etch	Outdoor Radon	FA0053	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	FA0053	1/11/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	FA0053	1/11/2011	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	FA0075	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	FA0075	9/16/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	FA0075	9/16/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	FA0075	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	FA0075	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	FA0076	10/21/2010	
Landauer Alpha Track-Etch	Indoor Radon	FA0076	10/21/2010	
Landauer Alpha Track-Etch	Outdoor Radon	FA0076	10/21/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	FA0076	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	FA0087	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	FA0087	9/16/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	FA0087	9/16/2010	1/15/2011

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

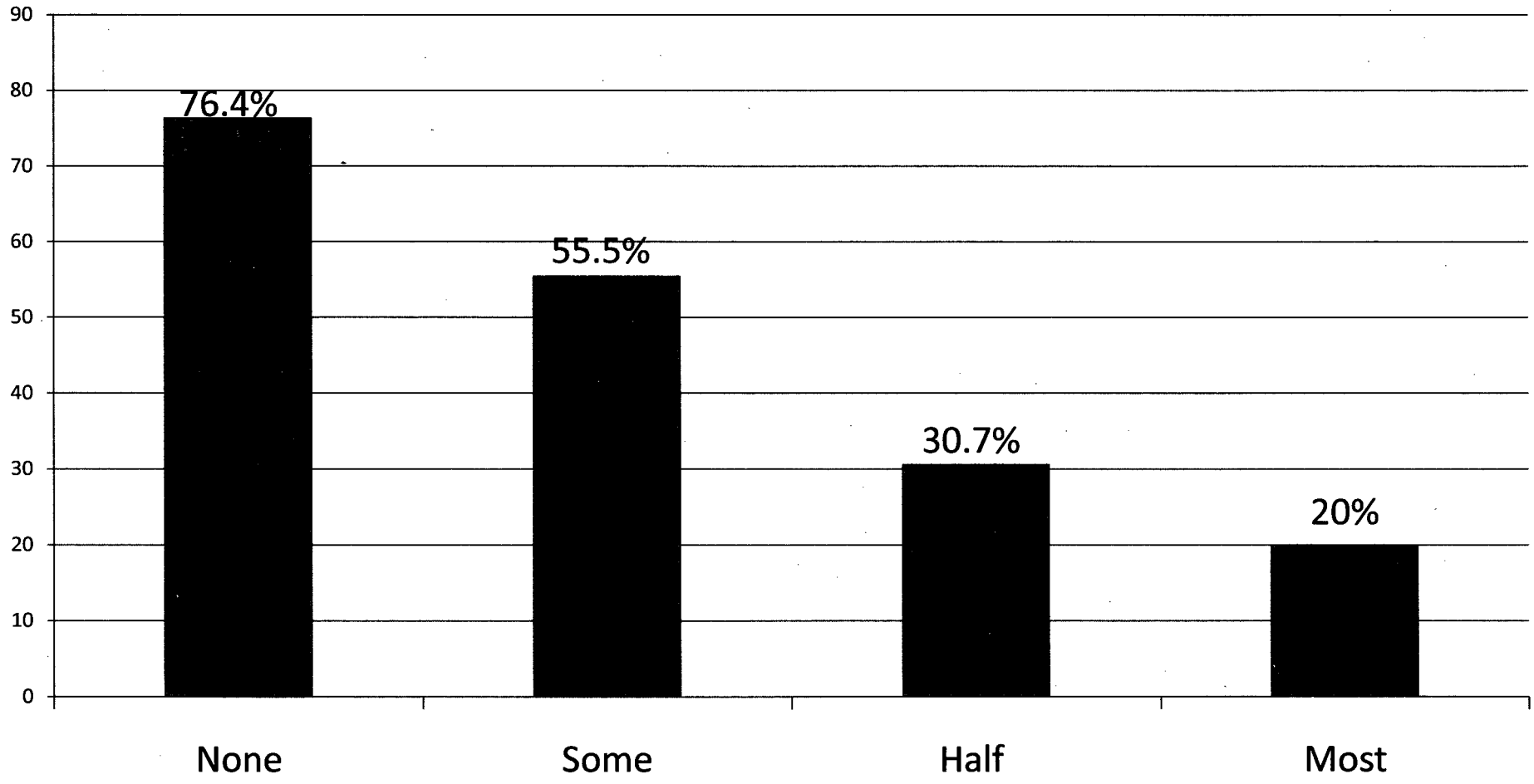
Property ID: BVQ112
Date: 3/14/11
START member who completed this form: J. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 15,400

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ112-A	1034	11,100-17,500	9,900-16,000	on floor near north door (carpet), on N wall below window ~~on floor~~.
-B	1040	11,100-13,700	9,500-11,800	None
-C	1043	11,100-13,200	10,200-13,900	none
-D	1047	11,200-14,000	10,000-12,800	none
-E	1050	13,700-16,000	10,800-13,400	on floor (carpet) in front of brown roller table
-F	1055	13,000-22,000	11,300-14,000	on floor (carpet) right of toilet.
-G	1059	13,000-16,000	9,800-13,200	on floor (carpet) x2

Over the course of a year, what portion of the fruits, vegetables and meat that you eat are raised locally? Pueblo of Laguna

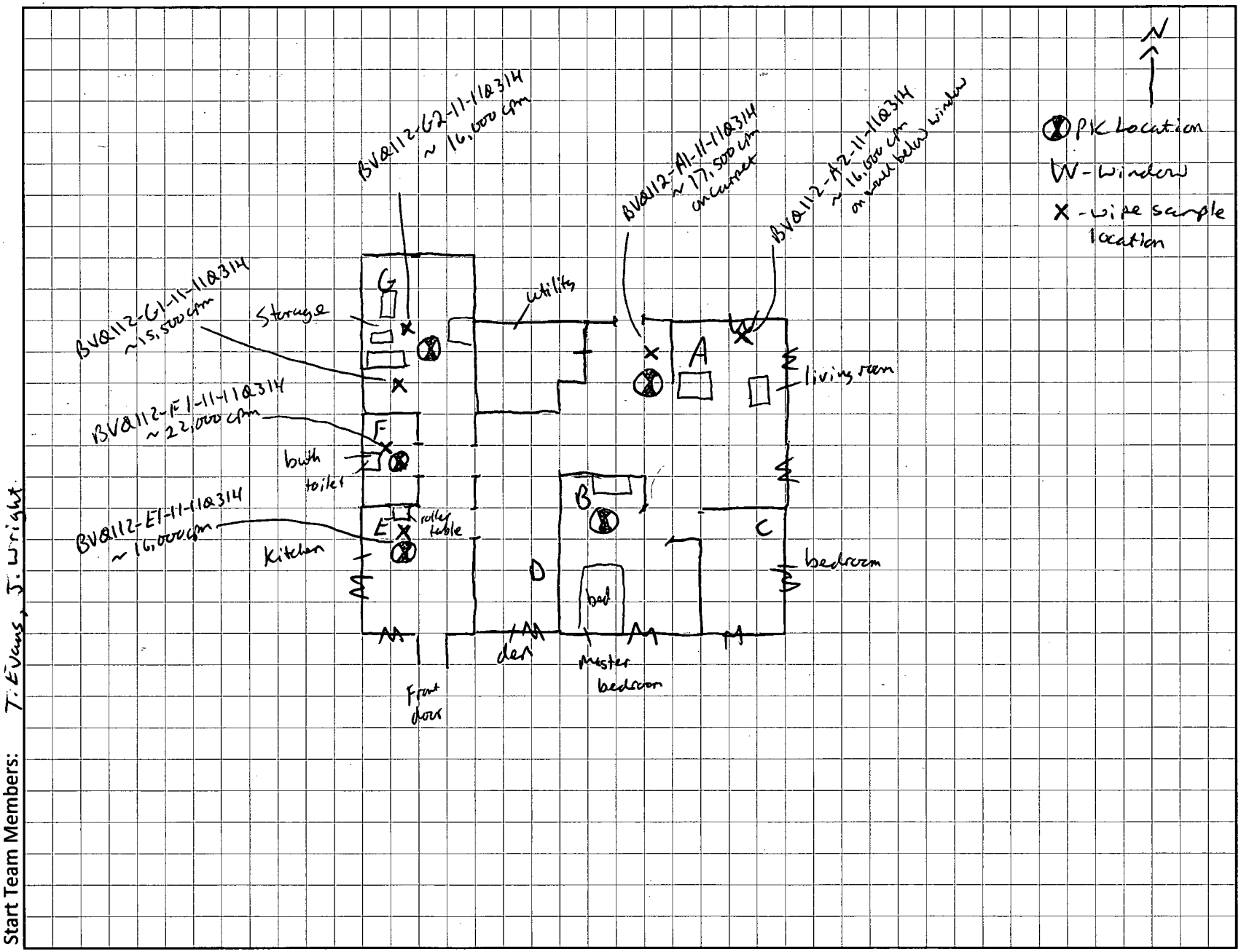


San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQ112

Date: 3/14/11

Start Team Members: T. Evans, J. Wright



RAdata LCS Vial	Radon in Groundwater	PV0006	11/18/2010	11/18/2010
RAdata LCS Vial	Radon in Groundwater	PV0006	11/18/2010	11/18/2010
EPA Las Vegas Charcoal Canister	Indoor Radon	PV0008	1/11/2011	1/18/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	PV0008	1/11/2011	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0008	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0008	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0008	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0008	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0008	1/11/2011	
Landauer Alpha Track-Etch	Indoor Radon	PV0009	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0009	9/15/2010	1/18/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0009	9/15/2010	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0009	1/18/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0009	1/18/2011	
EPA Las Vegas Charcoal Canister	Indoor Radon	PV0012	1/11/2011	1/18/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	PV0012	1/11/2011	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0012	9/15/20100	
Landauer Alpha Track-Etch	Indoor Radon	PV0012	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0012	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0012	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0012	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0012	1/11/2011	
Landauer Alpha Track-Etch	Indoor Radon	PV0012	1/11/2011	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BV 0112
Date: 3/14/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PR033908

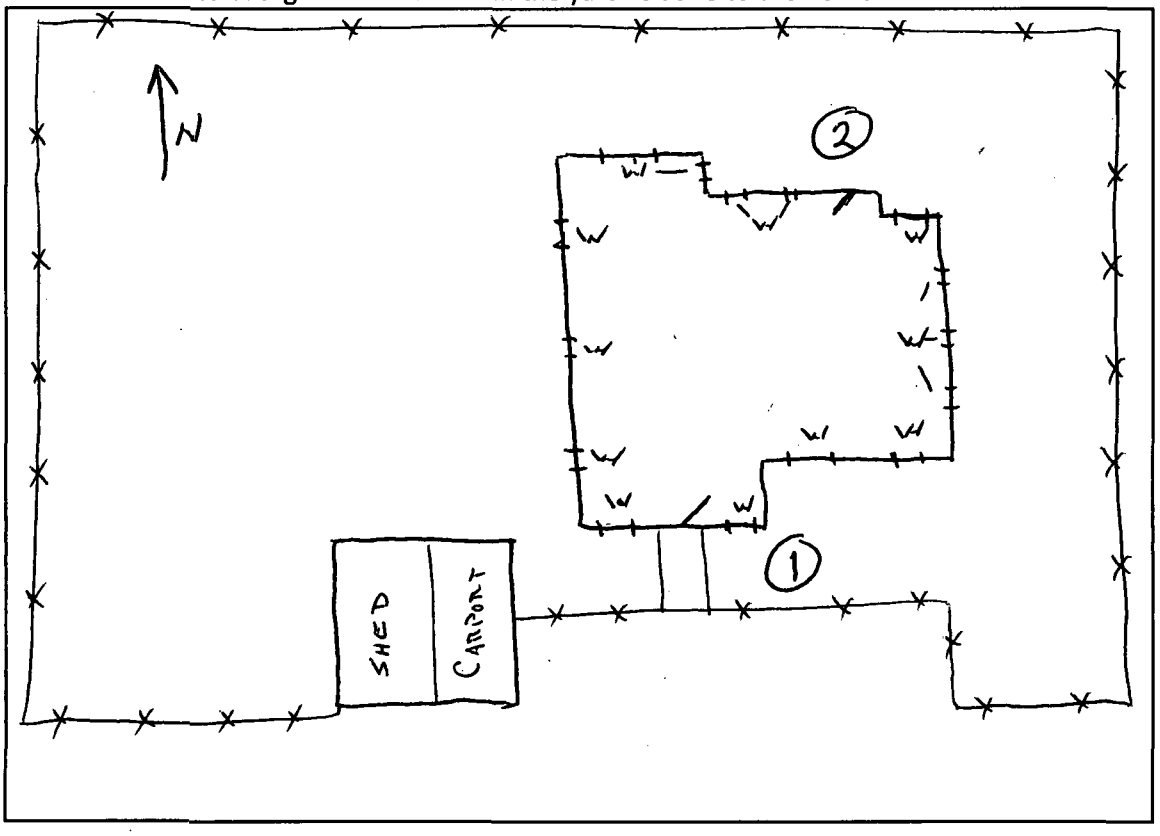
Background #1

1-min scaler time: 1015
1-min scaler reading: 12695
Location description: FRONT YARD BACKGROUND LOCATION ESE OF FRONT DOOR IN GRASS AREA.
Photo time: 1016
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1020
1-min scaler reading: 14089
Location description: BACKYARD BACKGROUND LOCATION N OF BACK DOOR IN DIRT AREA.
Photo time: 1021
Photo description: BACKYARD BACKGROUND LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.



How can people protect themselves from uranium exposure?

- **3. By avoiding exposure in these ways:**
  - Treat sources of drinking water that have 30 µg/L of uranium or more
  - Wash hands after activities in uranium-contaminated areas
  - Wash fruits and vegetables (peel if root) before eating
  - Avoid growing vegetables and fruit in areas with high uranium concentration in soil
  - When possible, avoid exercise and activities in areas with uranium tailings
  - Also, avoid outdoor activities on windy days to avoid breathing in the dust

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ113

Date: 3/14/11

START member (who completed this form): J. Evans

Additional START members: J. Wright

Outdoor background readings

1 11584 cpm

2 11204 cpm

3

4

5

PIC SN: 5 (QID22702)

Ludlum SN: 149959

2x2 SN: PRQ339Q8

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,000 + 1,900 = 10,900

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ113-A	1438	1443	8624	1437	10
-B	1444	1449	8077	1451	8
-C					10
-D					3
-E					2
-F					2

PIC time On: 1431

PIC time Off: 1451

On TV stand between wood stove and kitchen doorway	Y	N		
On TV stand between wood stove and kitchen doorway	Y	N		Indoor detector; QC for 4783410
	N	N	329.2	
	N	N	354.1	
entry way at north end of dining room	N	Y		
beam in dining area - south end	Y	N		
fence in center of driveway - east side	Y	N		
beam in dining area - south end	Y	N		
fence in center of driveway - east side	Y	N		
Main hallwa at end on ceiling	N	Y		
Side hallway on ceiling	Y	N		
East side near fence on metal post	Y	N		
East side near fence on metal post	Y	N		Outdoor detector; QC for 4783486
Side hallway on ceiling	Y	N		
East side near fence on metal post	Y	N		Outdoor detector; QC for 4783486
East side near fence on metal post	Y	N		
North wall of sun room	N	Y		
On north wall by bathroom	Y	N		
On down spout on W corner	Y	N		
On north wall by bathroom	Y	N		
On down spout on W corner	Y	N		
East hall wall	?	?		
North wall in W corner	?	?		
Fence post near front porch	Y	N		
Fence post near front porch	Y	N		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ113
Date: 3/14/11
START member who completed this form: J. Evans
Other START members: J. Wright
PIC # 5(Q1D227Q2)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ339Q8 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1407							
Ludlum readings walking from outside to inside	1422							
Readings (cpm): outside: 10,500-11,200 inside: 7,700-8,800								
Scan of entire house general: 7,500-10,000	1423							
Anomalous readings: average: 9,000	~~10,900~~							
Indoor Threshold (Average + 1,900 cpm) (cpm):	10,900							
Start scan of room		1426	1428	1432	1434	1438	1440	
Set up PIC in room		1417	1443	|	|	|	|	
Photo of PIC in room (note in photo log)		1425	1444	|	|	|	|	
Turn PIC on		1431						
Start 5-min stabilization period		1431						
End 5-min stabilization period		1436						
1-min scaler reading with Ludlum next to PIC		1437	1451	|	|	|	|	
Reading:		8624	8077	|	|	|	|	
Start 5-min recording period		1438	1444	|	|	|	|	
End 5-min recording period		1443	1449	|	|	|	|	
Download data. Save file. Clear data.			1456	|	|	|	|	
Turn PIC off			1451	|	|	|	|	

Landauer Alpha Track-Etch	Indoor Radon	BV0159	1/19/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0159	1/19/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0159	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0160	10/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0160	10/16/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0160	10/16/2010	1/19/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0160	1/19/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0160	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0191	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0191	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0191	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0191	1/19/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0191	1/19/2011	
RAdata LCS Vial	Radon in Groundwater	BV0191	11/16/2010	11/16/2010
RAdata LCS Vial	Radon in Groundwater	BV0191	11/16/2010	11/16/2010
EPA Las Vegas Charcoal Canister	Indoor Radon	FA0052	1/11/2011	1/18/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	FA0052	1/11/2011	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	FA0052	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	FA0052	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	FA0052	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	FA0052	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	FA0052	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	FA0052	1/11/2011	
Landauer Alpha Track-Etch	Indoor Radon	FA0052	1/11/2011	
RAdata LCS Vial	Radon in Groundwater	FA0052	11/16/2010	11/16/2010

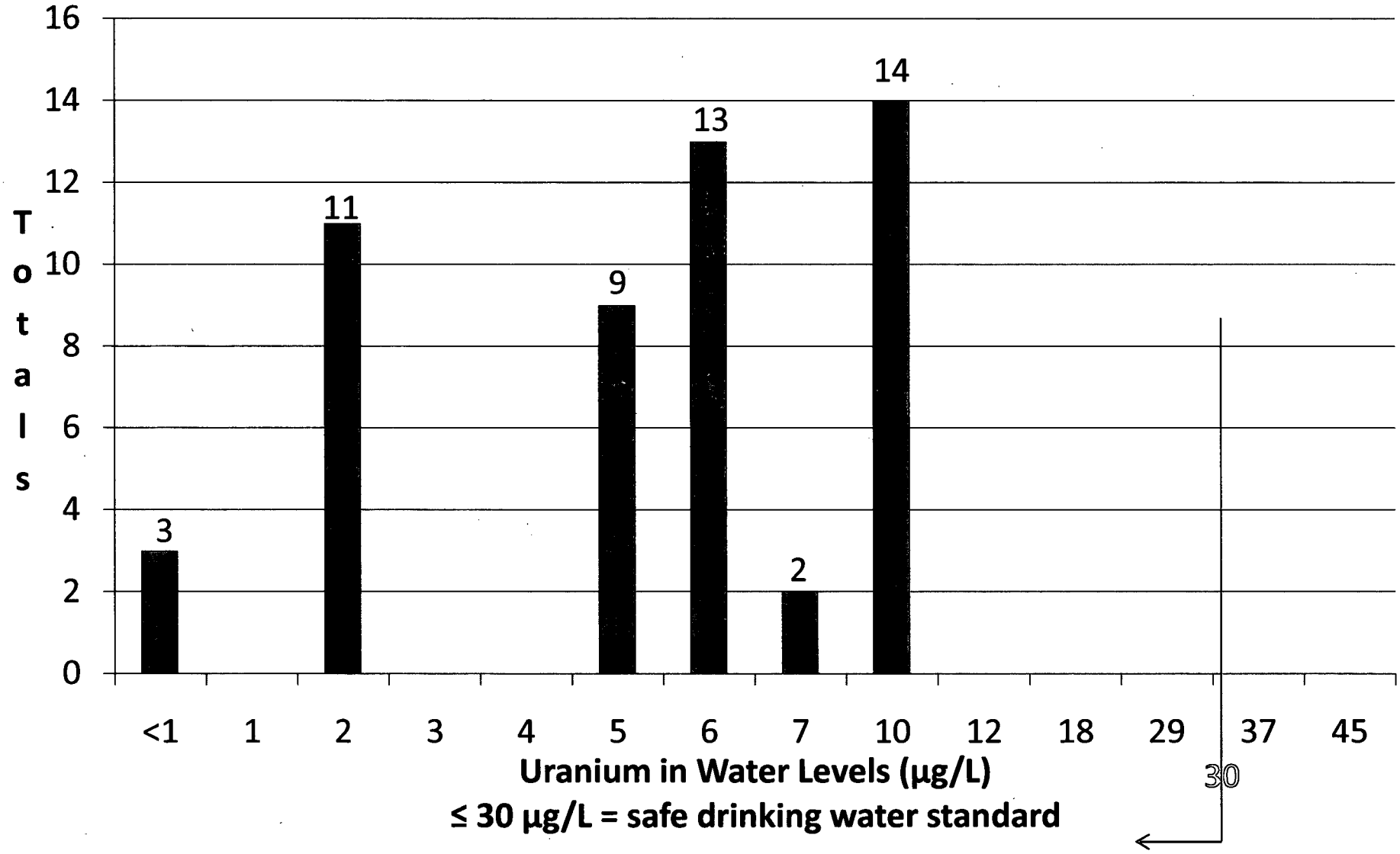
Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: BVQ113
Date: 3/14/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 10,900

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ113-A	1426	7,000-9,600	7,000-9,500	none
-B	1428	7,500-9,800	7,500-10,200	none
-C	1432	8,600-10,500	8,000-10,100	none
-D	1434	8,100-10,100	6,500-10,100	none.
-E	1438	8,800-10,400	8,400-10,500	none
-F	1440	8,600-10,200	8,500-10,500	none.

Uranium in Water Levels (µg/L)
Pueblo of Laguna

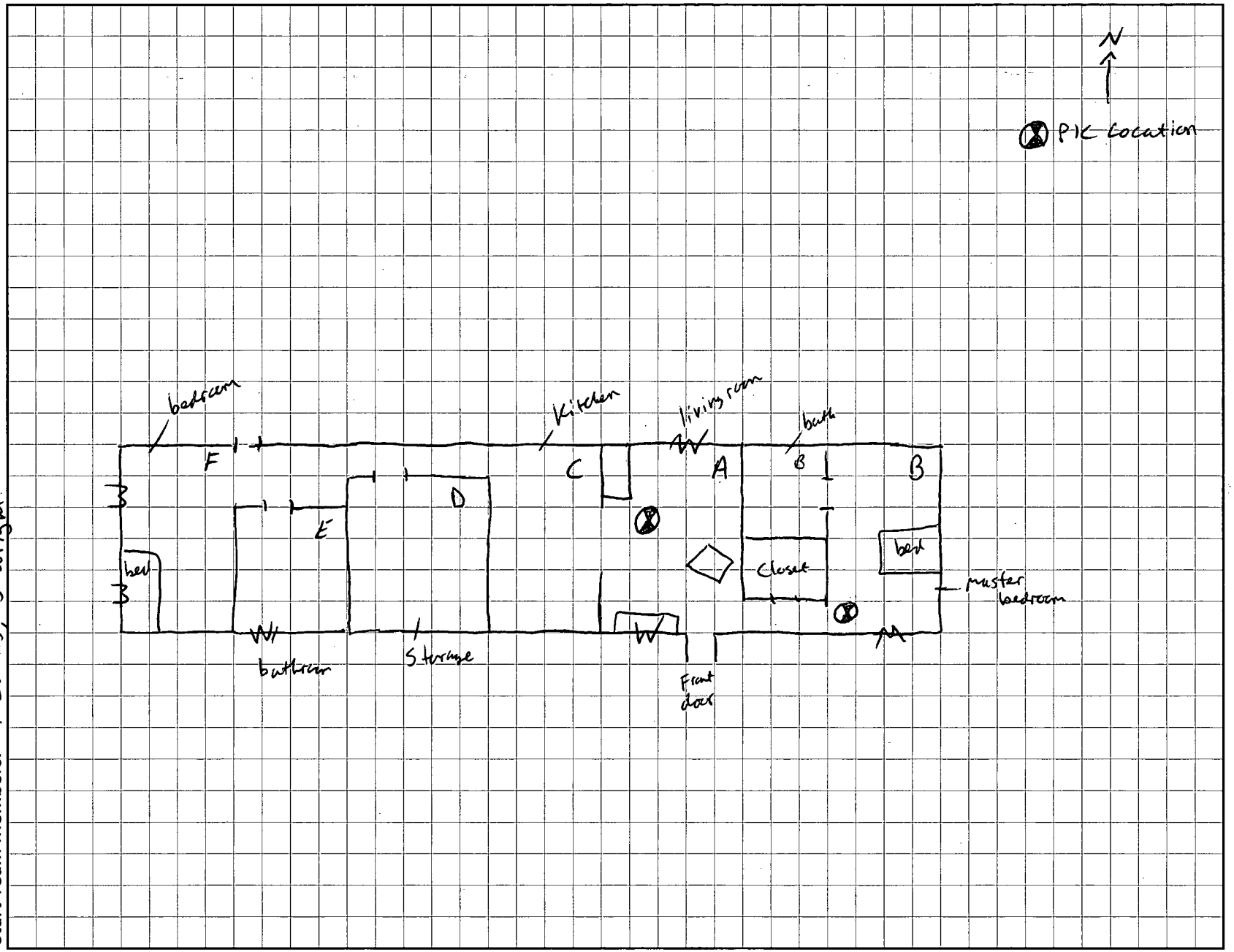


San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQ113

Date: 3/14/11

Start Team Members: T. Evans, J. Wright



Landauer Alpha Track-Etch	Outdoor Radon	OT0035	9/16/2010	
Landauer Alpha Track-Etch	Outdoor Radon	OT0035	11/18/2010	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	OT0035	1/16/2011	
Landauer Alpha Track-Etch	Indoor Radon	OT0035	1/16/2011	
Landauer Alpha Track-Etch	Outdoor Radon	OT0035	1/16/2011	
RAdata Charcoal Canister	Indoor Radon	OT0035	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	OT0035	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	OT0035	1/12/2011	1/16/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	PV0004	1/11/2011	1/18/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	PV0004	1/11/2011	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0004	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0004	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0004	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0004	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0004	1/11/2011	
Landauer Alpha Track-Etch	Indoor Radon	PV0006	10/22/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0006	10/22/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0006	10/22/2010	
Landauer Alpha Track-Etch	Outdoor Radon	PV0006	10/22/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0006	1/19/2011	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BV0113
Date: 3/14/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PR033908

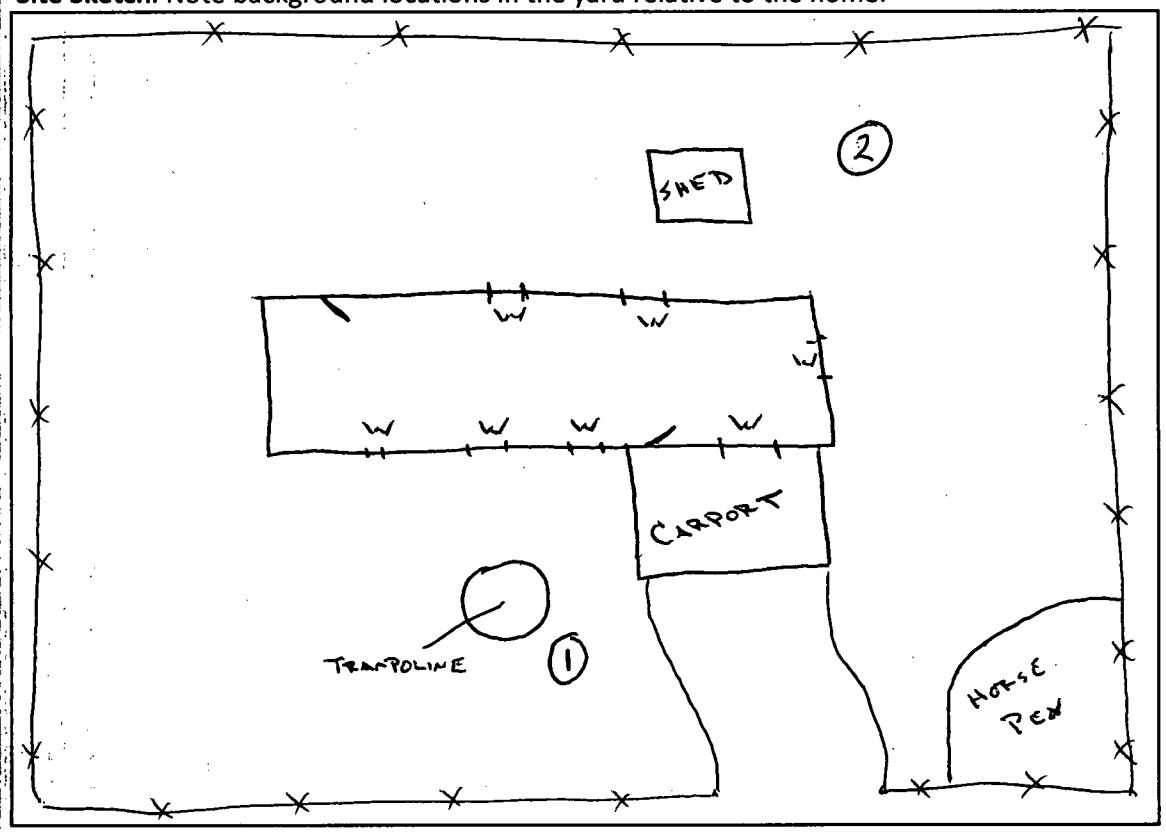
Background #1

1-min scaler time: 1405
1-min scaler reading: 11584
Location description: FRONT YARD BACKGROUND LOCATED SW OF CARPORT (EAST OF TRAMPOLINE) IN DIRT AREA.
Photo time: 1405
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1413
1-min scaler reading: 11204
Location description: BACK YARD BACKGROUND LOCATED NE OF HOUSE IN DIRT AREA
Photo time: 1415
Photo description: BACK YARD BACKGROUND LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: BV0114
Date: 8/29/2011
START member (who completed this form): Vasquez
Additional START members: Walsh

Outdoor background readings
1 13991
2 12908
3
4
5

PIC SN: 5
Ludlum SN: 149959 PR033908
2x2 SN:
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 13400

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
Room A	1023	1028	8588	1041	3
Room B	1049	1054	11675	1059	8
Room C	—	—	—	—	2
Room D	—	—	—	—	1

PIC time On: 10:13
PIC time Off: 1114

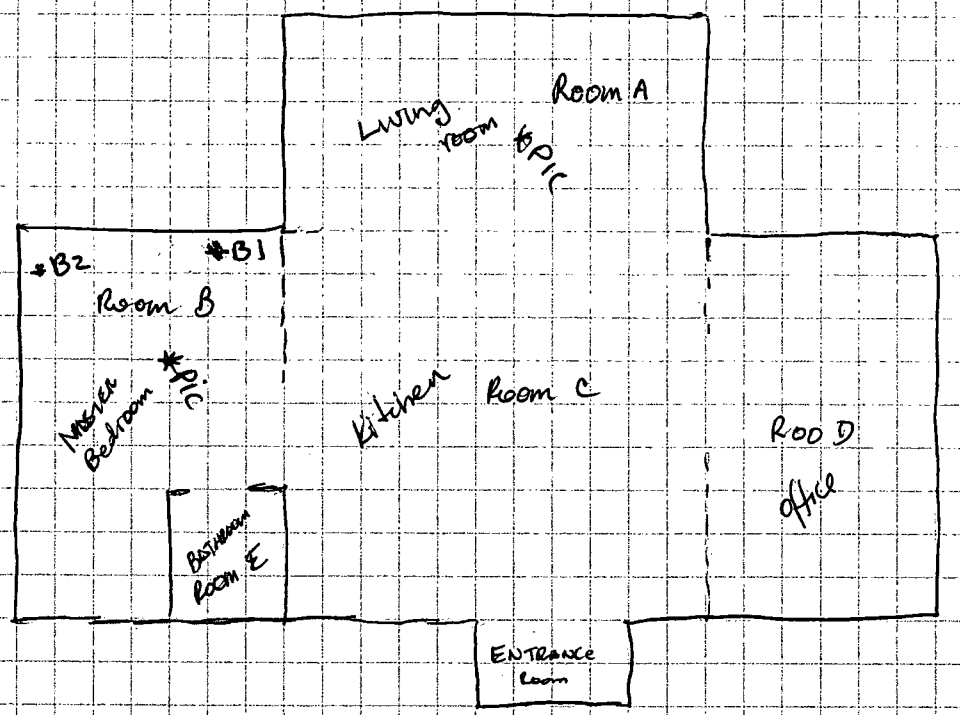
San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 3/29/2011

Start Team Members: VASQUEZ / Walsh

Property ID: BV0114

B1 = Wipe Sample BV0114-B1- -110329
B2 = Wipe Sample BV0114-B2- -110329



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BV0114
Date: 3-29-2011
START member who completed this form: P. Walsh
Other START members: P. V

Ludlum #: 149959
Detector #: PR033908

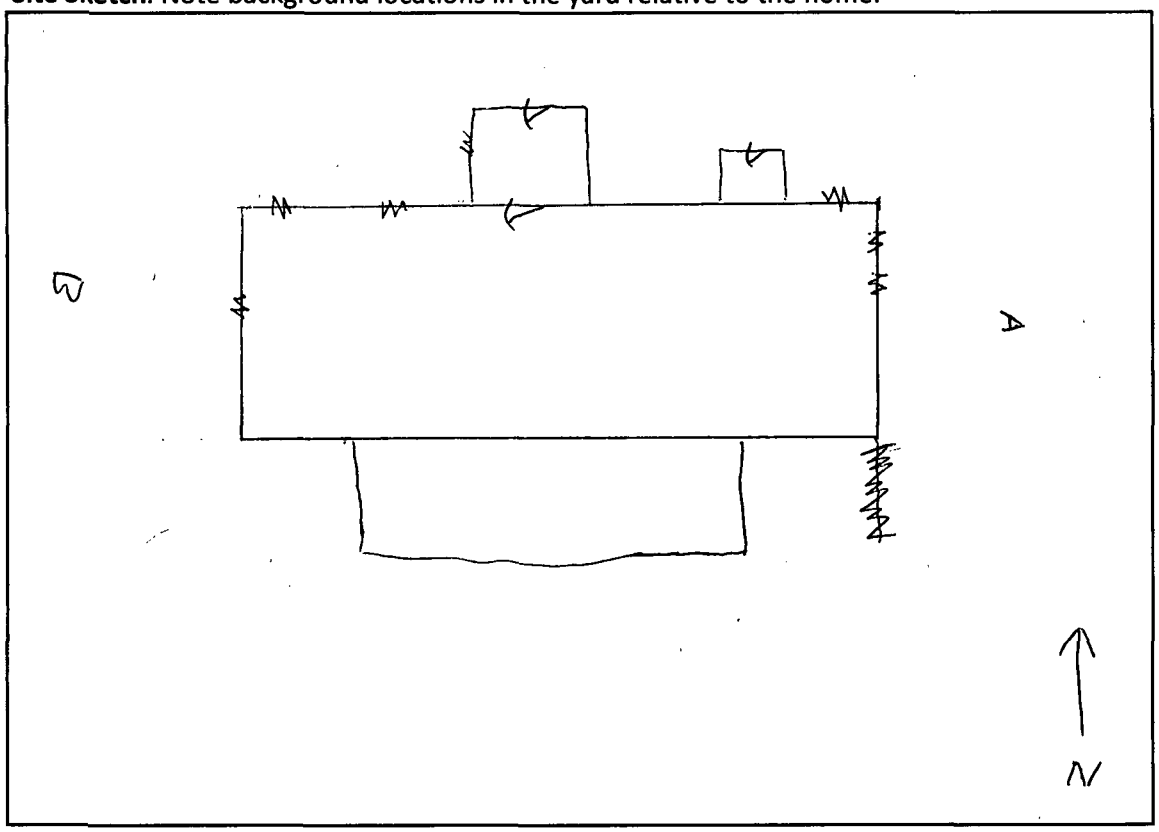
Background #1

1-min scaler time: 1003
1-min scaler reading: 13991
Location description: east side of trailer next to fence
Photo time: 1005
Photo description: east side of house facing west

Background #2

1-min scaler time: 1011
1-min scaler reading: 12908
Location description: west side of trailer next to fence
Photo time: 1012
Photo description: west side of house facing east

Site Sketch: Note background locations in the yard relative to the home.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: BW014
Date: 3/29/2011
START member who completed this form: Vasquez
Additional START members: Walsh
Ludlum #: 149959
Detector #: PR033908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm):

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
Room A	1030	8300-11200	8800-11400	NA / $\bar{F}$ = 10000, $\bar{W}$ = 9800
Room B	1040	11500-13600	10500-14500	yes $\bar{F}$ = 12500, $\bar{W}$ =
Room C	1050	9500-11500	9200-11200	NA / $\bar{F}$ = ~~9800~~ 10800, $\bar{W}$ = 10200
Room D	1055	9900-11400	9400-11400	NA / $\bar{F}$ = 10500, $\bar{W}$ = 11900
Room E	1100	9900-12500	9500-11500	NA / $\bar{F}$ = 11200 $\bar{W}$ = 10400

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BV0114
Date: 3/29/2011
START member who completed this form: Vasquez
Other START members: Walsh
PIC # #5
Ludlum #: 149959 Ludlum #: NA
Detector #: PR330408 Detector #: NA

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1000							
Ludlum readings walking from outside to inside out	10800							
Readings (cpm): 12500 – 13600 out $\bar{x}$ = 1300; 10500 – 1100 in $\bar{x}$ = 10700 in	10700							
Scan of entire house; range: 8800 – 13500	1018							
Average reading: x = 11500	11500							
Indoor Threshold (Average + 1,900 cpm) (cpm): ~~124 pc~~	13400							
Start scan of room		1030	1040					
Set up PIC in room		10:05	1046					
Photo of PIC in room (note in photo log)		1025	1101					
Turn PIC on		1013						
Start 5-min stabilization period		1014						
End 5-min stabilization period		1019						
1-min scaler reading with Ludlum next to PIC		1041	1059					
Reading:		8588	11675					
Start 5-min recording period		1023	1049					
End 5-min recording period		1028	1054					
Download data. Save file. Clear data.			1113					
Turn PIC off			1114					

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ117

Date: 3/12/11

START member (who completed this form): T. Evans

Additional START members: J. Wright

Outdoor background readings

1 12780

2 14995

3

4

5

PIC SN: 5(Q1D227Q2)

Ludlum SN: 149959

2x2 SN: PRQ339Q8

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 14,500 + 1,900 = 16,400

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ117-A	1038	1043	10668	1044	6
-B	1046	1051	26921	1052	10-12
-C	1053	1058	15960	1103	6-8
-D	—	—	—	—	0-1
-E	—	—	—	—	0
-F	1105	1110	35556	1111	2-5
-G	—	—	—	—	6-7

PIC time On: 1033

PIC time Off: 1112

Hallway between north bedrooms	Y	N		
Western fence post	Y	N		
Hallway between north bedrooms	Y	N		
Western fence post	Y	N		
	N	N	1.3	
	N	N	1.3	QC for 690547
	N	N	1.5	
	N	N	1.5	QC for 690557
Entrance to bedroom	N	Y		
Living room	Y	N		
Post on front porch	Y	N		
Living room	Y	N		Detecotr ID as written seems inconsistent with other IDs. Could be 4821916?
Post on front porch	Y	N		
Hallway above 1st bedroom	N	Y		
above fridge	Y	N		
Front of south fence	Y	N		Moved detector to East corner of South Fence
above fridge	Y	N		
Front of south fence	Y	N		Moved detector to East corner of South Fence
	N	N	1.0	
	N	N	0.8	
NW corner of living room	N	Y		
NW corner of living room	N	Y		Annual detector; QC for 4788246
East wall in hallway	Y	N		
Handrail next to west side	Y	N		Outdoor detector; QC for 4788249
Handrail next to west side	Y	N		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ117
Date: 3/12/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5(Q1022702)
Ludlum #: 149959 Ludlum #: —
Detector #: PR Q33908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1010							
Ludlum readings walking from outside to inside	1020							
Readings (cpm): Outside: 10,200-11,300 inside: 10,700-11,600								
Scan of entire house	1021							
Anomalous readings: general: 10,700-60,000 average: 14,500								
Indoor Threshold (Average + 1,900 cpm) (cpm):	16,400							
Start scan of room		1028	1032	1044	1049	1053	1056	1104
Set up PIC in room		1024	1045	1052	|	|	1104	|
Photo of PIC in room (note in photo log)		1031	1047	1053	|	|	1106	|
Turn PIC on		1033						
Start 5-min stabilization period		1033						
End 5-min stabilization period		1038						
1-min scaler reading with Ludlum next to PIC		1044	1052	1103	|	|	1111	|
Reading:		10668	26921	15960	|	|	35556	|
Start 5-min recording period		1038	1046	1053	|	|	1105	|
End 5-min recording period		1043	1051	1058	|	|	1110	|
Download data. Save file. Clear data.			|	|	|	|	1130	|
Turn PIC off			|	|	|	|	1112	|

Landauer Alpha Track-Etch	Indoor Radon	MA0021	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0021	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0021	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0021	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0021	1/11/2011	
EPA Las Vegas Charcoal Canister	Indoor Radon	MA0024	1/11/2011	1/18/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	MA0024	1/11/2011	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0024	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0024	9/16/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0024	9/16/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0024	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0024	1/11/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0025	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0025	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0025	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0025	9/14/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0025	1/15/2011	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

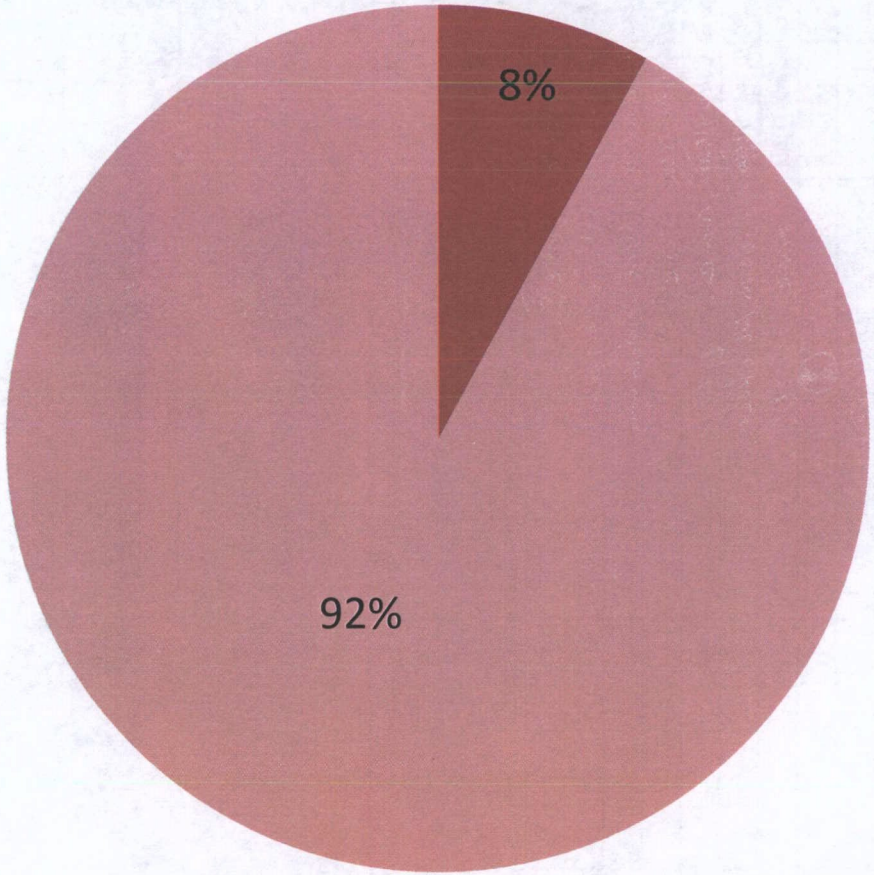
Property ID: BVQ117
Date: 3/12/11
START member who completed this form: J. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 16,400

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ117-A	1028	10,500-13,000	8,600-12,700	none
-B	1032	25,000-63,000	16,000-44,000	on floor, either side of bed, on all walls.
-C	1044	11,500-19,000	11,000-16,000	on floor in doorway
-D	1049	11,800-14,000	11,300-15,000	none
-E	1053	10,900-14,000	10,100-14,000	none
-F	1056	13,600-63,000	10,000-47,000	on floor in NE corner,
-G	1104	9,300-11,200	8,200-11,000	none

During the past *three* days, did you eat locally grown fruits or vegetables? Pueblo of Laguna



- Yes & elevated uranium in urine
- No & elevated uranium in urine

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BVQ117
Date: 3/11/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PRQ33928

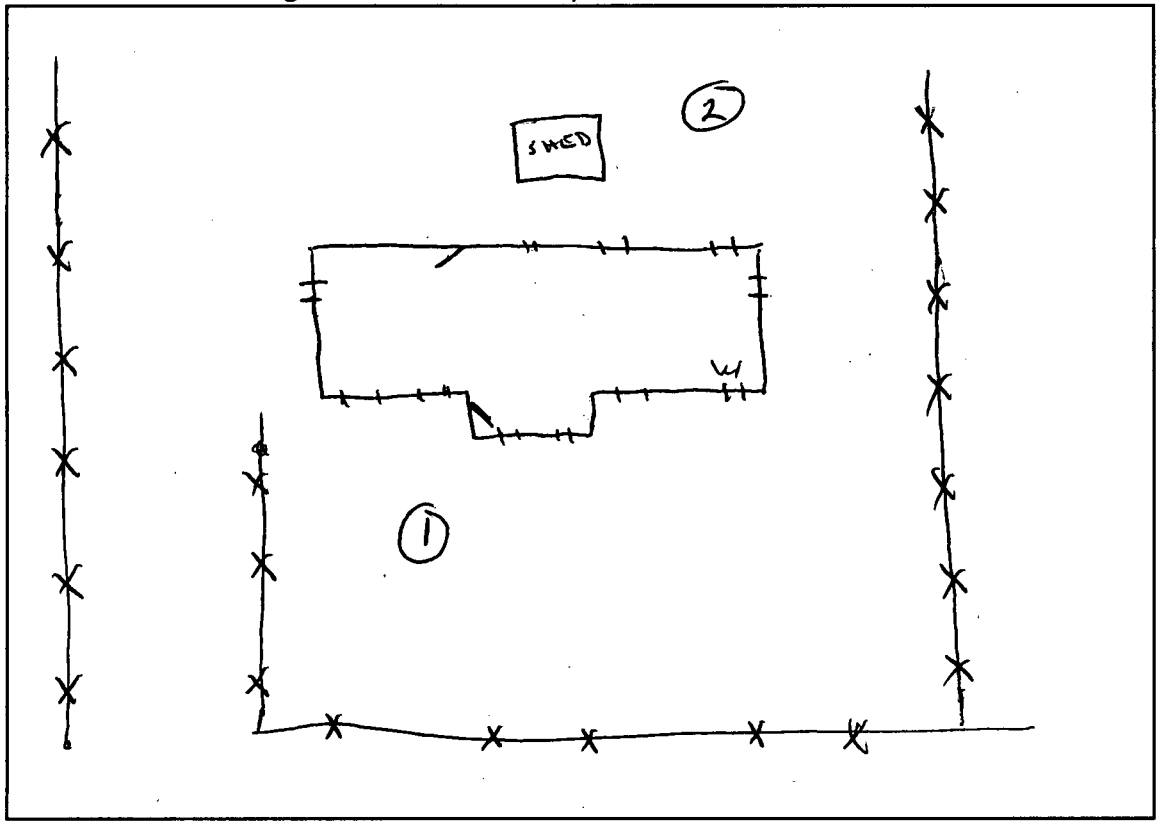
Background #1

1-min scaler time: 1005
1-min scaler reading: 12780
Location description: FRONT YARD BACKGROUND SE OF FRONT DOOR
Photo time: 1007
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1012
1-min scaler reading: 14995
Location description: BACK YARD BACKGROUND EAST OF SHED
Photo time:
Photo description: BACK YARD BACKGROUND LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.



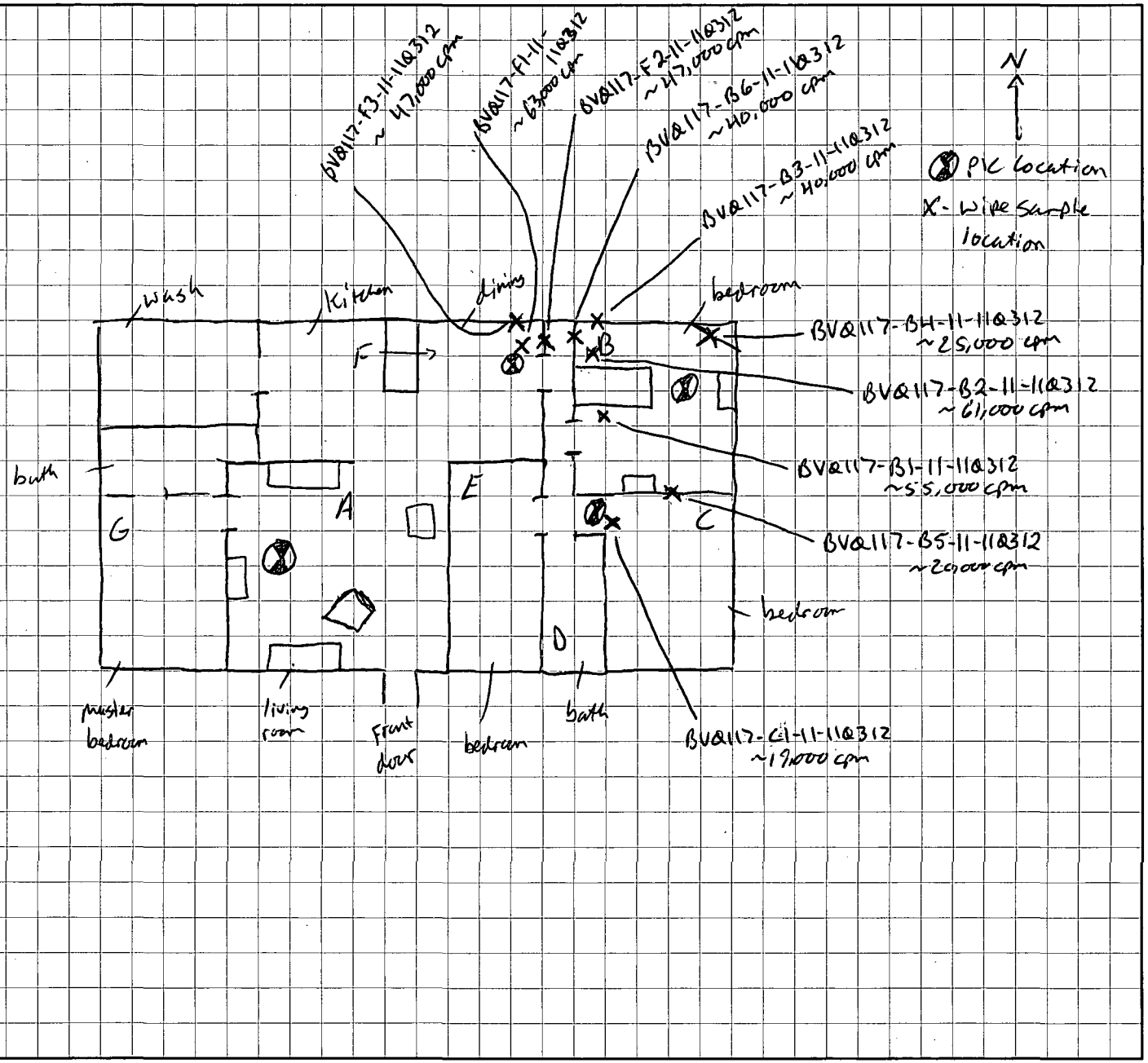
Detector Type	Parameter	Property ID	Starting Date	Ending Date
Landauer Alpha Track-Etch	Indoor Radon	100 Thunderbird	1/15/2011	
Landauer Alpha Track-Etch	Indoor Radon	100 Thunderbird	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	100 Thunderbird	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	100 Thunderbird	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	100 Thunderbird	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0066	10/12/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0066	10/12/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0066	10/12/2010	
Landauer Alpha Track-Etch	Outdoor Radon	BV0066	10/12/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0066	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0070	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0070	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0070	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0070	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0070	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	BV0070	1/13/2011	1/17/2011
RAdata Charcoal Canister	Indoor Radon	BV0070	1/13/2011	1/17/2011
RAdata Charcoal Canister	Indoor Radon	BV0070	1/13/2011	1/17/2011
RAdata Charcoal Canister	Indoor Radon	BV0070	1/13/2011	1/17/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0071	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0071	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0071	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0071	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0071	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	BV0071	1/13/2011	1/17/2011
RAdata Charcoal Canister	Indoor Radon	BV0071	1/13/2011	1/17/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0104	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0104	9/15/2010	1/13/2011

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQ117

Date: 3/12/11

Start Team Members: J. Evans, J. Wright.



Landauer Alpha Track-Etch	Outdoor Radon	PV0030	10/21/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0030	10/21/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0030	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0030	1/15/2011	
Landauer Alpha Track-Etch	Indoor Radon	PV0033	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0033	9/15/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0033	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0033	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0033	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0033	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0033	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	PV0033	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	PV0033	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0034	10/21/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0034	10/21/2010	1/12/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0034	10/21/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	PV0034	1/12/2011	
Landauer Alpha Track-Etch	Outdoor Radon	PV0034	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	PV0034	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	PV0034	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	PV0034	1/12/2011	1/16/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0044	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0044	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	PV0044	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	PV0044	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	PV0044	1/13/2011	1/17/2011

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BV0118

Date: 2/22/11

START member (who completed this form): O. GARREN

Additional START members: R. WALSH

Outdoor background readings

1 14,056

2 13,336

3

4

5

PIC SN: 828330

Ludlum SN: 149959

2x2 SN: PR033908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cm): 12,400

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
A	~~1045~~ 1050	1055	9728	1056	6
B	1057	1102	9493	1103	9

PIC time On: 1045

PIC time Off: 1108

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVØ118
Date: 2/22/11
START member who completed this form: O. GARREN
Other START members: P. WALSH
PIC # 5 (828330)
Ludlum #: ~~[illegible]~~ Ludlum #: 92 149959
Detector #: ~~[illegible]~~ Detector #: PRØ33908

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1015							
Ludlum readings walking from outside to inside	1023							
Readings (cpm): OUT 13500 IN 11,000	1023							
Scan of entire house	1025							
Anomalous readings: AVG. 10,500								
Indoor Threshold (Average + 1,900 cpm) (cpm):	12,400							
Start scan of room		1030	1038			~~1439~~		
Set up PIC in room		1038	1057					
Photo of PIC in room (note in photo log)		1040	1058					
Turn PIC on		1045						
Start 5-min stabilization period		1045						
End 5-min stabilization period		1050						
1-min scaler reading with Ludlum next to PIC		1056	1103					
Reading:		9728	9493					
Start 5-min recording period		1050	1057					
End 5-min recording period		1055	1102					
Download data. Save file. Clear data.			1107					
Turn PIC off			1108					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

PHOTO LOG

Property ID: BU0118
Date: 2/22/11
START member who completed this form: O. GARREN
Additional START members: P. WALSH
Camera #: RFW23743

TIME	PHOTO #	DESCRIPTION
	1	PIC LOCATION A; LIVING ROOM
	2	PIC LOCATION B; WEST BEDROOM

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: BV0118
Date: 2/22/11
START member who completed this form: O. GARREN
Additional START members: P. WALSH
Ludlum #: 149959
Detector #: PR033908

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 12,400

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
A	1030	~~1050~~ 11,000	10,500	
B	1038	10,000	9,500	
C	1040	11,200	10,500	
D	1035	10,400	9,800	
E	1046	9,500	9,200	
F	1049	9,500	9,300	
G	1051	9,500	9,200	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: B V011 8
Date: 2-22-2011
START member who completed this form: P. Walsh
Other START members: D. Garren

Ludlum #: 149959
Detector #: PR033903

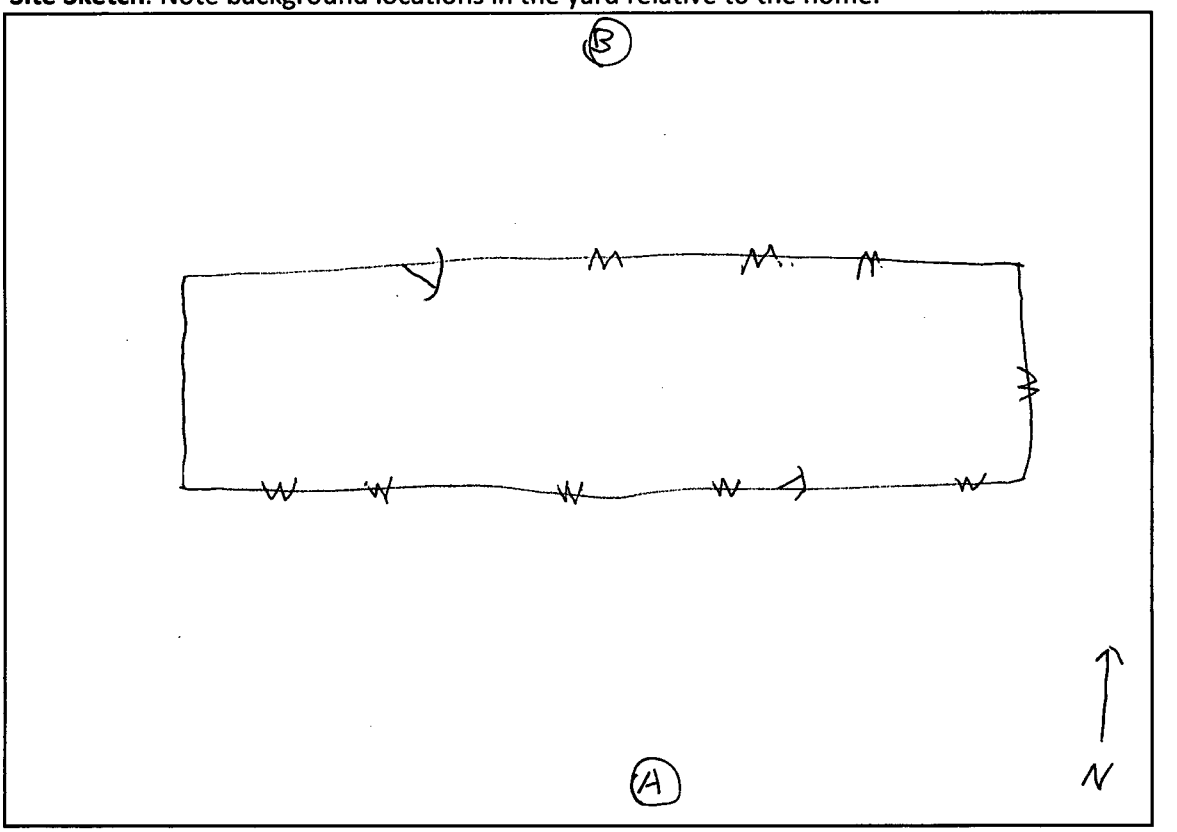
Background #1

1-min scaler time: 1000
1-min scaler reading: 14056
Location description: 30ft south of trailer
Photo time: 1004
Photo description: 30ft south of trailer facing north

Background #2

1-min scaler time: 1012
1-min scaler reading: 13336
Location description: 30ft north of Trailer facing south
Photo time: 1014
Photo description: 30ft north of trailer facing south

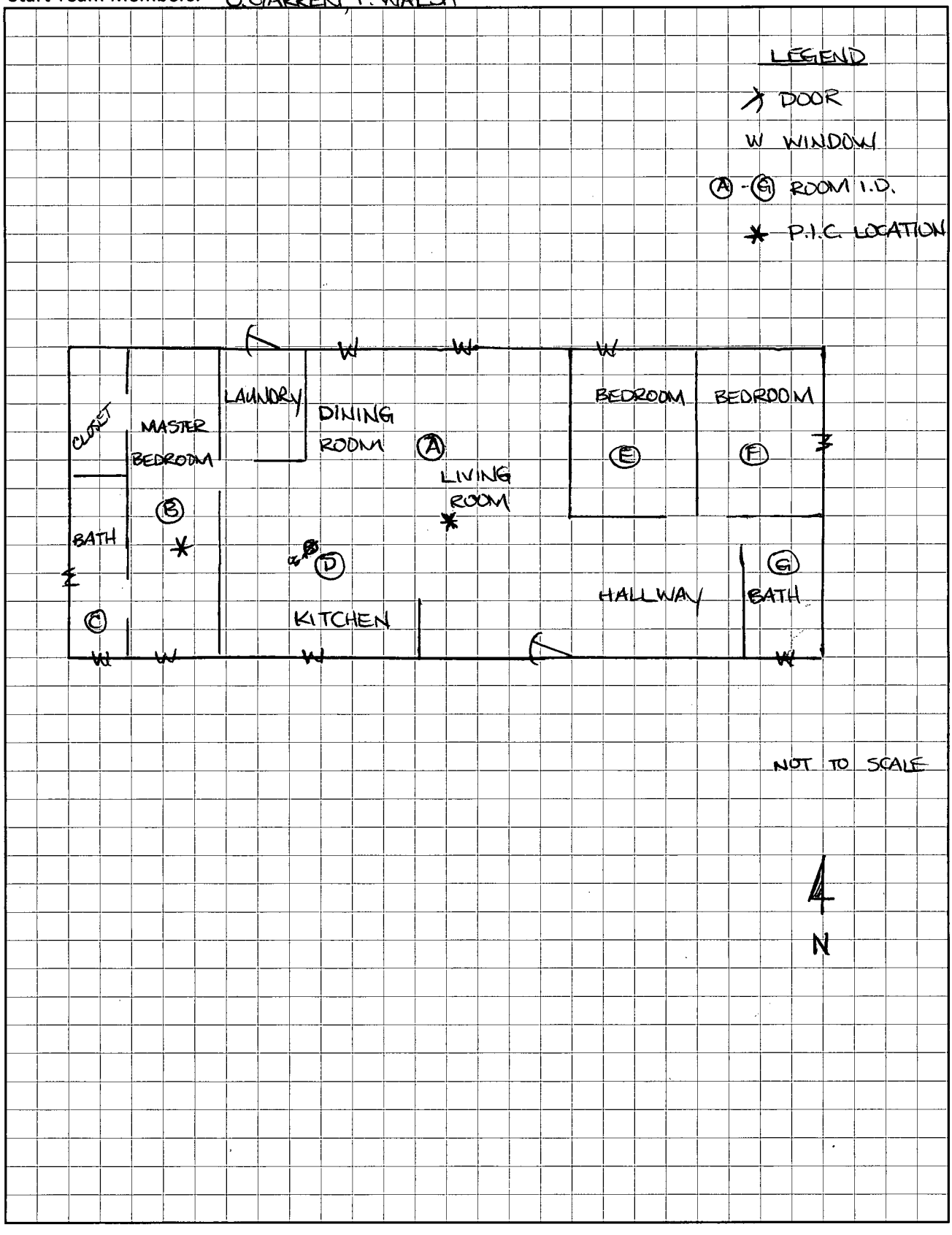
Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 2/22/11 Property ID: BV0118

Start Team Members: O. GARREN, P. WALSH



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: ~~FA00706~~ BVQ119

Date: 2/4/11

START member (who completed this form): T. Evans

Additional START members: J. Wright

Outdoor background readings

1 12902 @ 1259

2 13074

3

4

5

PIC SN: QID22702

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 13,400 cpm

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ119-A	1332	1337	9230	1331	12
-B	1338	1343	10544	1344	8
-C					1-2
-D					8
-E					8
-F					1

PIC time On: 1324

PIC time Off: 1345

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ119
Date: 2/4/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # Q1D22202
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ33988 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1300							
Ludlum readings walking from outside to inside	1314							
Readings (cpm): outside: 16,700-14,800 inside: 9,800-10,500								
Scan of entire house	1315							
Anomalous readings: general: 8,800-14,500 average: 11,500								
Indoor Threshold (Average + 1,900 cpm) (cpm):	13,400							
Start scan of room		1320	1324	1327	1333	1335	1339	
Set up PIC in room		1312	1337	↓	↓	↓	↓	
Photo of PIC in room (note in photo log)		1322		↓	↓	↓	↓	
Turn PIC on		1324						
Start 5-min stabilization period		1324						
End 5-min stabilization period		1329						
1-min scaler reading with Ludlum next to PIC		1331	1344	↓	↓	↓	↓	
Reading:		~~1332~~ 9232	10544	↓	↓	↓	↓	
Start 5-min recording period		1332	1338	↓	↓	↓	↓	
End 5-min recording period		1337	1343	↓	↓	↓	↓	
Download data. Save file. Clear data.			1350	↓	↓	↓	↓	
Turn PIC off			1345	↓	↓	↓	↓	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: BVQ119
Date: 2/4/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ339828

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 13,400

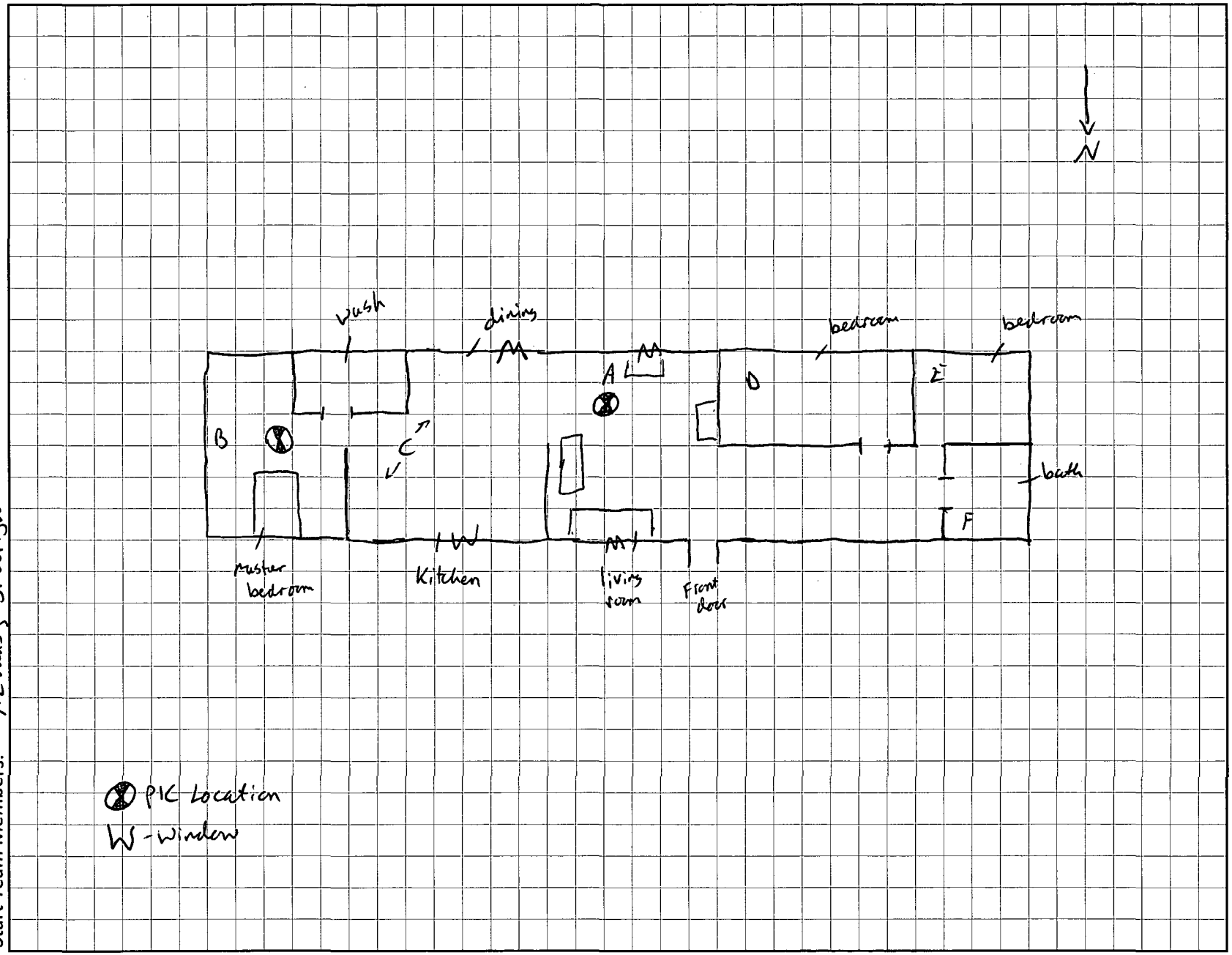
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ119-A	1320	8,400-10,200	7,900-10,500	none
-B	1324	9,600-12,200	8,700-11,500	none
-C	1327	7,000-9,800	7,500-9,300	none
-D	1333	8,500-11,000	7,800-10,400	none
-E	1335	9,700-11,500	7,700-10,300	none
-F	1339	9,400-10,500	7,900-10,000	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BV8119

Date: 2/4/11

Start Team Members: T. Evans, S. Wright.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BVØ119
Date: 2/4/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PRØ33Ø8

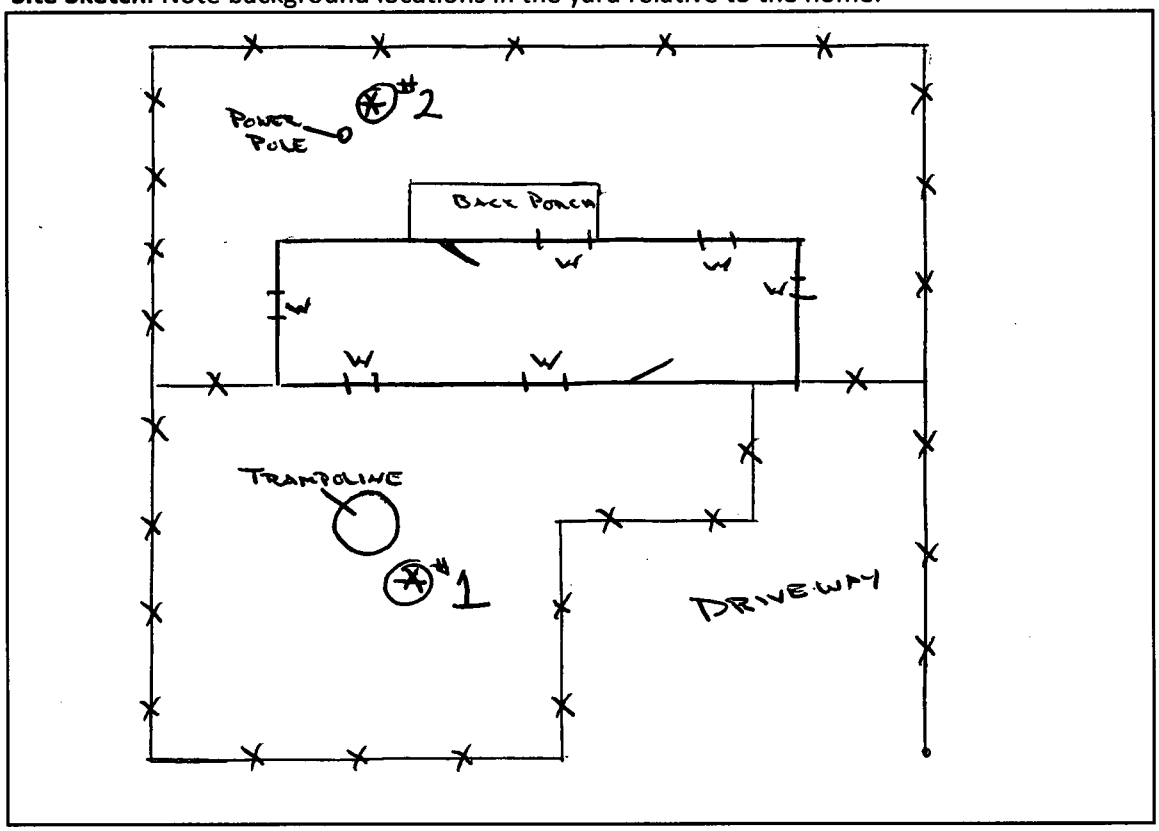
Background #1

1-min scaler time: 1259
1-min scaler reading: 12902
Location description: FRONT YARD BACKGROUND LOCATED NORTH OF HOUSE TRAILER NEAR TRAMPOLINE (IN DIRT AREA).
Photo time: 1300
Photo description: FRONT YARD BACKGROUND LOCATION - NOTED BY LUDLUM

Background #2

1-min scaler time: 1306
1-min scaler reading: 13074
Location description: BACKYARD BACKGROUND LOCATED SE OF BACK PORCH NEAR POWER POLE (IN DIRT AREA)
Photo time: 1307
Photo description: BACK YARD BACKGROUND LOCATION - NOTED BY LUDLUM.

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ122

Date: 3/16/11

START member (who completed this form): T. Evans

Additional START members: J. Wright

Outdoor background readings

1 11819 @ 1105

2 12497 cpm

3

4

5

PIC SN: ~~BV~~ 5(Q1D22702)

Ludlum SN: 149959

2x2 SN: PRQ3398

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11,700 + 1,900 = 13,600

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ122-A	1137	1142	10931	1135	1
-B	1144	1149	11009	1151	1
-C					2
-D					1
-E					1
-F					2
-G					0-1
-H					0-1
-I (not accessible)					

PIC time On: 1129

PIC time Off: 1155

Detector Location	Quaterly ?	Annual ?	Result	Comments
In dining room by kitchen	Y	N		
In hallway by bedrooms	Y	N		
At southwest end of driveway near metal fence	Y	N		
	N	N	3.6	
	N	N	3.1	
Office door frame	?	?		
SE bedroom mirror	?	?		
Office door frame	?	?		Indoor detector; QC for 4788162
Telephone pole SW area	Y	N		
Telephone pole SW area	Y	N		
Hallway-south end of home	N	Y		
over desk area	Y	N		
On antenna on west side of yard	Y	N		
over desk area	Y	N		
On antenna on west side of yard	Y	N		
	N	N	1.4	
	N	N	1.7	
	N	N	1.9	QC duplicate for 690621
	N	N	1.8	QC duplicate for 690588
first wall as you enter the home	N	Y		
north end of hallway	Y	N		
on dog pen-SE corner	Y	N		
north end of hallway	Y	N		
on dog pen-SE corner	Y	N		
	N	N	1.1	
	N	N	1.1	
in hallway by bedrooms on ceiling in recessed area	N	Y		
in family room corner by closet on ceiling	Y	N		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ122
Date: 3/16/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5(Q1D22702)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ33928 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
Draw site sketch	1104								
Ludlum readings walking from outside to inside	1117								
Readings (cpm): outside: 10,900-12,400 inside: 11,500-12,600									
Scan of entire house; range: 9,600-13,000	1118								
Average reading: 11,700									
Indoor Threshold (Average + 1,900 cpm) (cpm):	13,600								
Start scan of room		1122	1128	1131	1137	1139	1142	1147	1151
Set up PIC in room		1120	1143						
Photo of PIC in room (note in photo log)		1124	1144						
Turn PIC on		1129							
Start 5-min stabilization period		1129							
End 5-min stabilization period		1134							
1-min scaler reading with Ludlum next to PIC		1136	1151						
Reading:		10931	11[illegible]9						
Start 5-min recording period		1137	1144						
End 5-min recording period		1142	1149						
Download data. Save file. Clear data.			1200						
Turn PIC off			1155						

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: BVQ122
Date: 3/16/11
START member who completed this form: J. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 13,600

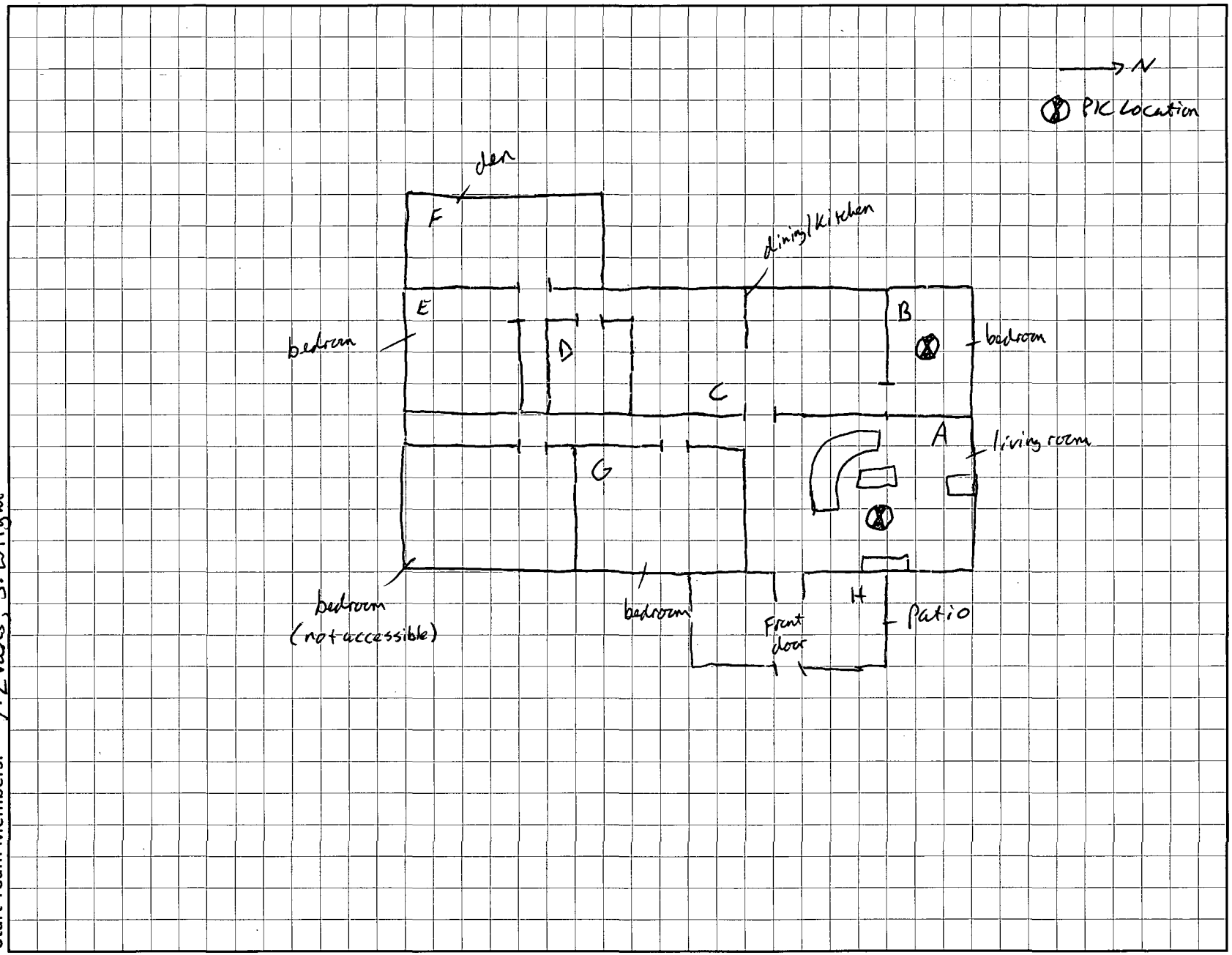
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ122-A	1122	11,100-13,200	9,200-11,500	none
-B	1128	10,600-12,600	9,000-12,000	none
-C	1131	9,000-12,600	8,800-11,200	none
-D	1137	10,600-12,300	7,800-9,600	none
-E	1139	9,800-12,500	8,200-12,000	none
-F	1142	8,000-11,300	8,200-11,100	none
-G	1147	10,700-12,500	8,100-10,500	none
-H	1151	9,700-12,300	9,000-12,000	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQ122

Date: 3/16/11

Start Team Members: T. Evans, J. Wright



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BV0122
Date: 3/16/11
START member who completed this form: J. Wright
Other START members: T. Evans

Ludlum #: ~~145595~~ 149959
Detector #: PR033908

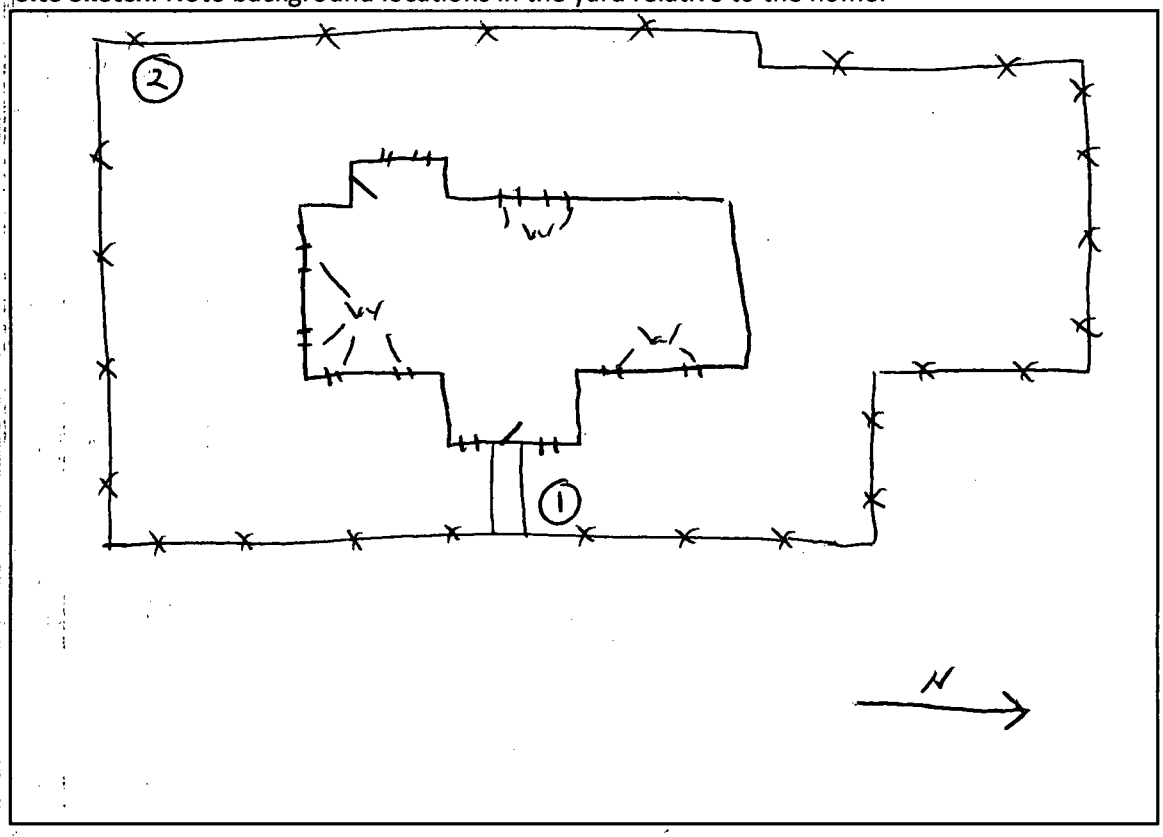
Background #1

1-min scaler time: 1105
1-min scaler reading: 11819
Location description: Front Yard Background Located
Photo time:
Photo description: Front Yard Background Location Noted By Ludlum

Background #2

1-min scaler time: 1111
1-min scaler reading: 12497
Location description: Back Yard Background Located
Photo time: 1112
Photo description: Back Yard Background Location Noted By Ludlum

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ123

Date: 3/18/11

START member (who completed this form): J. Evans

Additional START members: P. Vasquez

Outdoor background readings

1 11912 cpm

2 13275 cpm

3

4

5

PIC SN: Q1D227Q2

Ludlum SN: ~~Q~~ 149959

2x2 SN: PRQ339Q8

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 8,600 + 1,900 = 10,500

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ123-A	1444	1449	8233	1443	12-14
-B	1451	1456	8038	1450	8
-C					1-2
-D					10-12
-E					20-24

PIC time On: 1437

PIC time Off: 1500

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ123
Date: 3/18/11
START member who completed this form: T. Evans
Other START members: P. Vasquez
PIC # 5 (QID22702)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ33928 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1410							
Ludlum readings walking from outside to inside	1425							
Readings (cpm): outside: 8,300-11,500 inside: 6,600-8,300								
Scan of entire house; range: 6,800-9,900	1426							
Average reading: 8,600								
Indoor Threshold (Average + 1,900 cpm) (cpm):	10,500							
Start scan of room		1430	1436	1438	1440	1444		
Set up PIC in room		1423	1449	|	|	|		
Photo of PIC in room (note in photo log)		1427	1454	|	|	|		
Turn PIC on		1437						
Start 5-min stabilization period		1437						
End 5-min stabilization period		1442						
1-min scaler reading with Ludlum next to PIC		1443	1450	|	|	|		
Reading:		8233	8038	|	|	|		
Start 5-min recording period		1444	1451	|	|	|		
End 5-min recording period		1449	1456	|	|	|		
Download data. Save file. Clear data.			1505	|	|	|		
Turn PIC off			1500	|	|	|		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: BVQ123
Date: 3/18/11
START member who completed this form: T. Evans
Additional START members: P. Vasquez
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 10,500

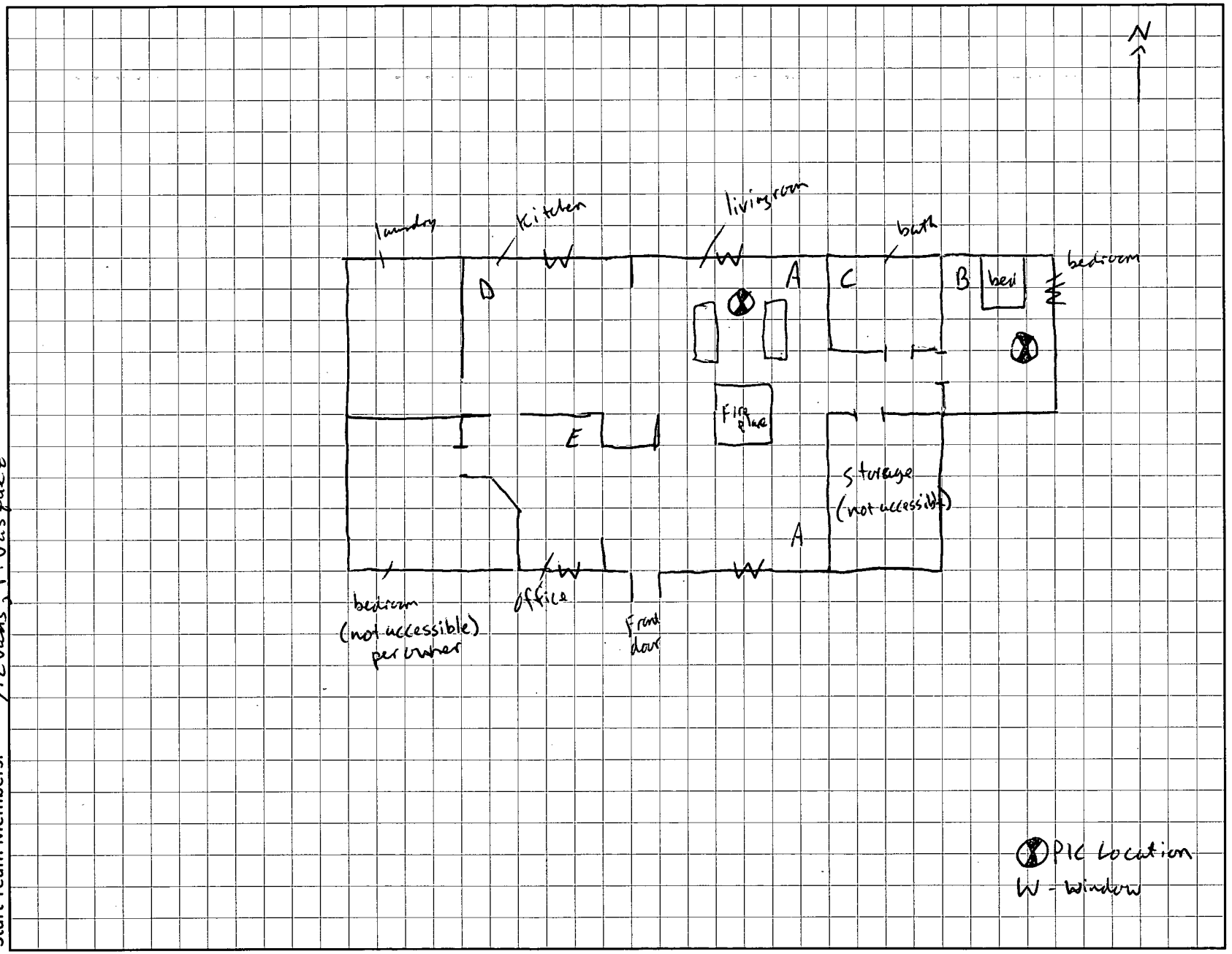
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ123-A	1430	7,300-9,100	7,000-9,800	none
-B	1436	7,800-9,200 ~~7,000-10,000~~	6,800-9,300	none
-C	1438	7,600-9,100	7,100-8,600	none
-D	1440	6,600-7,900	6,800-9,000	none
-E	1444	6,200-8,100	6,400-8,400	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQ123

Date: 3/18/11

Start Team Members: T. Evans, P. Vasquez



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BV0123
Date: 3/18/2011
START member who completed this form: P Vasquez
Other START members: P Vasquez / T. Evans.

Ludlum #: 149959
Detector #: PR033908

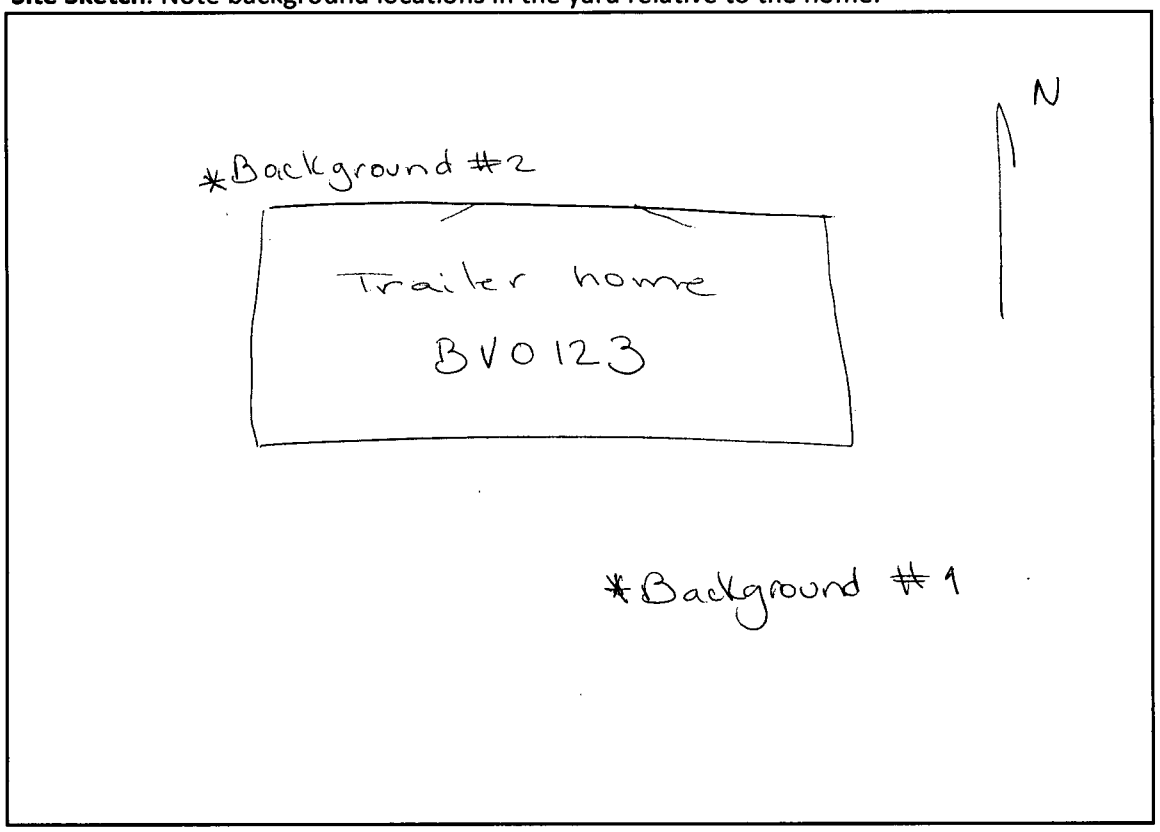
Background #1

1-min scaler time: 14:10
1-min scaler reading: 11912
Location description: Front yard. Background 1
Photo time: 1409
Photo description: Overview Front yard. Noted Background location by Ludlum

Background #2

1-min scaler time: 14:13
1-min scaler reading: 13275
Location description: NW corner of house - Background 2
Photo time: 14:15
Photo description: Overview NW corner. Noted Background location by Ludlum

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ126

Date: 2/3/11

START member (who completed this form): J. Evans

Additional START members: S. Wright

Outdoor background readings

1 12295 cpm @ 1324

2 12128 cpm

3

4

5

PIC SN: Q1D22702 (#5)

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11,300 + 1,900 = 13,200

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ126-A	1353	1358	10630	1359	7-8
-B	1401	1406	10290	1407	8-12
-C	—	—	—	—	1-2
-D	—	—	—	—	0-1
-E	—	—	—	—	4
-F	—	—	—	—	3

PIC time On: 1348

PIC time Off: 1409

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ126
Date: 2/3/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5 (QUD22702)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ33908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1302							
Ludlum readings walking from outside to inside	1311							
Readings (cpm): outside: 12,500 - 15,000 inside: 10,500 - 12,600								
Scan of entire house general: 9,800 - 13,000	1312							
Anomalous readings: average: 11,300								
Indoor Threshold (Average + 1,900 cpm) (cpm):	13,200							
Start scan of room		1239	1345	1348	1350	1354	1359	
Set up PIC in room		1323	1400					
Photo of PIC in room (note in photo log)		1346	1402					
Turn PIC on		1348						
Start 5-min stabilization period		1348						
End 5-min stabilization period		1353						
1-min scaler reading with Ludlum next to PIC		1359	1407					
Reading:		10630	10290					
Start 5-min recording period		1353	1401					
End 5-min recording period		1358	1406					
Download data. Save file. Clear data.			1412					
Turn PIC off			1409					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: BVQ126
Date: 2/3/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ339Q8

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 13,200 cpm

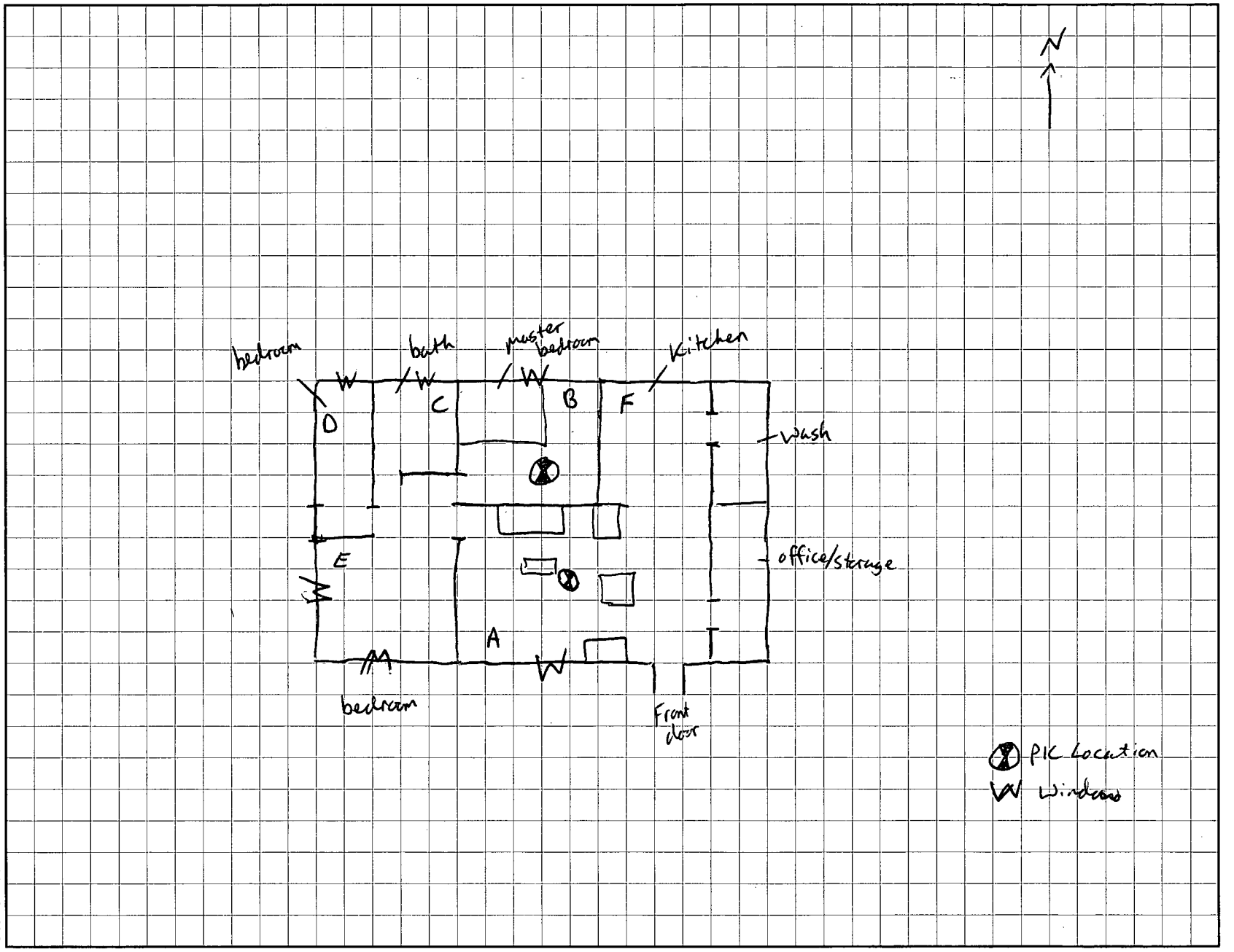
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ126-A	1339	10,400-12,800	8,800-11,500	none
-B	1345	9,800-12,200	8,100-11,700	none
-C	1348	10,300-11,800	8,700-12,000	none
-D	1350	10,000-12,900	8,800-11,200	none
-E	1354	9,600-12,600	8,300-11,300	none
-F	1359	9,900-12,700	8,200-10,500	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQ126

Date: 2/3/11

Start Team Members:



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BVQ126
Date: 2/3/11
START member who completed this form: J. Wright
Other START members: T. Evans

Ludlum #: 149959
Detector #: PRQ33928

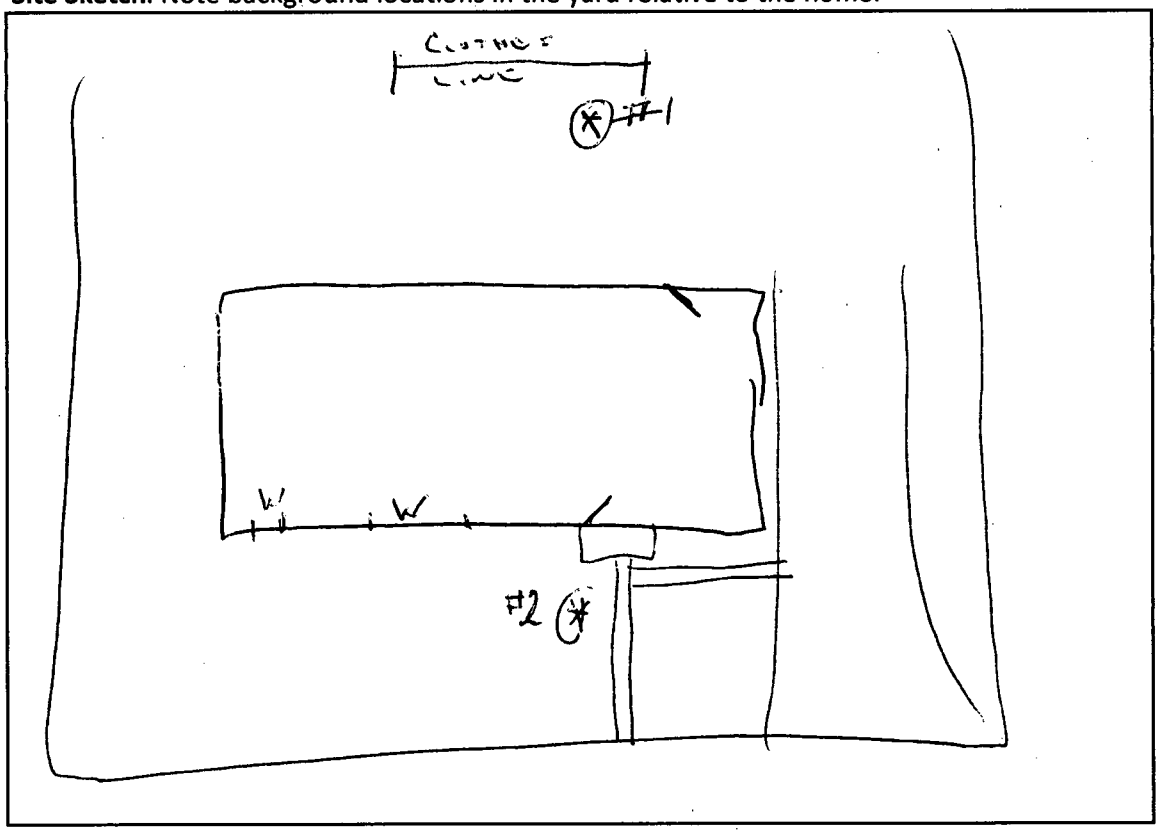
Background #1

1-min scaler time: 1324
1-min scaler reading: 12295
Location description: BACKYARD BACKGROUND LOCATION - NORTH OF HOUSE IN GRASS
Photo time: 1333
Photo description: BACKYARD BACKGROUND LOCATION

Background #2

1-min scaler time: 1337
1-min scaler reading: 12129
Location description: FRONTYARD BACKGROUND - SOUTH OF FRONT DOOR, WEST ON SIDEWALK
Photo time: 1341
Photo description: FRONTYARD BACKGROUND LOCATION

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: BVQ137

Date: 2/9/11

START member (who completed this form): T. Evans

Additional START members: J. Wright

Outdoor background readings

1 11236 e 0953

2 11016

3

4

5

PIC SN: 81022702

Ludlum SN: 149958

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11,700 cpm

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ137-A	1034	1039	8637	1033	5
-B	1040	1045	9470	1047	8
-C					2
-D					2-3
-E					0-1
-F					0-1

PIC time On: 1026

PIC time Off: 1054

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BV0137
Date: 2/4/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 01D227002 #5
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	0955							
Ludlum readings walking from outside to inside	1013							
Readings (cpm): outside: 7,500-9,200 inside: 8,400-10,300								
Scan of entire house	1014							
Anomalous readings: general: 8,000-12,000 average: 9,800								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,700							
Start scan of room		1019	1023	1034	1041	1048	1051	
Set up PIC in room		1009	1039	|	|	|	|	
Photo of PIC in room (note in photo log)		1016	1041	|	|	|	|	
Turn PIC on		1026						
Start 5-min stabilization period		1026						
End 5-min stabilization period		1031						
1-min scaler reading with Ludlum next to PIC		1033	1047	|	|	|	|	
Reading:		8637	9470	|	|	|	|	
Start 5-min recording period		1034	1040	|	|	|	|	
End 5-min recording period		1039	1045	|	|	|	|	
Download data. Save file. Clear data.			1058	|	|	|	|	
Turn PIC off			1054	|	|	|	|	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: BVQ137
Date: 2/9/11
START member who completed this form: F. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 11,700

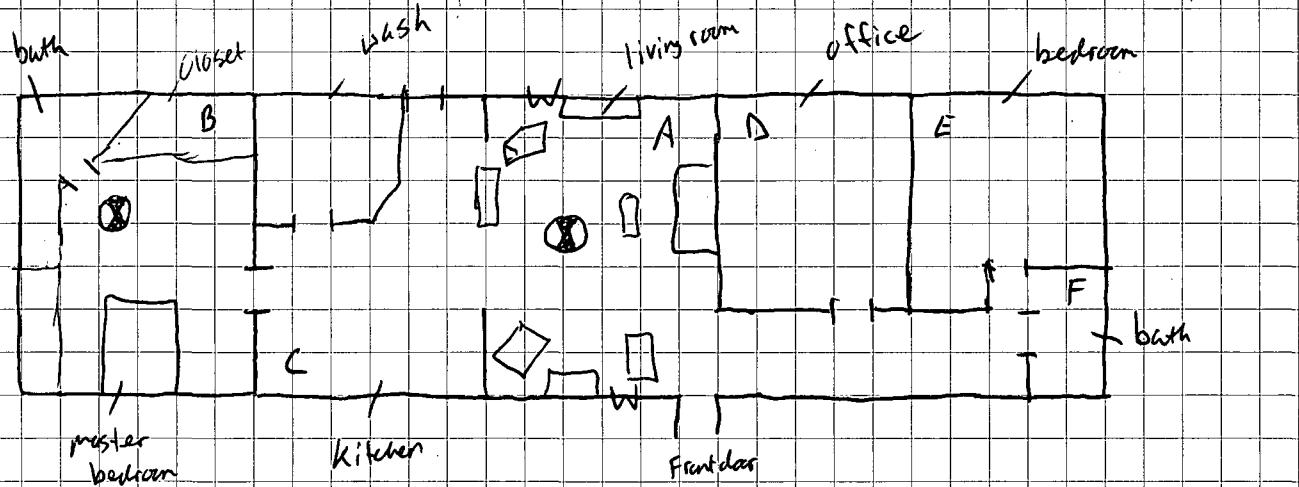
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ137-A	1019	8,300-10,000	7,400-9,500	none
-B	1023	8,200-11,000	7,800-11,300	none
-C	1034	7,500-10,600	7,000-9,500	none
-D	1041	8,400-9,800	8,200-9,200	none
-E	1048	8,400-10,200	8,400-8,800	none
-F	1051	7,600-10,800	7,600-10,400	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BV0137

Date: 2/9/11

Start Team Members: T. Evans, J. Wright



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BVØ137
Date:
START member who completed this form: J. Wright
Other START members: T. Evans

Ludlum #: 149959
Detector #: PR033908

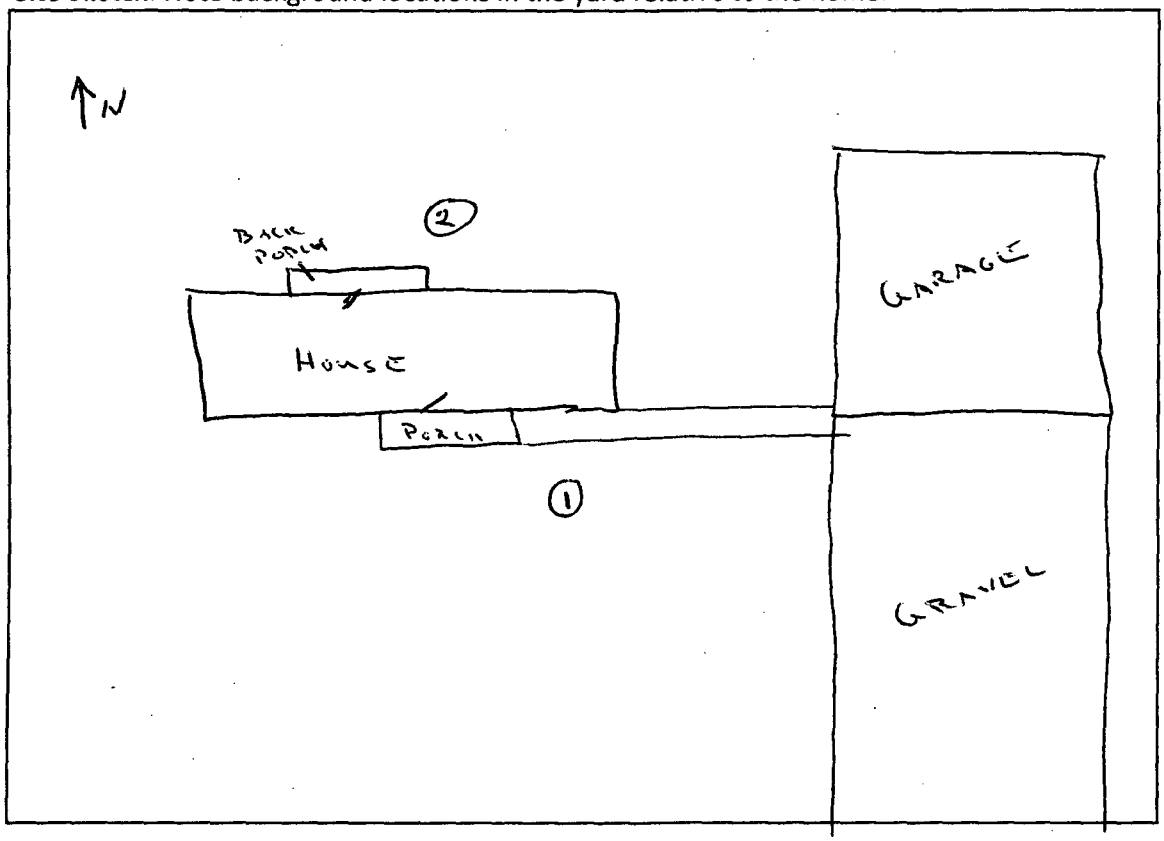
Background #1

1-min scaler time: 0953
1-min scaler reading: 11236
Location description: Front Yard Background Location SE of Front Door in Grass
Photo time: 1001
Photo description:

Background #2

1-min scaler time: 1007
1-min scaler reading: 11016
Location description: Backyard Background Location NE of Back Porch in Grass
Photo time: 1009
Photo description:

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: BVQ139
Date: 3/15/11
START member (who completed this form): J. Evans
Additional START members: J. Wright

Outdoor background readings
1 11734 cpm
2 13380 cpm
3
4
5

PIC SN: 5(Q1D227Q2)
Ludlum SN: 149959
2x2 SN: PRQ33908
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 10,000 + 1,900 = 11,900

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ139-A	~~1053~~ 1100	~~1058~~ 1105	10990	1059	3
-B	1106	1111	10025	1112	1-2
-C					2
-D					1
-E					2

PIC time On: 1053
PIC time Off: 1114

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BVQ139
Date: 3/15/11
START member who completed this form: J. Evans
Other START members: J. Wright
PIC # 5(QID22702)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ339028 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1027							
Ludlum readings walking from outside to inside	1046							
Readings (cpm): outside: 10,900-13,600 inside: 10,400-11,900								
Scan of entire house; range: 9,000-11,500	1047							
Average reading: 10,000	10,000							
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,900							
Start scan of room		1049	1052	1056	1100	1104		
Set up PIC in room		1038	~~1049~~ 1105	|	|	|		
Photo of PIC in room (note in photo log)		1048	1107	|	|	|		
Turn PIC on		1053						
Start 5-min stabilization period		1053						
End 5-min stabilization period		1058						
1-min scaler reading with Ludlum next to PIC		1059	1112	|	|	|		
Reading:		10990	1025	|	|	|		
Start 5-min recording period		1100	1106	|	|	|		
End 5-min recording period		1105	1111	|	|	|		
Download data. Save file. Clear data.			1118	|	|	|		
Turn PIC off			1114	|	|	|		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: BVQ139
Date: 3/15/11
START member who completed this form: J. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33908

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 11,900

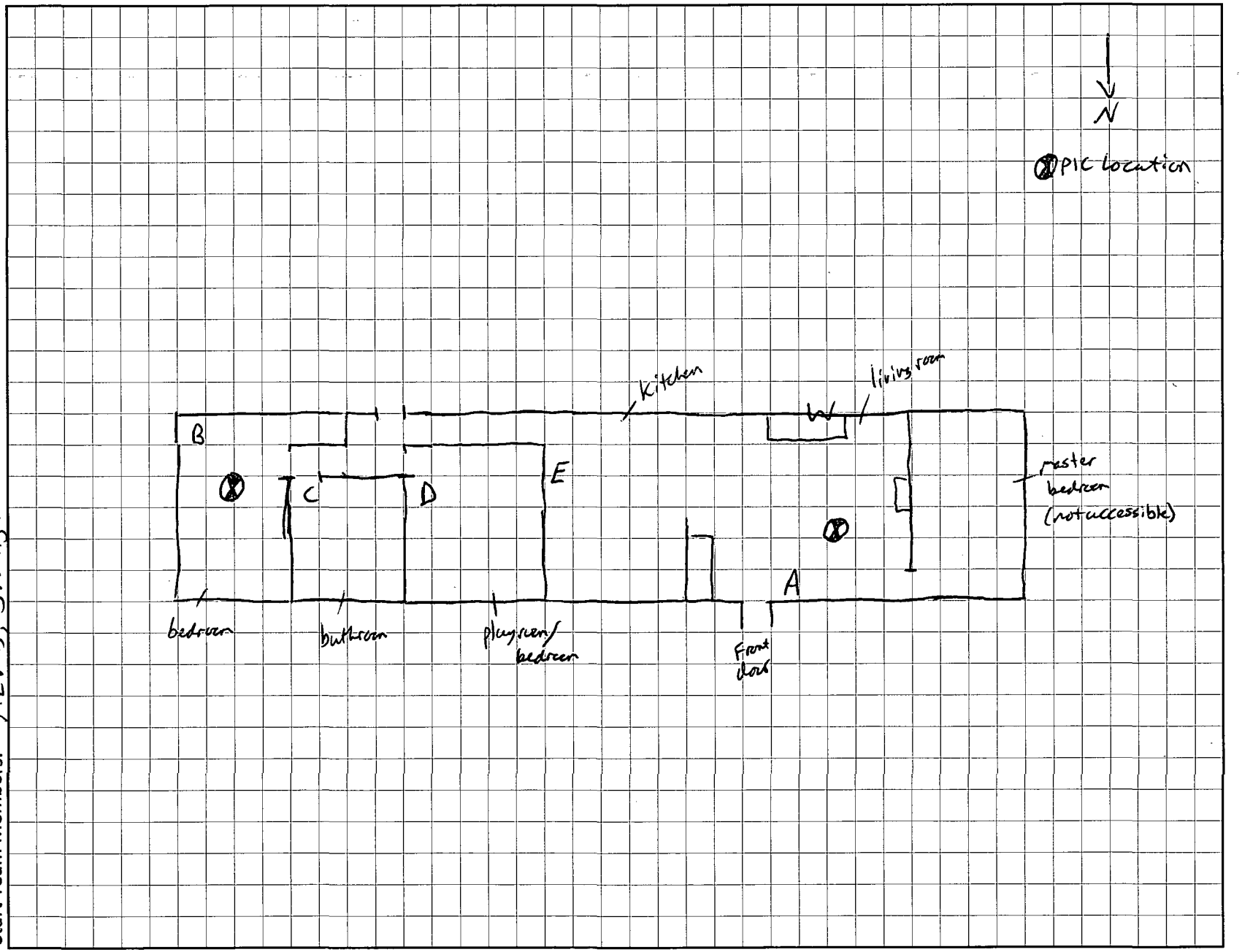
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ139-A	1049	9,500-11,200	9,600-11,500	none
-B	1052	8,900-11,400	8,800-11,500	none
-C	1056	8,600-10,000	8,400-10,800	none
-D	1100	8,000-11,300	8,200-11,000	none
-E	1104	8,200-10,500	8,500-11,000	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BVQ139

Date: 3/15/11

Start Team Members: J. Evans, J. Wright



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: ~~BV1039~~ BVØ139
Date: 3/15/11
START member who completed this form: J. Wright
Other START members: T. Evans

Ludlum #: 149959
Detector #: PR 033908

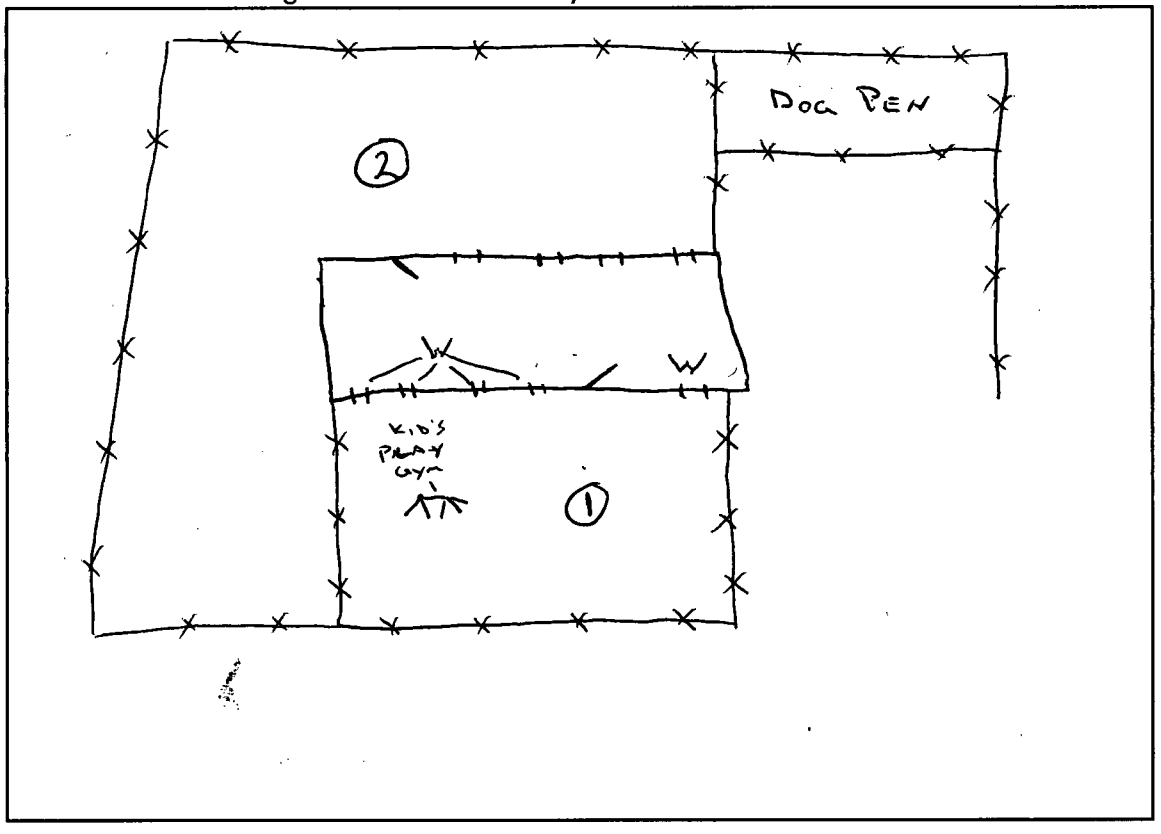
Background #1

1-min scaler time: 11734
1-min scaler reading: 1032
Location description: Front Yard Background Location North of Front Door in Grass.
Photo time: 1034
Photo description: Front Yard Background Location Noted By Ludlum

Background #2

1-min scaler time: ~~13380~~ 1038
1-min scaler reading: 13380
Location description: Back Yard Background Location South of Back Door in Dirt Area.
Photo time: 1039
Photo description: Back Yard Background Location Noted By Ludlum

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: BV0146
Date: 3/29/2011
START member (who completed this form): Vasquez
Additional START members: Walsh

Outdoor background readings
1 14602
2 11633
3
4
5

PIC SN: #5
Ludlum SN: 149959 PR033998
2x2 SN:
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 13600

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
A	1146	1151	10471	1202	6
B	1213	1218	10057	1221	8

PIC time On: 1138
PIC time Off: 1224

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BV0146
Date: 3-29-2011
START member who completed this form: P. Walsh
Other START members: P. Vasq

Ludlum #: 149959
Detector #: PR033908

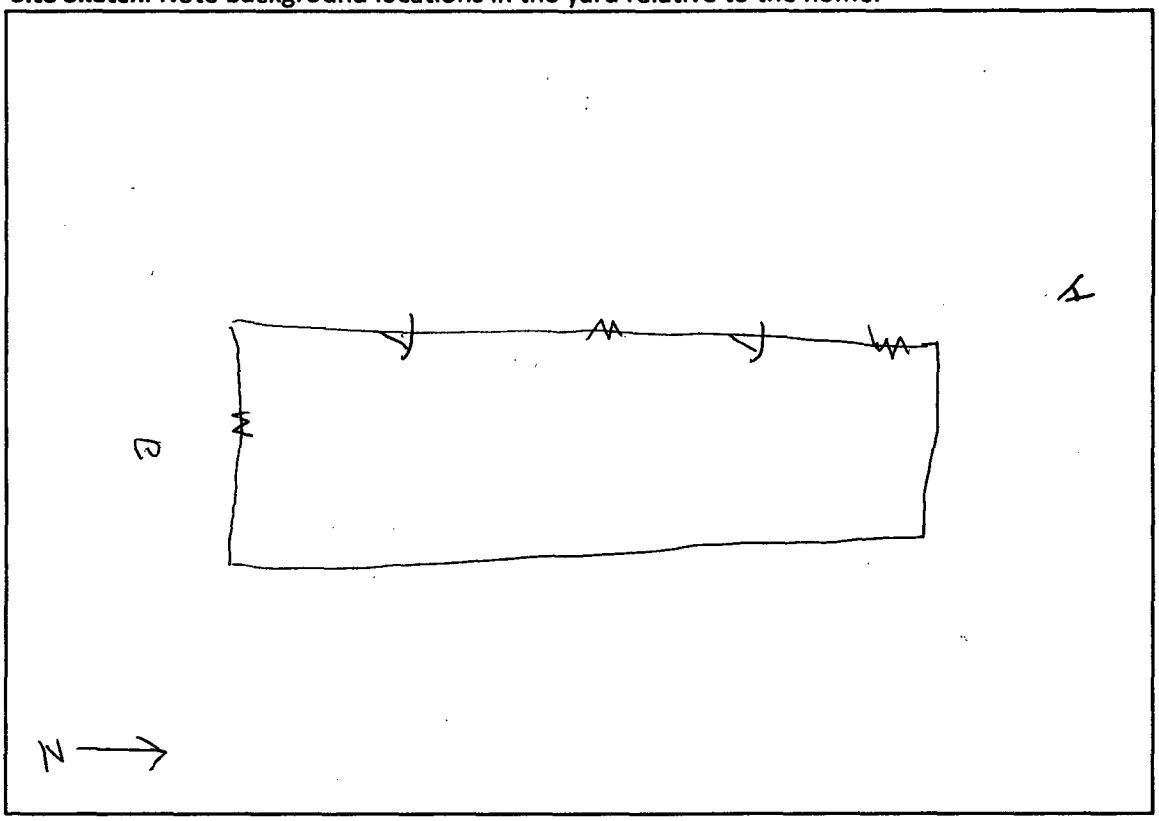
Background #1

1-min scaler time: 1140
1-min scaler reading: 14602
Location description: northwest of Trailer
Photo time: 1142
Photo description: northwest facing southeast to trailer

Background #2

1-min scaler time: 1147
1-min scaler reading: 11633
Location description: south side of trailer
Photo time: 1148
Photo description: south side of trailer facing north

Site Sketch: Note background locations in the yard relative to the home.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: BV0146
Date: 3/29/2011
START member who completed this form: Vasquez
Additional START members: Walsh
Ludlum #: 149959
Detector #: PR339Ø8

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm):

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
Room A	1201	10500-12600	10000-12600	NA / F=11700 W=11000
Room B	1208	10500-12200	10500-12000	NA / F=11800 W=11300
Room C	1210	10500-12300	10600-12400	NA / F=11400 W=11500

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BV0146
Date: 3/29/2011
START member who completed this form: Vasquez
Other START members: Vasquez/Walsh
PIC # 5
Ludlum #: 149959 Ludlum #: NA
Detector #: PR 033908 Detector #: NA

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1132							
Ludlum readings walking from outside to inside								
Readings (cpm): 12000 – 14000 10500 – 12500								
Scan of entire house 10500 – 12500	1158 PM							
Anomalous readings: 11700	11700							
Indoor Threshold (Average + 1,900 cpm) (cpm): 13600	13600							
Start scan of room		1201	1208					
Set up PIC in room		1136	1209					
Photo of PIC in room (note in photo log)		1200	1213					
Turn PIC on		1138						
Start 5-min stabilization period		1139						
End 5-min stabilization period		1144						
1-min scaler reading with Ludlum next to PIC		1202	1221					
Reading:		10471	10057					
Start 5-min recording period		1146	1213					
End 5-min recording period		1151	1218					
Download data. Save file. Clear data.			1223					
Turn PIC off			1224					

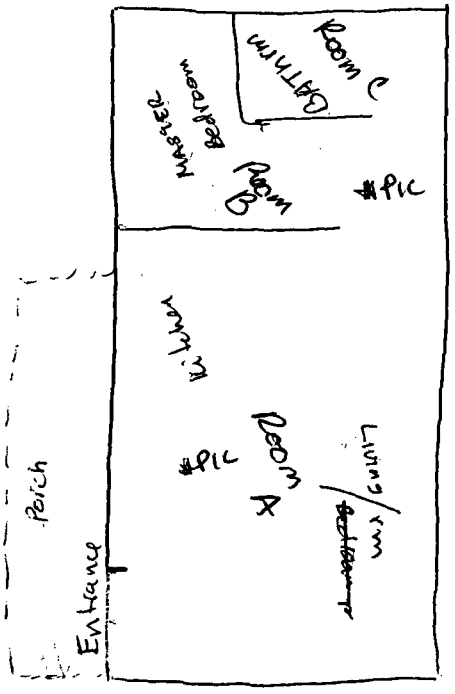
San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 3/29/2011 Property ID: BV0146

Start Team Members: Vasquez/Walsh

- Pic test performed at living room and at Master bedroom locations

- NO wipe samples collected.



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: BVQ16Q
Date: 3/15/11
START member (who completed this form): T. Evans
Additional START members: J. Wright

Outdoor background readings
1 10331 cpm
2 12163 cpm
3
4
5

PIC SN: 5(Q1022702)
Ludlum SN: 149959
2x2 SN: PRQ33908
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,000 + 1,900 = 10,900

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
BVQ16Q-A	1438	1443	7721	1444	8
-B	1446	1451	9488	1453	10
-C					0-1
-D					6-8
-E					0-1

PIC time On: 1433
PIC time Off: 1454

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: BV016Q
Date: 3/15/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5 (01D22702)
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1410							
Ludlum readings walking from outside to inside	1425							
Readings (cpm): outside: 9,100-11,200 inside: 8,100-9,100								
Scan of entire house; range: 7,000-11,200	1426							
Average reading: 9,000								
Indoor Threshold (Average + 1,900 cpm) (cpm):	10,900							
Start scan of room		1430	1433	1439	1446	1449		
Set up PIC in room		1421	1445	|	|	|		
Photo of PIC in room (note in photo log)		1431	1446	|	|	|		
Turn PIC on		1433						
Start 5-min stabilization period		1433						
End 5-min stabilization period		1438						
1-min scaler reading with Ludlum next to PIC		1438	1453	|	|	|		
Reading:		1444 ~~1443~~	9488	|	|	|		
Start 5-min recording period		1438	1446	|	|	|		
End 5-min recording period		1443	1451	|	|	|		
Download data. Save file. Clear data.			1500	|	|	|		
Turn PIC off			1454	|	|	|		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: BVQ16Q
Date: 3/15/11
START member who completed this form: J. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 10,900

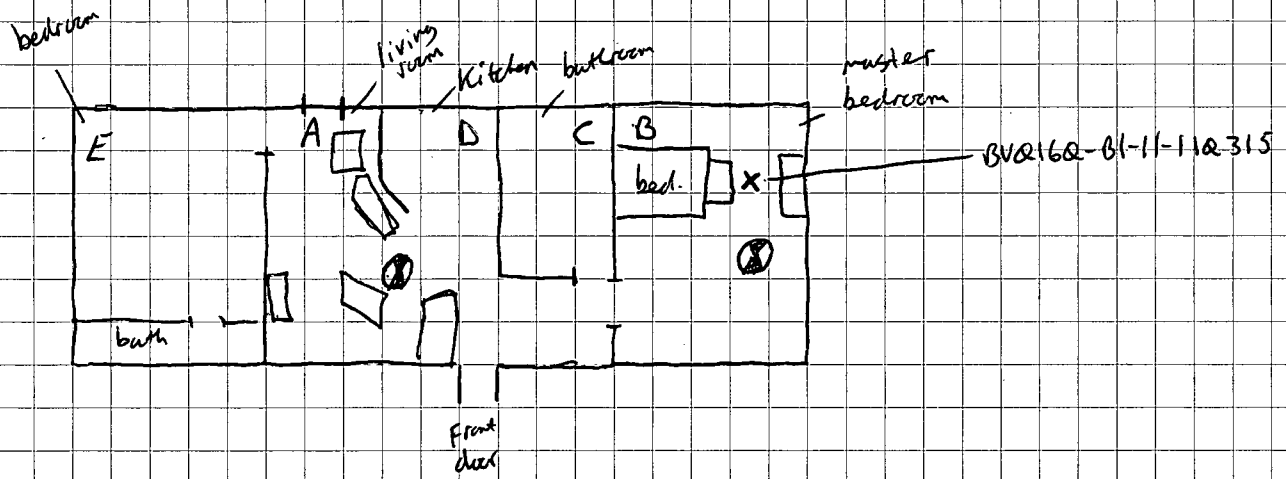
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
BVQ16Q-A	1430	6,200-9,000	6,600-9,200	none
-B	1433	9,500-11,000	8,500-10,500	on floor (carpet, rug) next to chest at foot of bed
-C	1439	8,000-9,700	7,000-9,900	none
-D	1446	7,000-9,000	7,500-9,000	none
-E	1449	7,000-8,100	7,000-8,300	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: BV0160

Date: 3/15/11

Start Team Members: T. Evans, J. Wright.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: BY 0160
Date: 3/15/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS.

Ludlum #: 149958
Detector #: PR033908

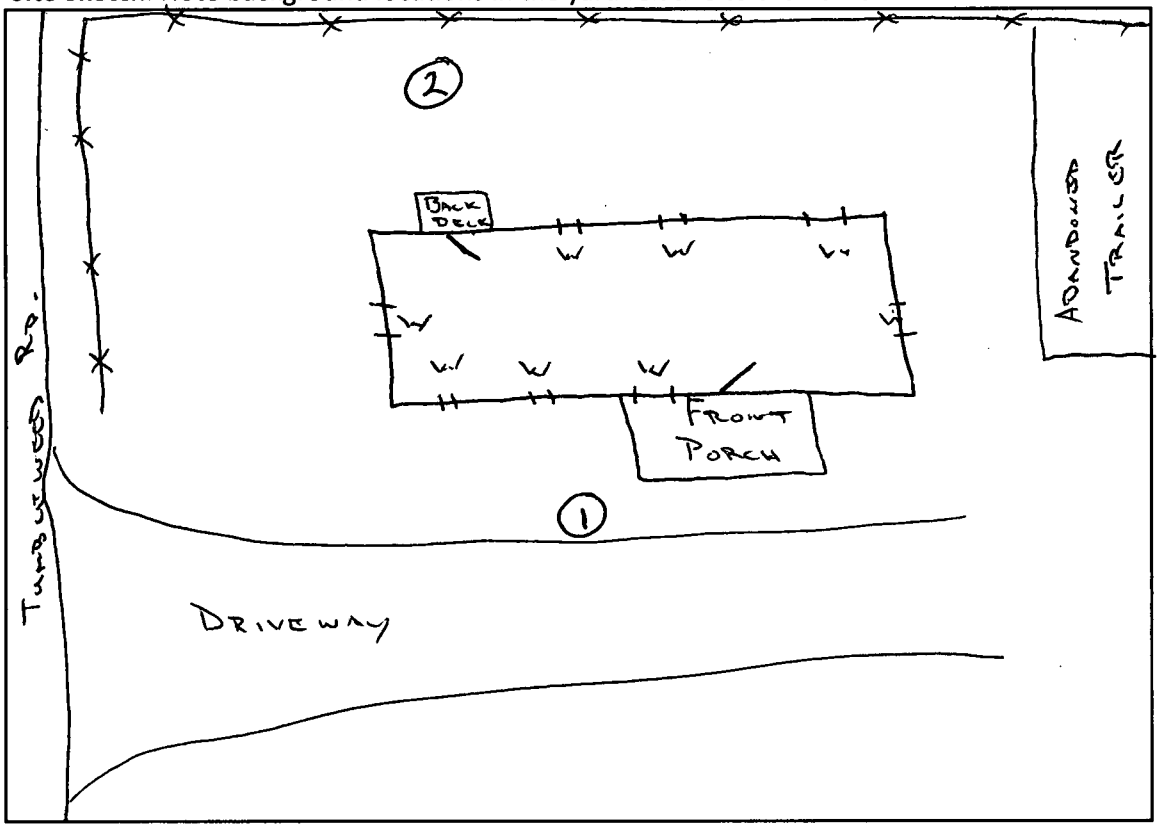
Background #1

1-min scaler time: 1414
1-min scaler reading: 10331
Location description: FRONT YARD BACKGROUND LOCATION, SE OF FRONT DOOR NEAR DRIVEWAY IN GRAVEL AREA.
Photo time: 1415
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1419
1-min scaler reading: 12163
Location description: BACK YARD BACKGROUND LOCATED WEST OF BACK DOOR IN DIRT AREA
Photo time: 1419
Photo description: BACKYARD BACKGROUND LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: FA0053

Date: 2/22/11

START member (who completed this form): O. GARREN

Additional START members: P. WALSH

Outdoor background readings

1 8646

2 7795

3

4

5

PIC SN: 828330

Ludlum SN: 149959

2x2 SN: PR033908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11,400

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
A	1440 ~~1435~~ PB	1445	9568 ~~144~~	1446	UNKNOWN
B	1447	1452	8621	1453	UNKNOWN
C					
D					
E	~~1428~~				
F					
G					
H					
I					
J					

PIC time On: 1435

PIC time Off: 1455

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: FA0053
Date: 2/22/11
START member who completed this form: O. GARREN
Other START members: P. WALSH
PIC # 5 (828330)
Ludlum #: 149959 Ludlum #:
Detector #: PR033908 Detector #:

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1400							
Ludlum readings walking from outside to inside	1417							
Readings (cpm): OUT 10,000 ~~9,500~~ IN 9,500								
Scan of entire house	1418							
Anomalous readings: AVG. 9,500								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,400				1447	1439		
Start scan of room		1428	1433	1436	~~1439~~	~~1428~~	1450	1455
Set up PIC in room		1434	1447					
Photo of PIC in room (note in photo log)		1444	1450					
Turn PIC on		1435						
Start 5-min stabilization period		1435						
End 5-min stabilization period		1440						
1-min scaler reading with Ludlum next to PIC		1446	1453					
Reading:		9568	8621					
Start 5-min recording period		1440	1447					
End 5-min recording period		1445	1452					
Download data. Save file. Clear data.			1455					
Turn PIC off			1457					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: FA0053
Date: 2/22/11
START member who completed this form: O. GARREN
Other START members: P. WALSH
PIC # 5 (828330)
Ludlum #: 149959 Ludlum #:
Detector #: PR033908 Detector #:

Indoor Activity	TIMES	Room ~~A~~ H	Room ~~B~~ I	Room ~~C~~ J	Room D	Room E	Room F	Room G
Draw site sketch								
Ludlum readings walking from outside to inside								
Readings (cpm):								
Scan of entire house								
Anomalous readings:								
Indoor Threshold (Average + 1,900 cpm) (cpm):								
Start scan of room		1457	1502	1506				
Set up PIC in room								
Photo of PIC in room (note in photo log)								
Turn PIC on								
Start 5-min stabilization period								
End 5-min stabilization period								
1-min scaler reading with Ludlum next to PIC								
Reading:								
Start 5-min recording period								
End 5-min recording period		OK						
Download data. Save file. Clear data.								
Turn PIC off			OK	OK				

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: FA0053
Date: 2/22/11
START member who completed this form: Q. GARREN
Additional START members: P. WALSH
Ludlum #: 149959
Detector #: PR033908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 11,400

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
A	1428	10,200	9,200	
B	1433	9,500	8,000	
C	1436	9,500	8,500	
D	1447	10,000	8,500	
E	1439 ~~1428~~	10,800	9,300	
F	1450	~~9000~~		8,500 / 8,500
G	1455	9,800	9000	
H	1457	9,500	9000	
I	1502	9,800	9000	
J	1506	10,400	9,500	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

PHOTO LOG

Property ID: FA0053
Date: 2/22/11
START member who completed this form: O. GARREN
Additional START members: P. WALSH
Camera #: RFW23743

TIME	PHOTO #	DESCRIPTION
1444	1	P.I.C. LOCATION E: SITTING ROOM/DINING ROOM
1450	2	P.I.C. LOCATION B: NORTH BEDROOM

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: FA0053
Date: 2-22-2011
START member who completed this form: P. Walsh
Other START members: O. Garran

Ludlum #: 149959
Detector #: PR033903

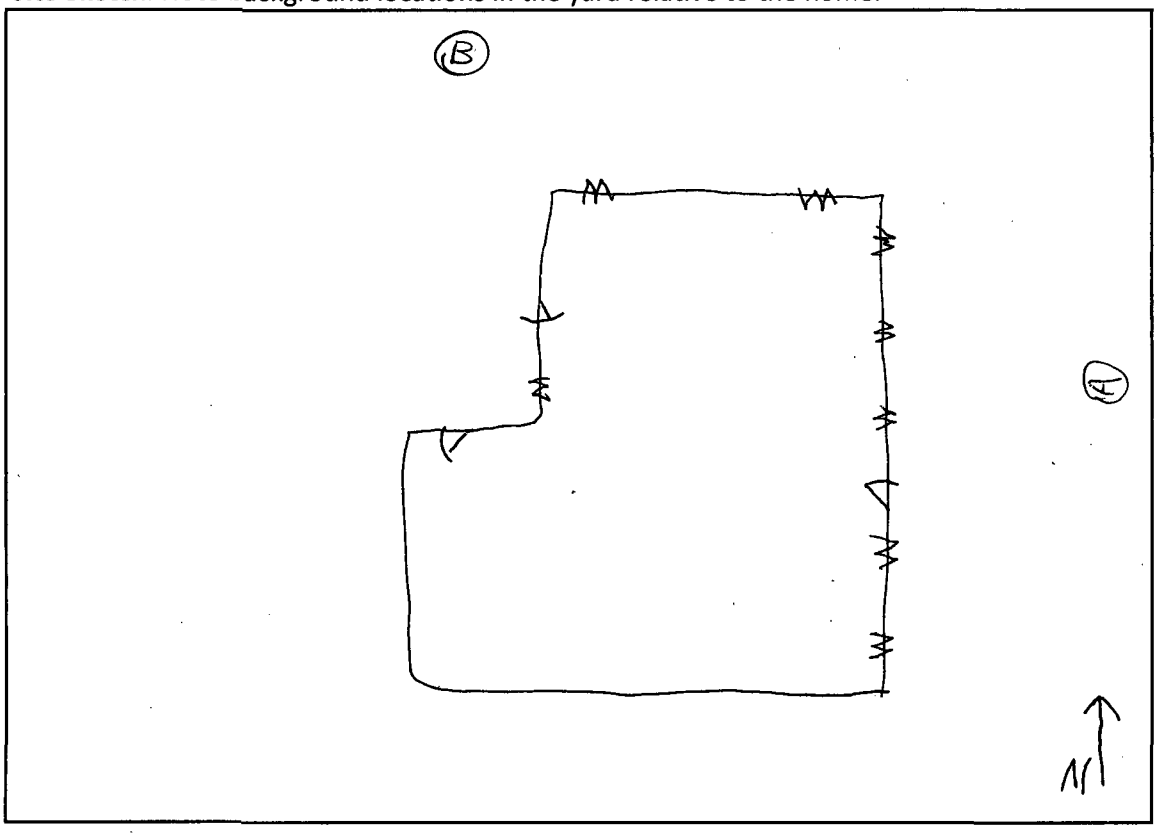
Background #1

1-min scaler time: 1354
1-min scaler reading: 8646
Location description: 25ft east of front of house
Photo time:
Photo description: 25ft east of front of house

Background #2

1-min scaler time: 1403
1-min scaler reading: 7795
Location description: 20ft northwest of house northwest corner
Photo time:
Photo description: 20ft northwest of house northwest corner

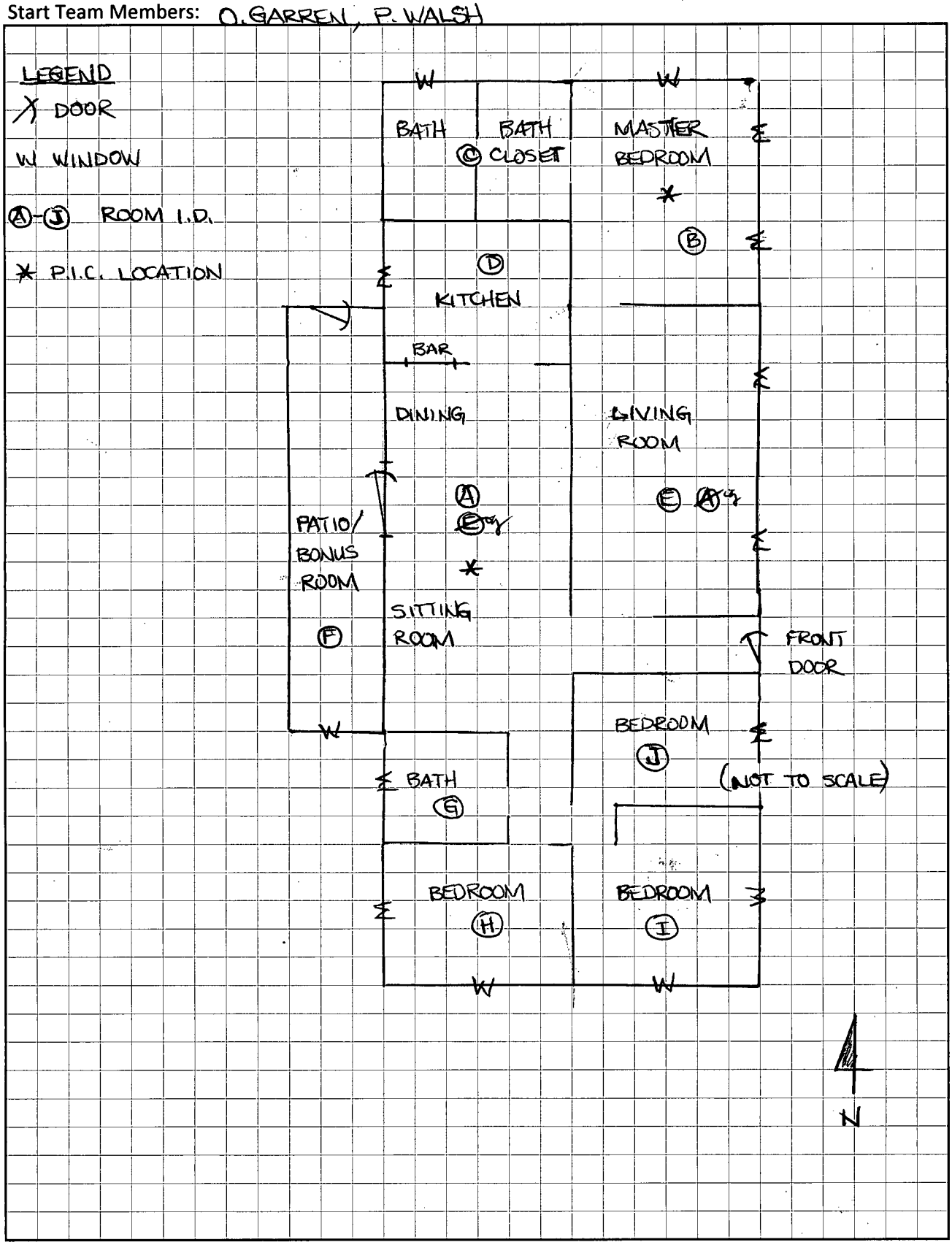
Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 2/22/11 Property ID: FA0053

Start Team Members: O. GARREN, P. WALSH



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: FAQQ75

Date: 2/11/11

START member (who completed this form): T. Evans

Additional START members: S. Wright

Outdoor background readings

1 12285 @ 1644

2 10891

3

4

5

PIC SN: 5(QID22702)

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 12,700

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
FAQQ75-A	1716	1721	10239	1722	2-3
-B	1724	1729	9611	1732	8
-C					2-4
-D					2
-E					0-1
-F					2-4

PIC time On: 1711

PIC time Off: 1737

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: FAQQ75
Date: 2/11/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5 (QID227Q2)
Ludlum #: 149959 Ludlum #:
Detector #: PRQ339Q8 Detector #:

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1642							
Ludlum readings walking from outside to inside	1656							
Readings (cpm): outside: 11,600-13,100 inside: 8,900-10,700								
Scan of entire house general 8,300-12,700	1657							
Anomalous readings: average: 10,800								
Indoor Threshold (Average + 1,900 cpm) (cpm):	12,700							
Start scan of room		1703	1710	1718	1722	1726	1733	
Set up PIC in room		1658	1723					
Photo of PIC in room (note in photo log)		1700	1724					
Turn PIC on		1711						
Start 5-min stabilization period		1711						
End 5-min stabilization period		1716						
1-min scaler reading with Ludlum next to PIC		1722	1732					
Reading:		10239	9611					
Start 5-min recording period		1716	1724					
End 5-min recording period		1721	1729					
Download data. Save file. Clear data.			1740					
Turn PIC off			1737					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: FAQQ75
Date: 2/11/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PR033908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 12,700

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
FAQQ75-A	1703	9,600-12,200	7,400-11,100	none
-B	1710	9,400-11,400	7,700-11,100	none
-C	1718	8,700-10,800	7,400-9,500	none
-D	1722	9,500-11,600	7,000-9,800	none
-E	1726	9,100-11,500	7,100-9,700	none
-F	1733	8,600-11,200	7,000-9,500	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: FAQQ75
Date: 2/11/11
START member who completed this form: J. Wright
Other START members: T. Evans

Ludlum #: 149959
Detector #: PRQ339Q8

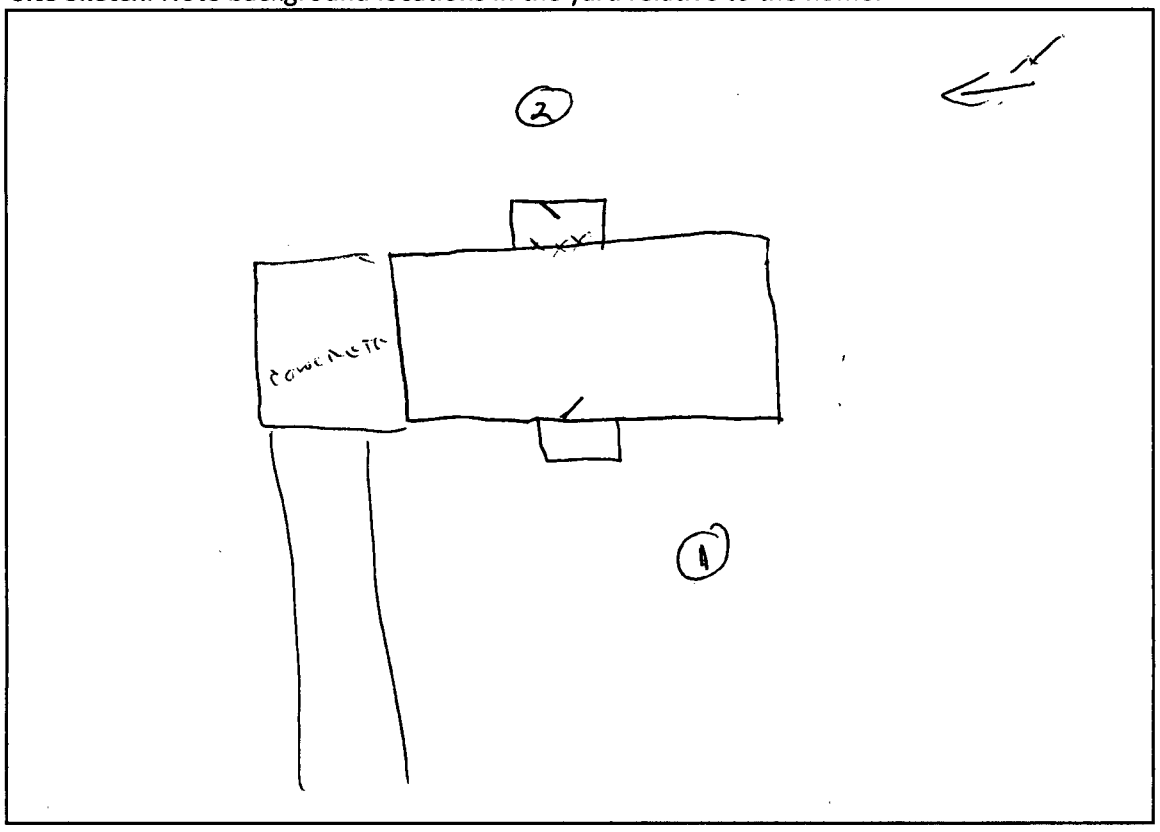
Background #1

1-min scaler time: 1644
1-min scaler reading: 12285
Location description: Front Yard Background Located NE of Front Door in Dirt Area
Photo time: 1648
Photo description:

Background #2

1-min scaler time: 1652
1-min scaler reading: 10891
Location description: Back Yard Background Located W of Back Door in Dirt Area
Photo time: 1654
Photo description:

Site Sketch: Note background locations in the yard relative to the home.

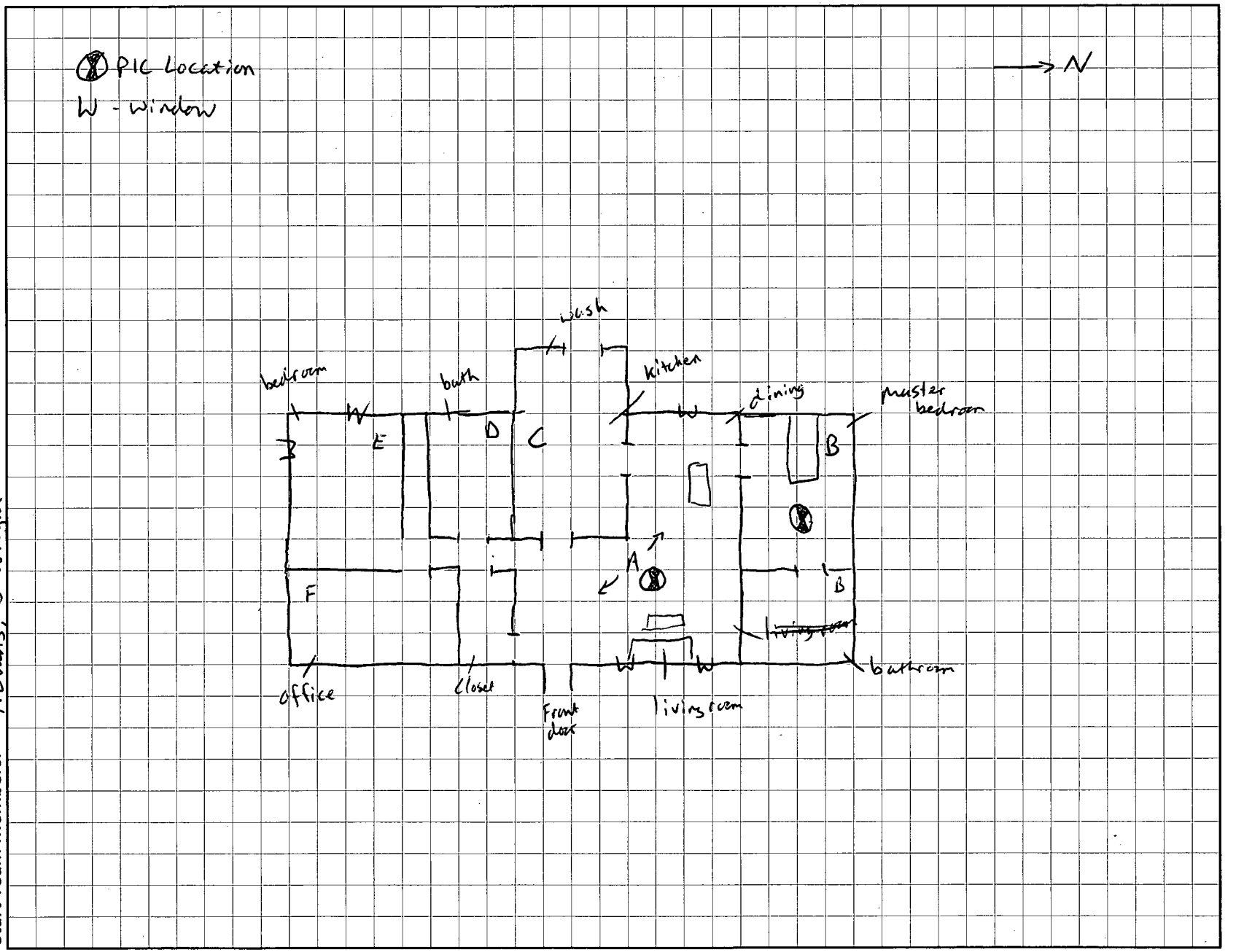


San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: FA0075

Date: 2/11/11

Start Team Members: T. Evans, S. Wright



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: FAQQ76

Date: 2/4/11

START member (who completed this form): T. Evans

Additional START members: J. Wright

Outdoor background readings

1 14063

2 11738

3

4

5

PIC SN: QID227Q2

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 10,900

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
FAQQ76-A	1045	1050	8419	1052	5
-B	1054	1059	8274	1100	7
-C					1
-D					1
-E					1
-F					6-7
-G					6-7
-H					~~6-7~~ 1
-I					6-7
-J					1

PIC time On: 1040

PIC time Off: 1112

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: FAQQ76
Date: 2/4/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5 (Q1D22702)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ33928 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G	H	I	J
Draw site sketch	1005										
Ludlum readings walking from outside to inside	1026										
Readings (cpm): outside: 7,300-9,400 inside: 7,100-8,600											
Scan of entire house general: 7,500-10,300 average: 8000	1028										
Anomalous readings:											
Indoor Threshold (Average + 1,900 cpm) (cpm):	10,900										
Start scan of room		1035	1039	1043	1047	1053	1102		1105	1108	1110
Set up PIC in room		1021	1053								
Photo of PIC in room (note in photo log)		1033	1057								
Turn PIC on		1040									
Start 5-min stabilization period		1040									
End 5-min stabilization period		1045									
1-min scaler reading with Ludlum next to PIC		1052	1100								
Reading:		8419	8274								
Start 5-min recording period		1045	1054								
End 5-min recording period		1050	1059								
Download data. Save file. Clear data.			1117								
Turn PIC off			1112								

room occupied

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: FAQQ76
Date: 2/4/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 10,900

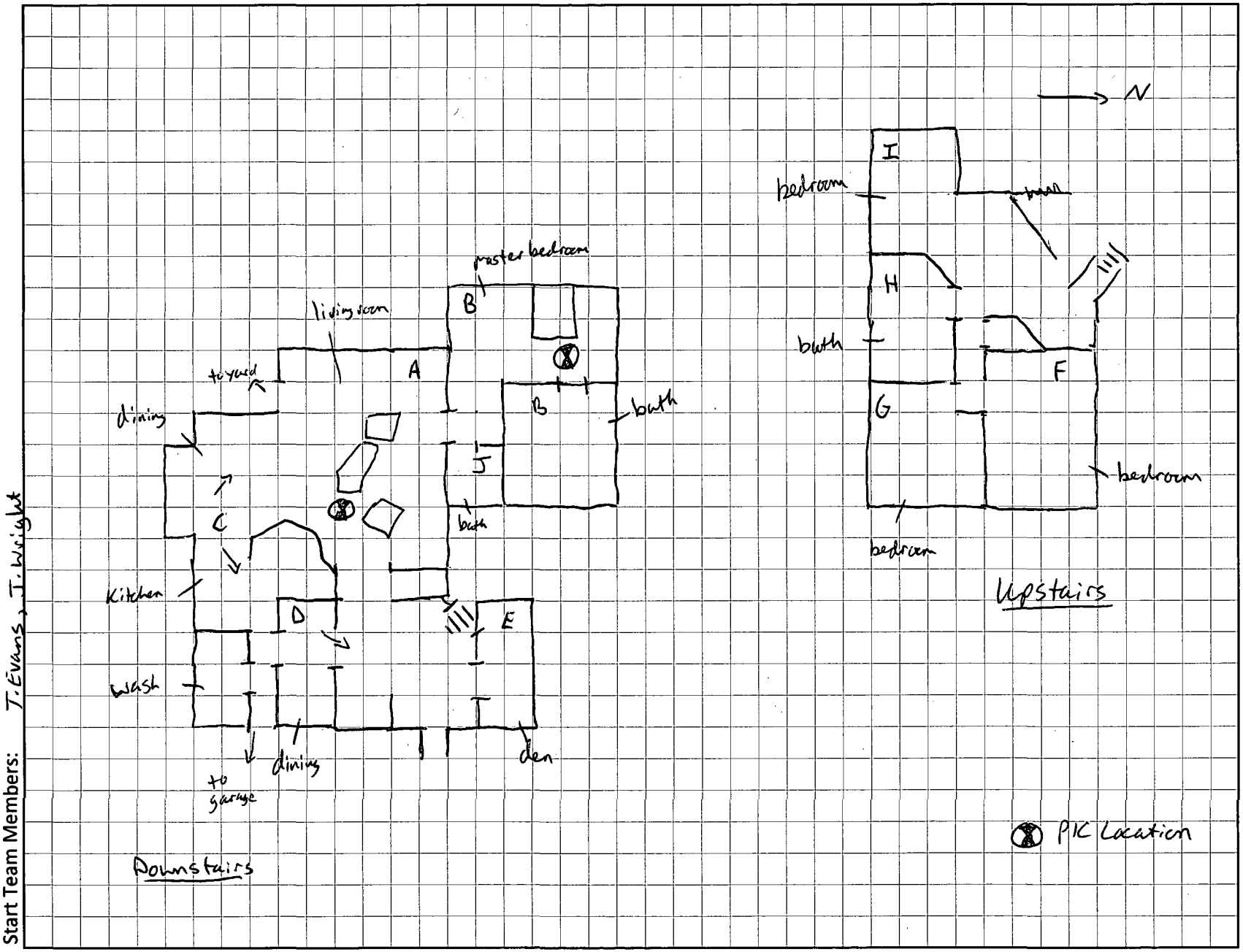
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
FAQQ76-A	1035	7,800-10,000	7,400-9,300	none
-B	1039	7,700-9,400	7,200-9,900	none
-C	1043	7,600-10,500	6,700-9,200	none
-D	1047	7,700-9,500	6,200-8,600	none
-E	1053	8,500-10,100	7,500-9,700	none
-F	1102	6,400-7,800	6,400-8,200	none
-G				Room occupied
-H	1105	7,300-9,500	6,000-8,800	none
-I	1108	7,500-9,500	7,300-9,000	NONE
-J	1110	8,600-9,200	6,500-8,300	NONE

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: FA0076

Date: 2/4/11

Start Team Members: T. Evans, T. Wright



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: FA0076
Date: 2/4/11
START member who completed this form: J. Wright
Other START members: T. Evans

Ludlum #: 149959
Detector #: PR033908

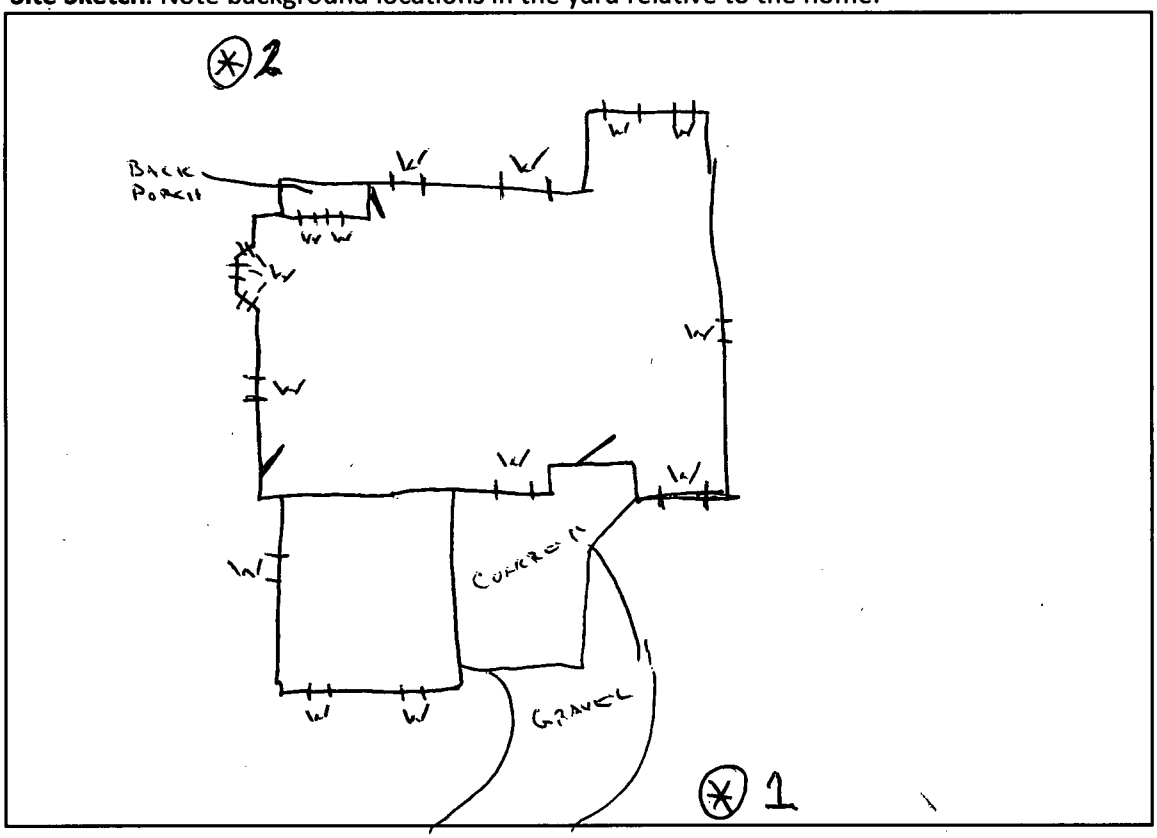
Background #1

1-min scaler time: 1007
1-min scaler reading: 14063
Location description: Front Yard Background Location - NE of House & Driveway in Dirt Area
Photo time: 1009
Photo description: View of Frontyard Background Location

Background #2

1-min scaler time: 1019
1-min scaler reading: 11738
Location description: Backyard Background Location - SW of House in Dirt Area
Photo time: 1020
Photo description: Backyard Background Location

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: FAQQ83

Date: 4/28/11

START member (who completed this form): T. Evans

Additional START members: T. Suleiman

Outdoor background readings

1 9823 cpm

2 11977 cpm

3

4

5

TE

PIC SN: 5 (Q1D22702)

Ludlum SN: 163687

2x2 SN: PR11284Q

Model 19 SN:

Model 03 SN:

Model 12 SN:

TE

Indoor Threshold (Average reading + 1900 cpm): 8,800 + 1,900 = 10,700

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
FAQQ83-A	1344	1349	8657	1343	10
-B	1351	1356	8404	1357	8-10
-C					5
-D					~~0-1~~ 2-3
-E					0-2 ← not accessible
-F					0-1
-G					0-1
-H					10
-I					2-3

PIC time On: 1337

PIC time Off: 1357

Error # 8005 was generated by MSComm
Port already open
Com Port : COM1

with Warren + Jon

click OK
↓
save message

click OK
↓
Run-time error '8018':
Operation valid only when the port is open

★ re-install software

262-8742

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: FAQQ83
Date: 4/28/11
START member who completed this form: T. Evans
Other START members: T. Suleiman
PIC # 5(Q1D22202)
Ludlum #: 163687 Ludlum #: —
Detector #: PR11284Q Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H	Room I
Draw site sketch	1310									
Ludlum readings walking from outside to inside	1323									
Readings (cpm): outside: 8,500-10,500 inside: 8,000-9,500										
Scan of entire house; range: general: 7,400-9,400	1324									
Average reading: average: 8,800										
Indoor Threshold (Average + 1,900 cpm) (cpm):	10,700									
Start scan of room		1334	1337	1339	1341		1343	1346	1348	1351
Set up PIC in room		1332	1350							
Photo of PIC in room (note in photo log)		1335	1351							
Turn PIC on		1337								
Start 5-min stabilization period		1337								
End 5-min stabilization period		1342								
1-min scaler reading with Ludlum next to PIC		1343	1357							
Reading:		8657	8404							
Start 5-min recording period		1344	1351							
End 5-min recording period		1349	1356							
Download data. Save file. Clear data.			1402							
Turn PIC off			1357							

Grants Mineral Belt
Residential Information Sheet

Yard Information

a. Was any fill material used in the home site yard?
If yes, respond to the following:

Did any of the fill materials come from any mine or mill sites? If yes, respond the following:	
Type of fill materials from mine/mills: (e.g. rocks, petrified wood, dirt, etc)	Location of fill material from mine/mills:
Uses of fill material from mine/mills: (e.g. walkways, walls, flower beds, etc)	Was any fill materials from mines/mills used in the vegetable garden or near fruit trees:

b. Do you have a vegetable garden or fruit trees in the yard?
If yes, respond to the following:
What type of vegetables/fruit do you grow? _____
How many pounds/year of vegetables/fruit are eaten from this garden? _____

Comments (Related to yard information):

Include any other information about the building of the structure that you think would be useful to EPA's efforts to identify and locate the source of the materials used as fill material under the house or in the yard

Information on Additional Structures on the Property

a. Any additional structures on the property?
If yes, respond to the following:

b. Main use of the additional structure: (e.g. Storage, Workshop, Garage, etc.)	c. When was the additional structure built?

d. Who built the additional structure?
e.

f. What are the building materials of the additional structure (e.g. Adobe, wood frame, cinder block, rock and plaster, dirt floor, sub floor over cross base, frame stucco, slab on-grade) ?

g. What are the sources of materials use to build the additional structure?

h. Did any of the building materials for the additional structure come from mines/mills?
If yes, respond to the following:
Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____

i. Were there any renovations or major changes to the additional structure?
If yes, respond to the following:

Who worked on the renovations for the additional structure?	
When were the renovations for the additional structure?	
What are the materials used for the renovations of the additional structure?	What are the sources of materials used for the renovations of the additional structures?
Did any of the renovations materials come from mines/mills? _____ If yes, respond the following Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____	

j. Are any rocks, furniture, souvenirs, or memorabilia from the mines stored in the building?

k. Is/are the additional structure(s) used as a residence? If yes, respond to the following How many hours/day is the additional structure occupied?	Comments (Related to additional structures):

If extra space is needed, please write on back of page.

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: FAQQ83
Date: 11/28/11
START member who completed this form: T. Evans
Additional START members: T. Sulaiman
Ludlum #: 163687
Detector #: PR112840

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 10,700

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
FAQQ83-A	1334	8,500-9,500	7,400-8,700	none
-B	1337	8,600-9,800	7,500-9,200	none
-C	1339	8,600-9,600	7,400-9,300	none
-D	1341	8,400-9,300	8,000-9,000	none
-E	—	—	—	unaccessible due to wife sleeping
-F	1343	8,400-9,700	7,500-8,500	none
-G	1346	8,500-9,500	8,500-9,200	none
-H	1348	8,200-8,400	7,100-9,100	none
-I	1351	8,300-9,500	7,100-9,400	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: FA 0083
Date: 4/28/2011
START member who completed this form: T. Sulaiman
Other START members: T. Evans

Ludlum #: 163687
Detector #: PR112890

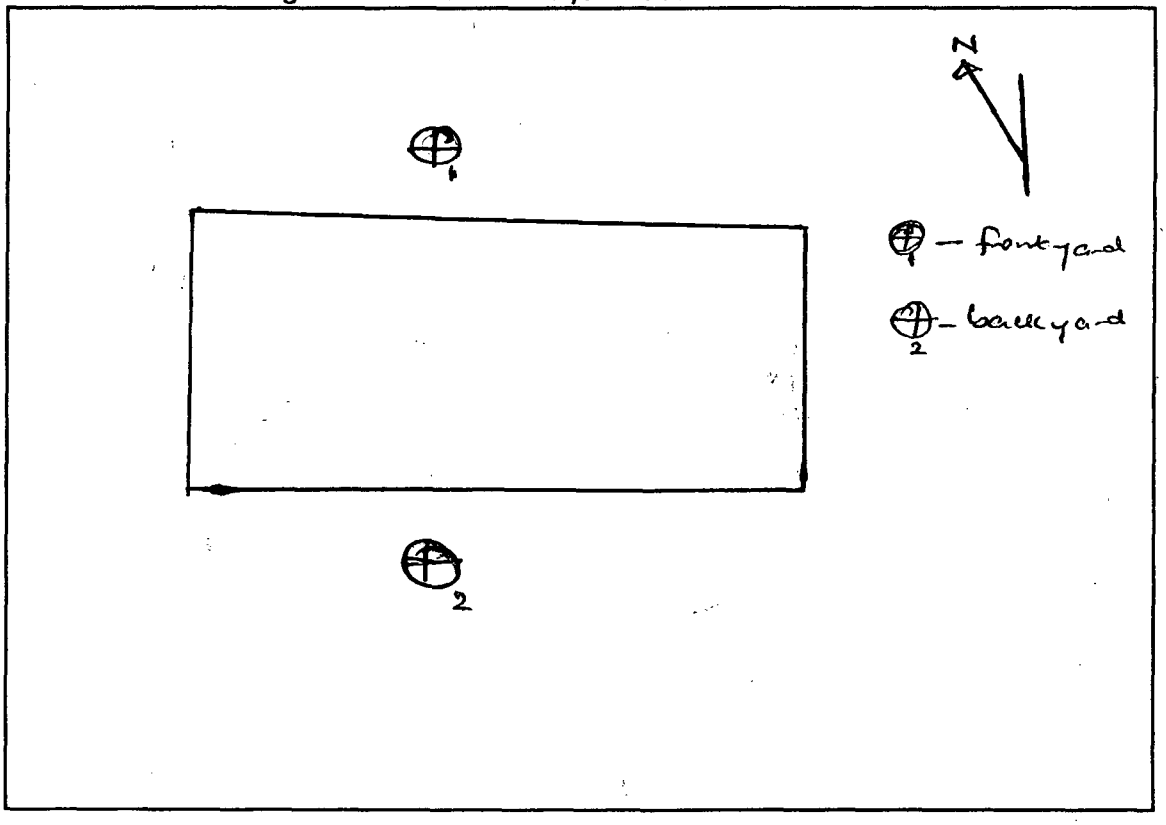
Background #1

1-min scaler time: 1310
1-min scaler reading: 9823
Location description: Front of house
Photo time: 1321
Photo description: Front of house

Background #2

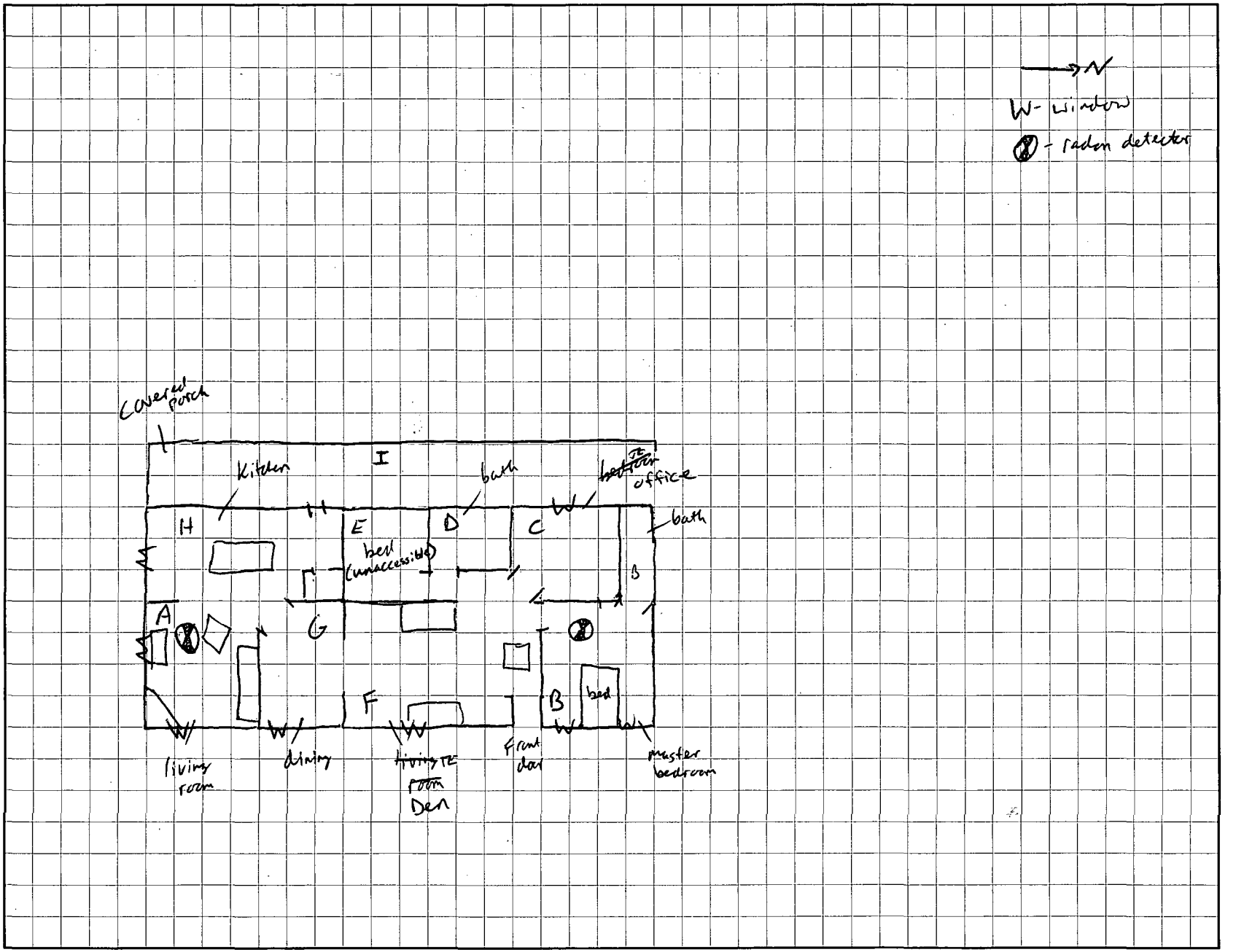
1-min scaler time: ~~11/9~~ 1312
1-min scaler reading: 11977
Location description: Back of house
Photo time: ~~Back of house~~ 1326
Photo description: Back of house

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon
Phase 2 House Sketch
Property ID: FA&083

Date: 4/28/11
Start Team Members:



RAT *FILE* NOMENCLATURE*

a) ***NO** RAT FILE needed for **XRF** aliquots/ samples (At Properties or Bkgd.)

b) ***NO** RAT FILE needed for **BKGD Soil Samples**

*GIS will create XRF and BKGD Soil Sample RAT FILES from Ludlum '1-minute' readings

Property ID - FILE TYPE - Assessment Number beginning with '01' and ascending

1) **Property ID**
   a) **Background areas:**

BB-Bkgd-	for Bibo
SB-Bkgd-	for Seboyeta
MO-Bkgd-	for Moquino
SM-Bkgd-	for San Mateo
PC-Bkgd-	for Poison Canyon
LG-Bkgd-	for Laguna

   b) **Properties:** should be self-explanatory.... e.g., BB0001, SB0076, etc.

2) **FILE TYPE**

PA	Property Assessment (use PA for **Bkgd** & Property)
SP	Single Point "1-minute Ludlum "
HS	Hot Spot Sample Locations

RAT *POINT NAME* NOMENCLATURE
(within RAT FILES per above)

All **POINT NAMES** within RAT FILES are the same as its corresponding **Sample Nomenclature:**

Property ID- Sequential Sample location - Sample Type+ QC Type – Date

(see explanation under SAMPLE NOMENCLATURE on 1st page)

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: FAQQ87

Date: 2/23/11

START member (who completed this form): T. Evans

Additional START members: P. Walsh

Outdoor background readings

1 9931 cpm @ 1015

2 12774 cpm

3

4

5

PIC SN: 5 (Q1022702)

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,500 + 1,900 = 11,400

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
FAQQ87-A	1046	1051	8868	1052	11-12
-B	1054	1059	8114	1100	4-6
-C					3-4
-D					1-2
-E					1-2
-F					1
-G					4-8
-H					2-3

PIC time On: 1041

PIC time Off: 1107

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: FA0087
Date: 2/23/11
START member who completed this form: T. Evans
Other START members: P. Walsh
PIC # 5 (01D22702)
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G	H
Draw site sketch	1012								
Ludlum readings walking from outside to inside	1031								
Readings (cpm): Outside: 11,100-13,100 Inside: 8,800-9,200									
Scan of entire house General: 7,600-10,900	1032								
Anomalous readings: Average: 9,500									
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,400								
Start scan of room		1037	1040	1044	1049	1053	1056	1100	1104
Set up PIC in room		1024	1053						
Photo of PIC in room (note in photo log)		1033	1055						
Turn PIC on		1041							
Start 5-min stabilization period		1041							
End 5-min stabilization period		1046							
1-min scaler reading with Ludlum next to PIC		1052	1100						
Reading:		8868	8114						
Start 5-min recording period		1046	1054						
End 5-min recording period		1051	1059						
Download data. Save file. Clear data.			1112						
Turn PIC off			1107						

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: FAQQ87
Date: 2/23/11
START member who completed this form: T. Evans
Additional START members: P. Walsh
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 11,400

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
FAQQ87-A	1037	8,900-10,100	8,000-9,200	none
-B	1040	7,200-10,500	7,200-10,000	none
-C	1044	7,800-10,500	7,800-10,500	none
-D	1049	8,400-10,400	8,500-10,500	none
-E	1053	8,100-10,400	8,500-10,500	none
-F	1056	8,800-10,600	8,800-10,500	none
-G	1100	9,000-10,900	9,500-11,100	none
-H	1104	9,100-11,100	9,500-10,800	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: FAQQ87
Date: 2-23-2011
START member who completed this form: P. Walsh
Other START members: T. Evans

Ludlum #: 149959
Detector #: PRQ33908

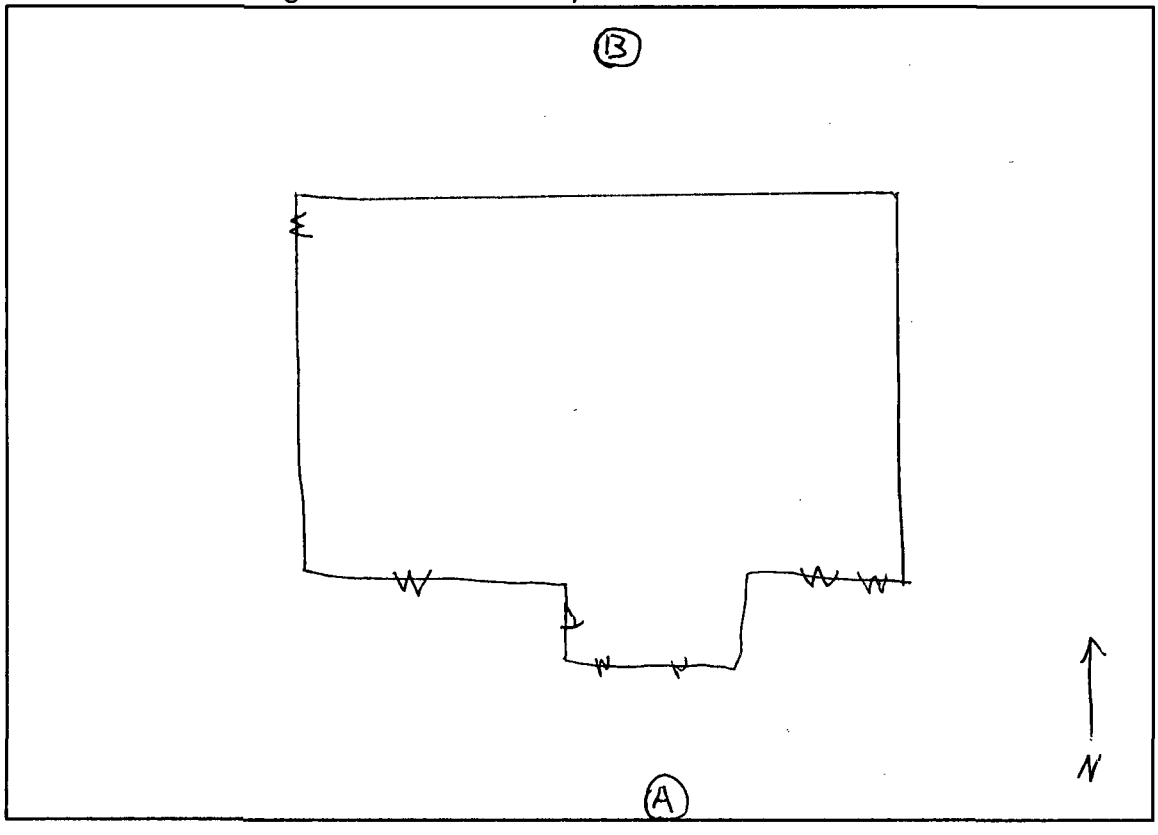
Background #1

1-min scaler time: 1015
1-min scaler reading: 9931
Location description: south of front of house about 30 ft out
Photo time: 1016
Photo description: south side of house facing north

Background #2

1-min scaler time: 1025
1-min scaler reading: 12774
Location description: north side of house about 20 ft. out
Photo time: 1025
Photo description: north side of house facing south

Site Sketch: Note background locations in the yard relative to the home.

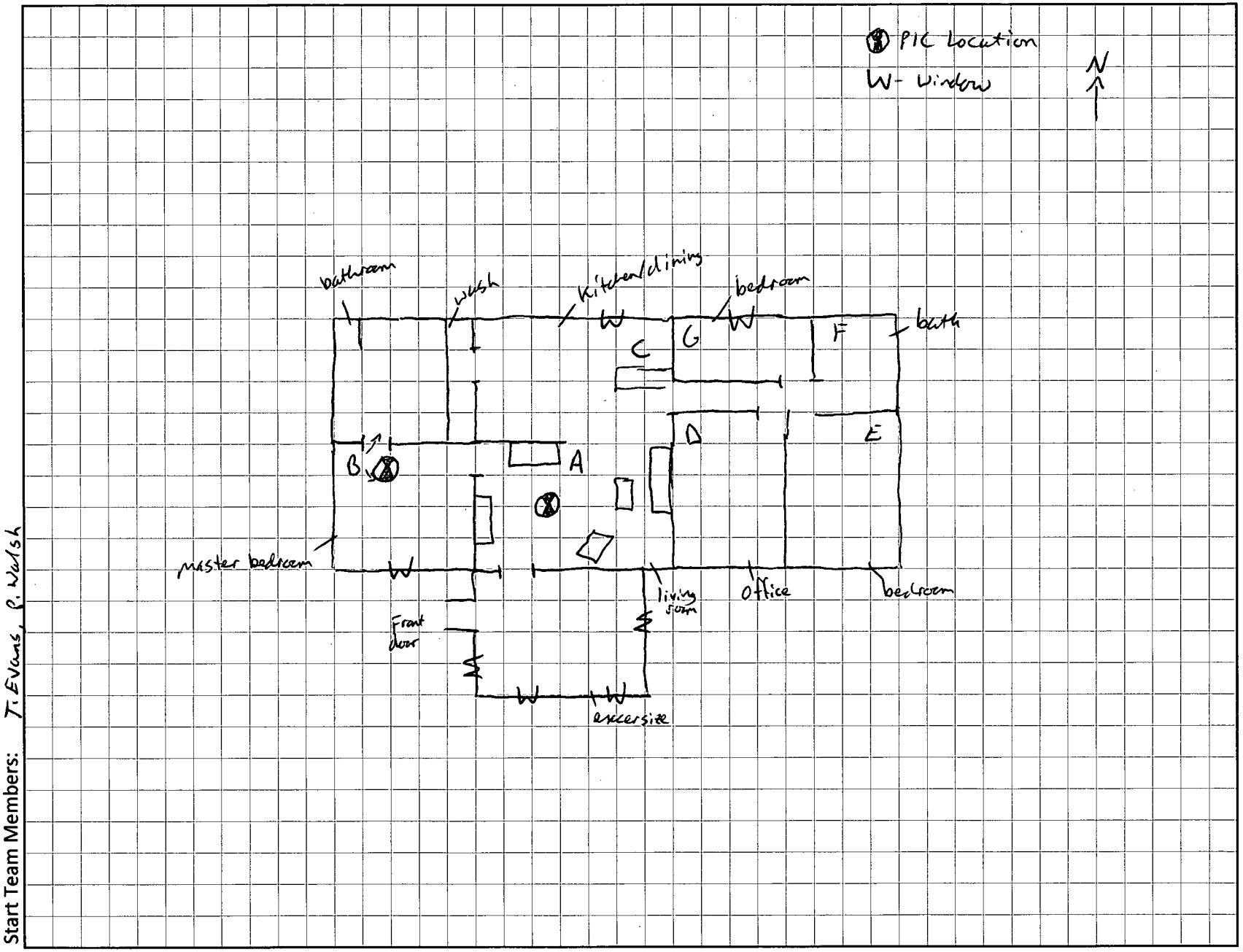


San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: FA0087

Date: 2/23/11

Start Team Members: T. Evans, P. Walsh



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: FA0187
Date: 2/17/11
START member (who completed this form): T. Evans
Additional START members: O. Garcia

Outdoor background readings
1 11083 @ 1400
2 10779
3
4
5

PIC SN: 01022702
Ludlum SN: 149959
2x2 SN: PR033908
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 8,800 + 1,900 = 10,700

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
FA0187-A	1439	1444	8274	1445	8-10
-B	1447	1452	7604	1455	8-10
-C	1501	1506	8245	1509	8-10
-D					1
-E					1
-F					1
-G					2

PIC time On: 1432
PIC time Off: 1546

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: FAQ187
Date: 2/17/11
START member who completed this form: T. Evans
Other START members: O. Garren
PIC # Q1022702
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ33908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1412							
Ludlum readings walking from outside to inside	1414							
Readings (cpm): outside: 8,800-10,300 inside: 7,800-10,000								
Scan of entire house general: 6,200-10,500	1415							
Anomalous readings: average: 8,800								
Indoor Threshold (Average + 1,900 cpm) (cpm):	10,700							
Start scan of room		1421	1431	1435	1455	1458	1503	1518
Set up PIC in room		1424	1446	1500	|	|	|	|
Photo of PIC in room (note in photo log)		1425	1448	1502	|	|	|	|
Turn PIC on		1432						
Start 5-min stabilization period		1432						
End 5-min stabilization period		1437						
1-min scaler reading with Ludlum next to PIC		1445	1455	1509	|	|	|	|
Reading:		8274	7604	8245	|	|	|	|
Start 5-min recording period		1439	1447	1501	|	|	|	|
End 5-min recording period		1444	1452	1506	|	|	|	|
Download data. Save file. Clear data.			|	1550	|	|	|	|
Turn PIC off			|	1546	|	|	|	|

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: FAQ187
Date: 2/17/11
START member who completed this form: T. Evans
Additional START members: O. Garren
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 10,700

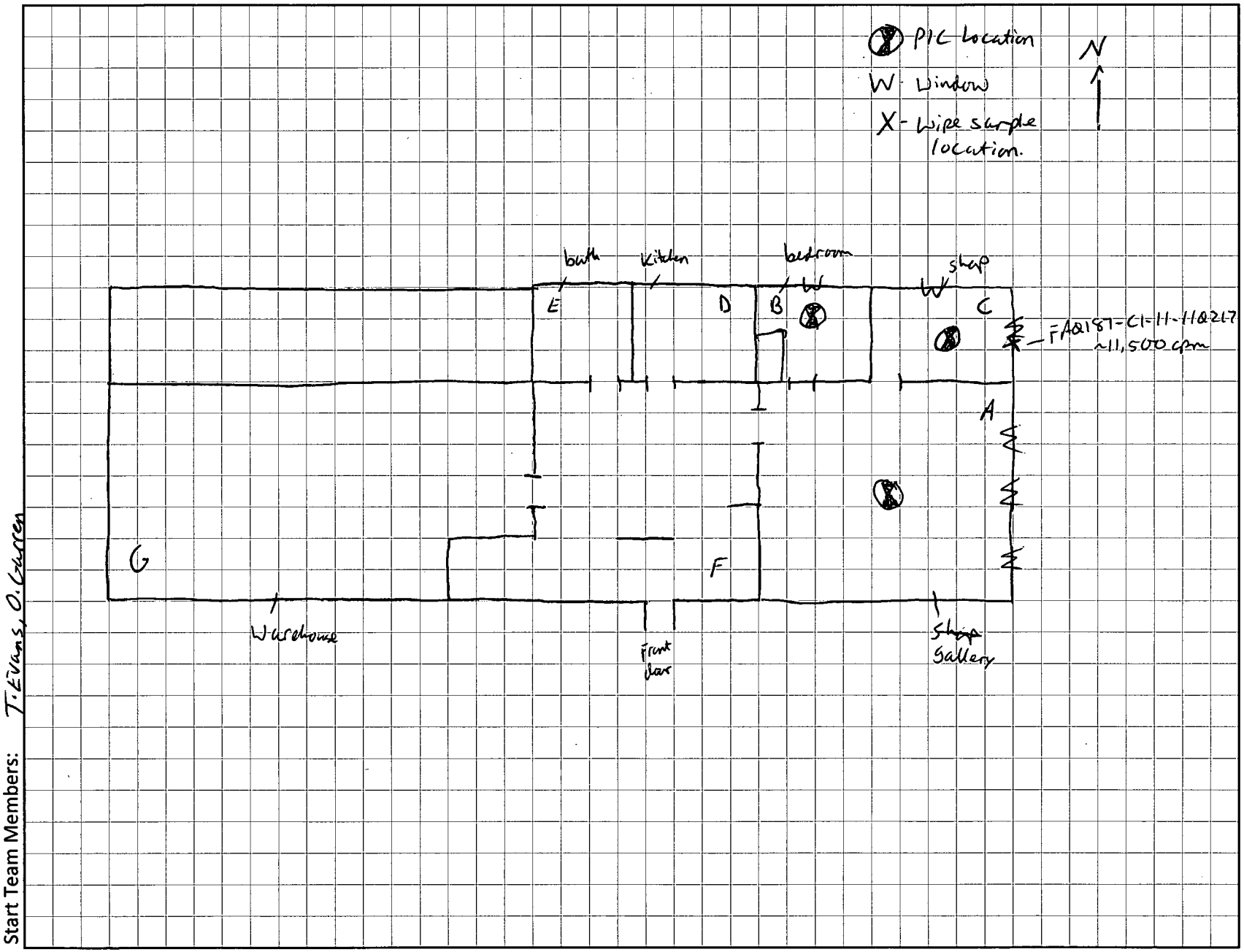
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
FAQ187-A	1421	7,300-10,300	6,900-10,000	none
-B	1431	7,600-9,600	6,300-8,900	none
-C	1435	8,000-10,300	6,300-11,500	on east wall below window, right of work bench
-D	1455	6,900-9,600	6,000-9,100	none
-E	1458	8,100-9,500	6,500-8,400	none
-F	1503	7,400-10,300	6,700-10,000	none
-G	1519	6,000-10,200	6,000-9,800	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: FA0187

Date: 2/17/11

Start Team Members: T. Evans, O. Garren



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: FA0187
Date: 2/17/11
START member who completed this form: O. Garren
Other START members: T. Evans

Ludlum #: 149959
Detector #: PR033908

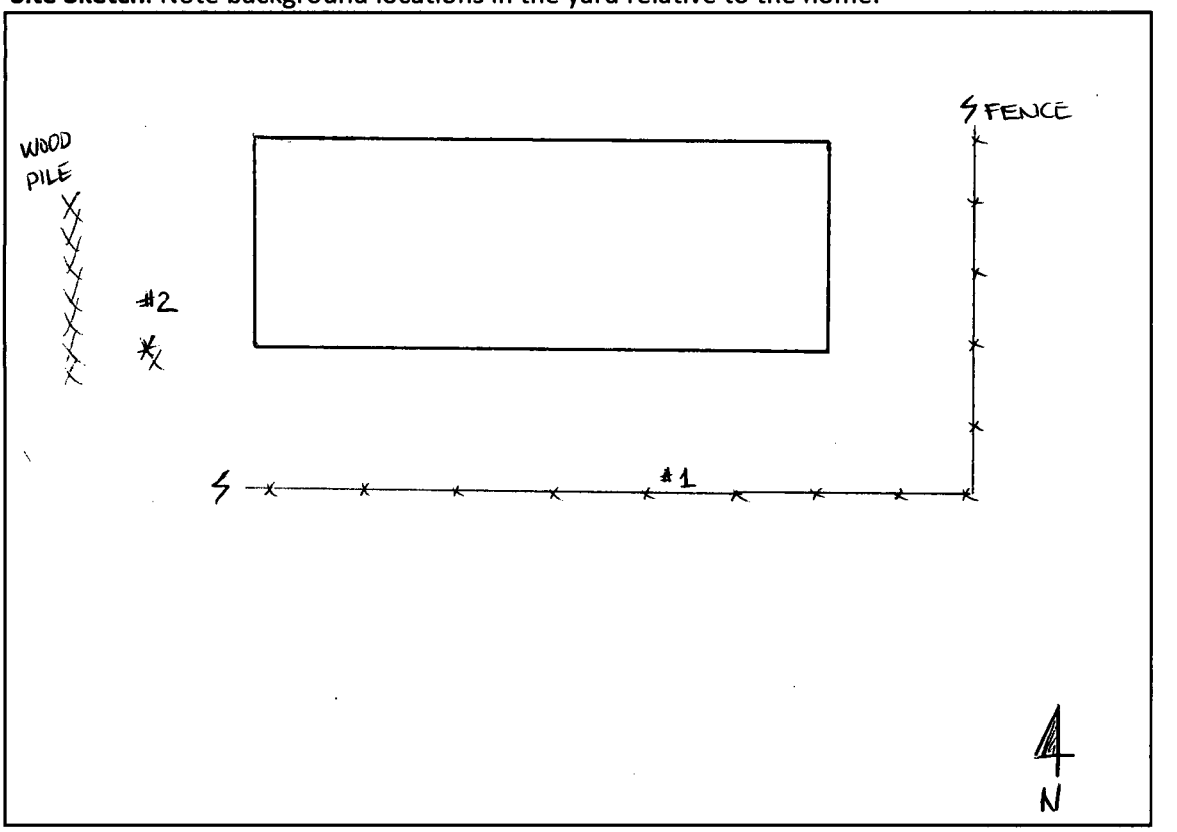
Background #1

1-min scaler time: 1400
1-min scaler reading: 11083
Location description: SOUTH OF WAREHOUSE; NEXT TO FENCE
Photo time: 1353
Photo description: FACING EAST LAT: 35.217144 LONG: -107.86953

Background #2

1-min scaler time: 1405
1-min scaler reading: 10779
Location description: WEST OF WAREHOUSE; NEXT TO WOOD PILE
Photo time: 1401
Photo description: FACING SE LAT: 35.217394 LONG: -107.86982

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: MA0005
Date: 4/12/11
START member (who completed this form): J. Evans
Additional START members: J. Wright

Outdoor background readings
1 7886 @ 1003
2 7936
3
4
5
JL

PIC SN: 5(010227002)
Ludlum SN: 163687
2x2 SN: PR112840
Model 19 SN:
Model 03 SN:
Model 12 SN:
JL

Indoor Threshold (Average reading + 1900 cpm): ~~12,100~~ JL 11,100

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MA0005-A	1032	1037	9142	1031	4
-B	1038	1043	8442	1044	8
-C	—	—	—	—	8
-D	—	—	—	—	0
-E	—	—	—	—	0-1
-F	—	—	—	—	1
-G	—	—	—	—	0

PIC time On: 1025

PIC time Off: 1045

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: MA0005
Date: 4/12/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5(0102202)
Ludlum #: 163687 Ludlum #: —
Detector #: PR112840 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1001							
Ludlum readings walking from outside to inside	1015							
Readings (cpm): Outside: 7,400-7,600 Inside: 9,200-10,100								
Scan of entire house	1016							
Anomalous readings: General: 8,400-14,200 Average: 9,200								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,100							
Start scan of room		1020	1024	1028	1032	1034	1036	1041
Set up PIC in room		1012	1037					
Photo of PIC in room (note in photo log)		1017	1039					
Turn PIC on		1025						
Start 5-min stabilization period		1025						
End 5-min stabilization period		1030						
1-min scaler reading with Ludlum next to PIC		1031	1044					
Reading:		9142	8442					
Start 5-min recording period		1032	1038					
End 5-min recording period		1037	1043					
Download data. Save file. Clear data.			1047					
Turn PIC off			1045					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: MA2QQ5
Date: 4/18/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 163687
Detector #: PR112848

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): ~~12,100~~ 11,100

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
MA2QQ5-A	1020	9000-10,600	7,200-14,800	none
-B	1024	8,500-10,100	6,500-8,000	none
-C	1028	8,300-9,700	6,500-8,400	none
-D	1032	8,600-9,700	6,900-8,600	none
-E	1034	9,200-10,200	7,200-8,700	none
-F	1036	8,200-10,000	6,700-8,400	none
-G	1041	8,300-9,400	7,300-8,500	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MA0005
Date: 4/12/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 163687
Detector #: PR 112840

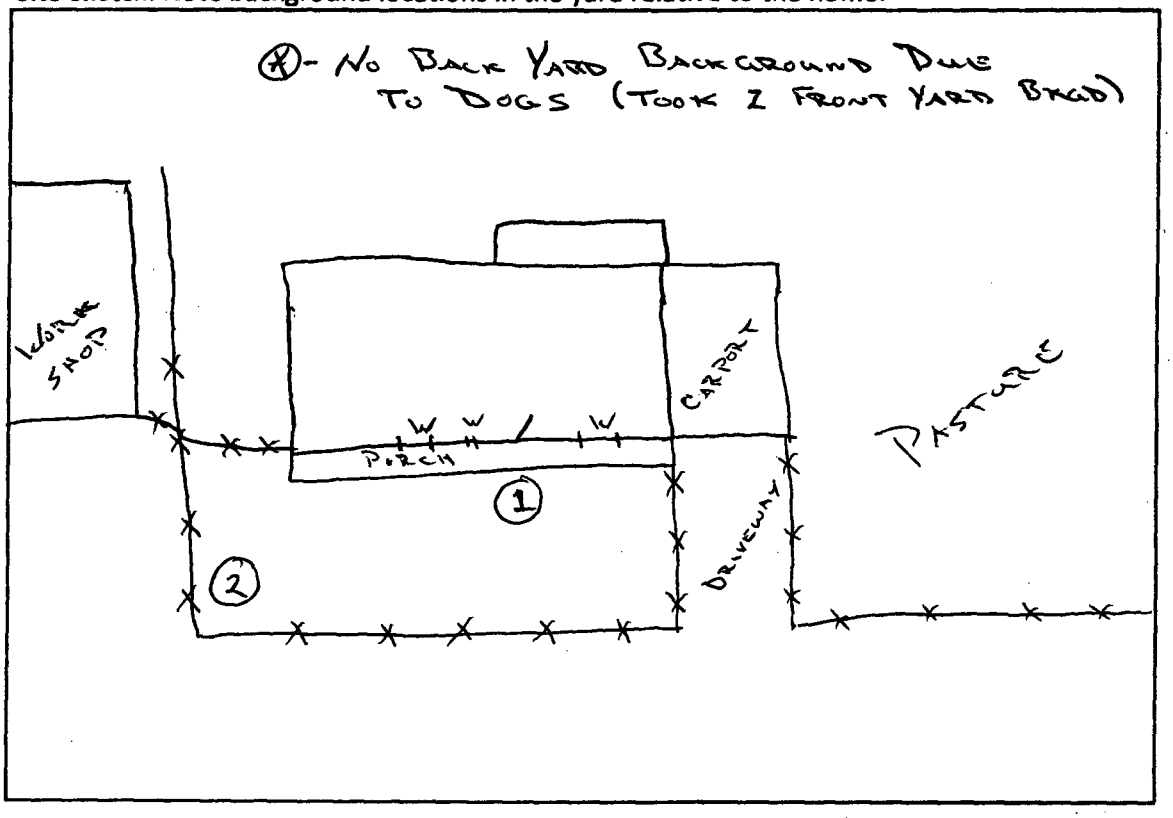
Background #1

1-min scaler time: 1003
1-min scaler reading: 7886
Location description: FRONT YARD BACKGROUND LOCATED E OF FRONT DOOR IN GRASS
Photo time: 1004
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1011
1-min scaler reading: 7936
Location description: FRONT YARD BACKGROUND (#2) LOCATED IN NW CORNER OF YARD IN GRASS
Photo time: 1012
Photo description: FRONT YARD BACKGROUND (#2) LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.

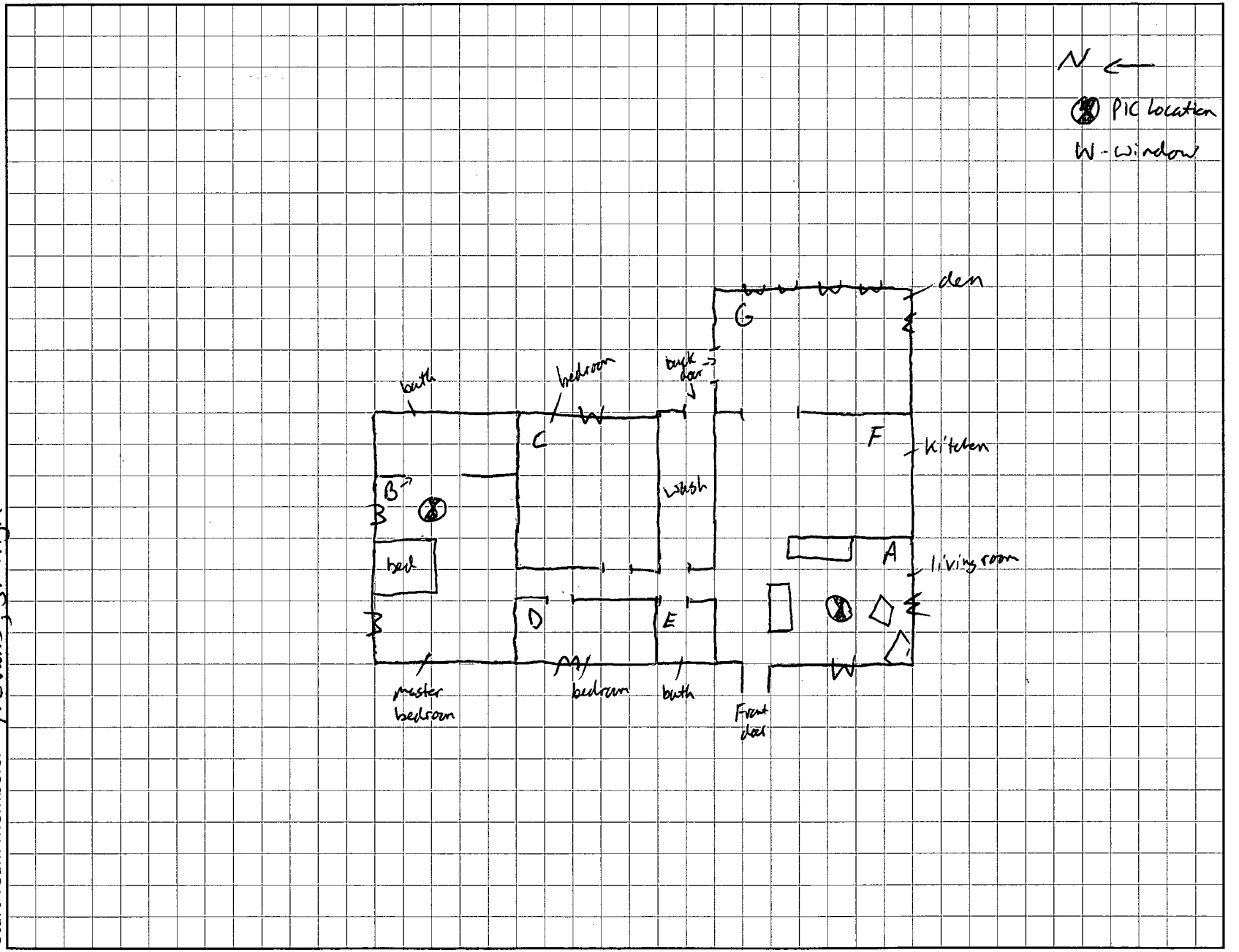


San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: MA0005

Date: 4/12/11

Start Team Members: T. Evans, J. Wright



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: MAQQ21

Date: 4/22/11

START member (who completed this form): T. Evans

Additional START members: T. Sulaiman

Outdoor background readings

1 10643 e 1005

2 12635

3

4

5

JE

PIC SN: Q1D22702

Ludlum SN: ~~149959~~ 163687

2x2 SN: ~~PR033908~~ PR112840

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,600 + 1,900 = 11,500

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MAQQ21-A	1036	1041	9015	1044	10
-B	1046	1051	8966	1053	20
-C	1056	1101	9716	1102	8
-D					2
-E					3-4
-F					0-1

PIC time On: 1031

PIC time Off: 1102

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: MAQQ21
Date: 4/22/11
START member who completed this form: T. Evans
Other START members: T. Sulaiman
PIC # Q1D22702
Ludlum #: ~~114959~~ 163687 Ludlum #: —
Detector #: ~~PR033908~~ PR112840 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1002							
Ludlum readings walking from outside to inside	1012							
Readings (cpm): outside: 9,000-10,500 inside: 8,600-10,500								
Scan of entire house general: 8,700-11,500	1015							
Anomalous readings: average: 9,600								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,500							
Start scan of room		1020	1031	1035	1045	1049	1055	
Set up PIC in room		1030	1045	1055	|	|	~~1055~~	
Photo of PIC in room (note in photo log)		1104	1047	1056	|	|	|	
Turn PIC on		1031						
Start 5-min stabilization period		1031						
End 5-min stabilization period		1036						
1-min scaler reading with Ludlum next to PIC		1044	1053	1102	|	|		
Reading:		9014	8966	9716	|	|	|	
Start 5-min recording period		1036	1046	1056	|	|	~~1056~~	
End 5-min recording period		1041	1051	1101	|	|	~~1101~~	
Download data. Save file. Clear data.			|	1117	|	|	|	
Turn PIC off			|	1102	|	|	|	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: MAQQ21
Date: 4/22/11
START member who completed this form: T. Evans
Additional START members: T. Sulaiman
Ludlum #: ~~149959~~ 163687
Detector #: ~~PR033988~~ PR112840

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 11,500

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
MAQQ21-A	1020	8,800-11,200	7,800-10,200	none
-B	1031	9,000-10,500	10,000-10,400	none
-C	1035	9,000-11,500	7,500-12,500	on south and west walls
-D	1045	8,500-10,200	7,500-9,000	none
-E	1049	8,500-11,000	7,000-9,000	none
-F	1055	8,000-10,900	8,000-10,200	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MA0021
Date: 4/22/11
START member who completed this form: T. Suleiman
Other START members: T. Evans

Ludlum #: 163687
Detector #: PR112840

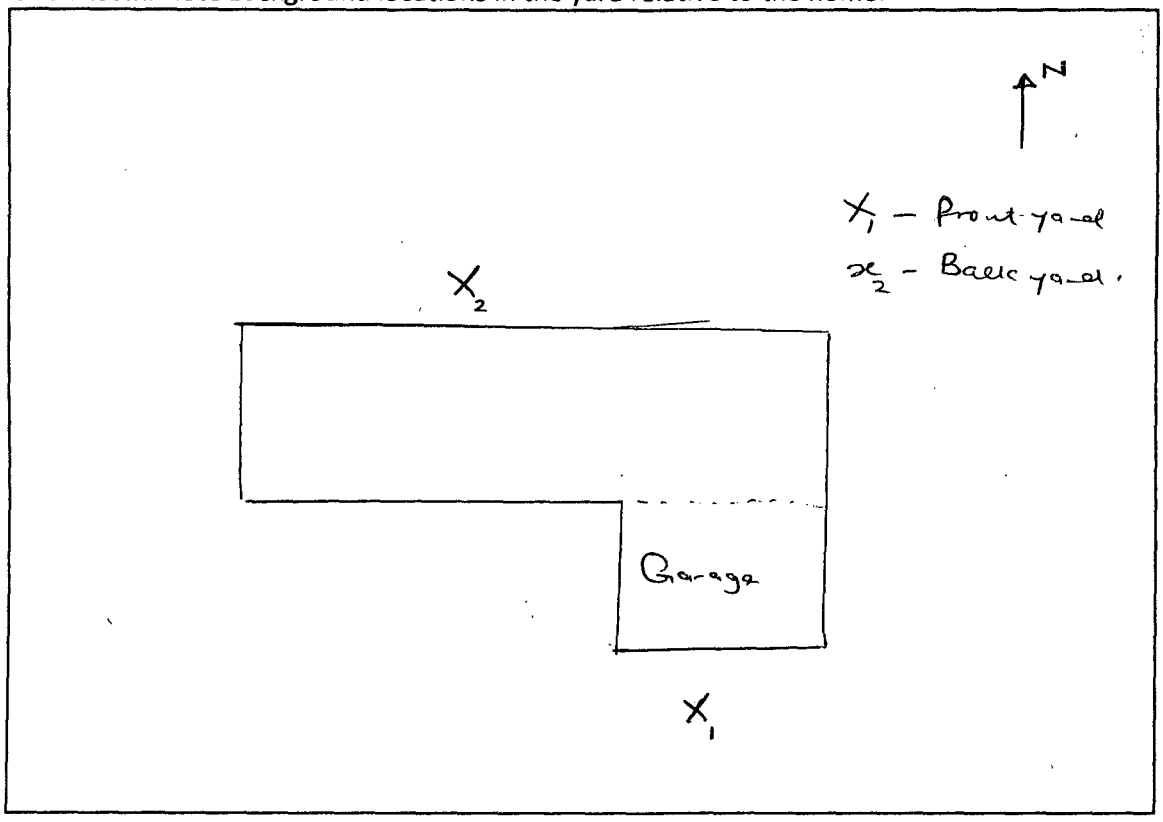
Background #1

1-min scaler time: 1005
1-min scaler reading: 10643
Location description: Front of House
Photo time: 1015
Photo description: Background Scaler front yard.

Background #2

1-min scaler time: 1008
1-min scaler reading: 12635
Location description: Back of house
Photo time: 1021
Photo description: Background Scaler back yard.

Site Sketch: Note background locations in the yard relative to the home.



AccuStar Labs
11 Awl Street Medway MA 02053 508-533-8812

Packing List

SHIP TO

Weston Solutions Inc.-K. Warr
5599 San Felipe Suite 700
Houston TX 77056

Order Date: 10/18/2010

Device Numbers Sent

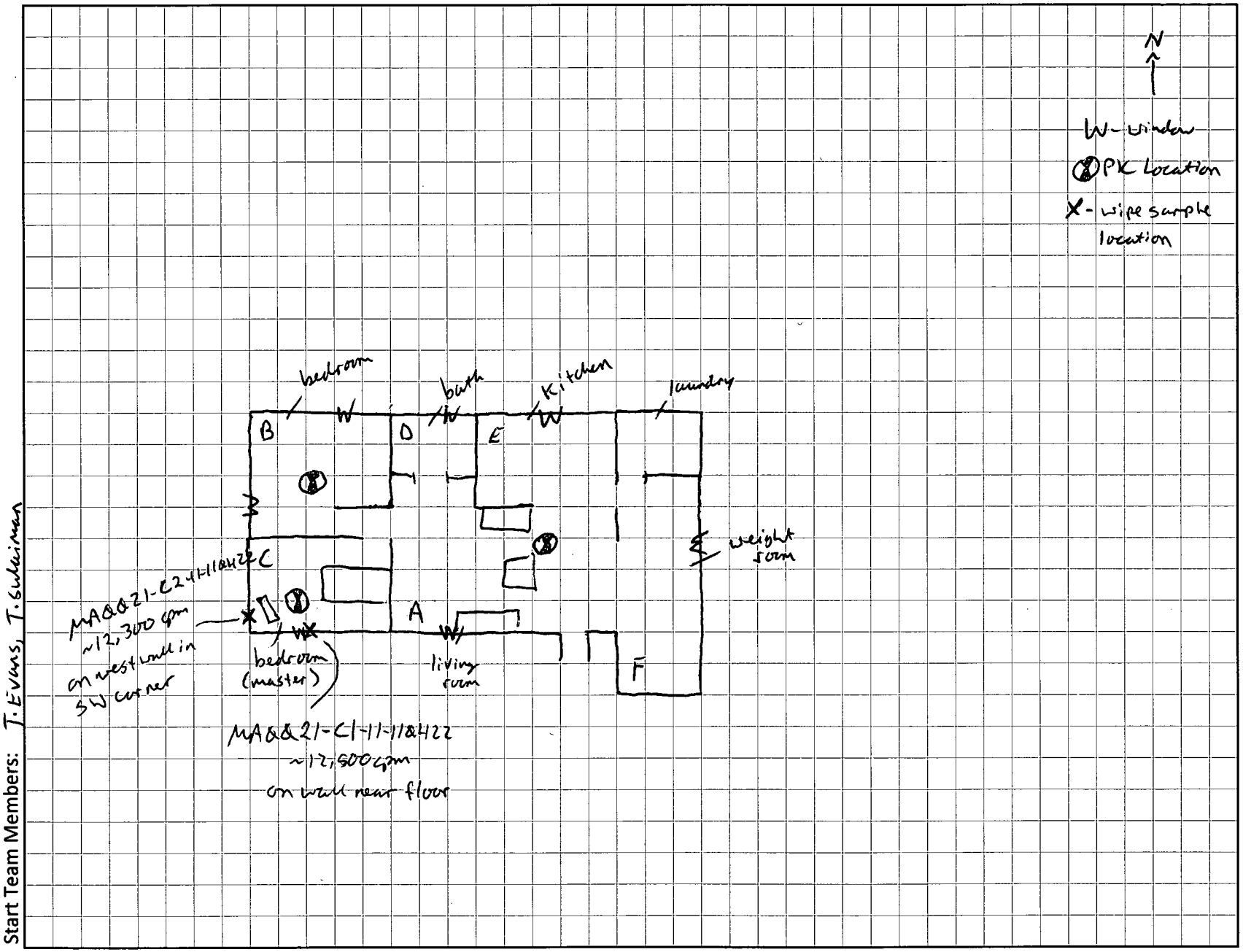
433395	433396	433397	433398	433399	433400
433401	433402	433403	433404	433405	433406
433407	433408	433409	433410	433411	433412
433413	433414	433415	433416	433417	433418
433419	433420	433421	433422	433423	433424
433425	433426	433427	433428	433429	433430
433431	433432	433433	433434	433435	433436
433437	433438	433439	433440	433441	433442
433443	433444	433445	433446	433447	433448
433449	433450	433451	433452	433453	433454
433455	433456	433457	433458	433459	433460
433461	433462	433463	433464	433465	433466
433467	433468	433469	433470	433471	433472
433473	433474	433475	433476	433477	433478
433479	433480	433481	433482	433483	433484
433485	433486	433487	433488	433489	433490
433491	433492	433493	433494	433495	433496

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: MAQQ21

Date: 4/22/11

Start Team Members: J. Evans, T. Sulaiman



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: MAQQ24
Date: 4/11/11
START member (who completed this form): T. Evans
Additional START members: J. Wright

Outdoor background readings
1 9640 cpm
2 8468 cpm
3
4
5

PIC SN: 5(Q1D22702)
Ludlum SN: 163687
2x2 SN: PR112840
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 8,100

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MAQQ24-A	1054	1059	6281	1053	12
-B	1101	1106	6598	1108	20
-C					2-3
-D					0
-E					0-1
-F					0-1

PIC time On: 1047
PIC time Off: 1108

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: MAQQ24
Date: 4/11/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # 5 (Q1D22782)
Ludlum #: 163687 Ludlum #: —
Detector #: PR112842 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1012							
Ludlum readings walking from outside to inside	1038							
Readings (cpm): Outside: 9,000-9,500 Inside: 5,700-6,200								
Scan of entire house General: 6,200	1039							
Anomalous readings: average: 5,700-7,100								
Indoor Threshold (Average + 1,900 cpm) (cpm): 8100	8,100							
Start scan of room		1043	1046	1054	1057	1059	1101	
Set up PIC in room		1022	1100					
Photo of PIC in room (note in photo log)		1044	1101					
Turn PIC on		1047						
Start 5-min stabilization period		1047						
End 5-min stabilization period		1052						
1-min scaler reading with Ludlum next to PIC		1053	1108					
Reading:		6281	6598					
Start 5-min recording period		1054	1101					
End 5-min recording period		1059	1106					
Download data. Save file. Clear data.			1123					
Turn PIC off			1108					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: MAQQ24
Date: 4/11/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 163687
Detector #: PR112840

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 8,100

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
MAQQ24-A	1043	5,900-6,500	5,900-7,000	none
-B	1046	5,900-9,000	6,200-8,400	on floor in bathroom in NW corner, to right of toilet, on North wall
-C	1054	5,700-6,300	5,700-6,800	none
-D	1057	6,000-6,300	5,600-7,000	none
-E	1059	6,700-7,000	6,100-7,100	none
-F	1101	6,000-7,000	6,900-8,000	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MAØØ24
Date: 4/11/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 163687
Detector #: PR 112840

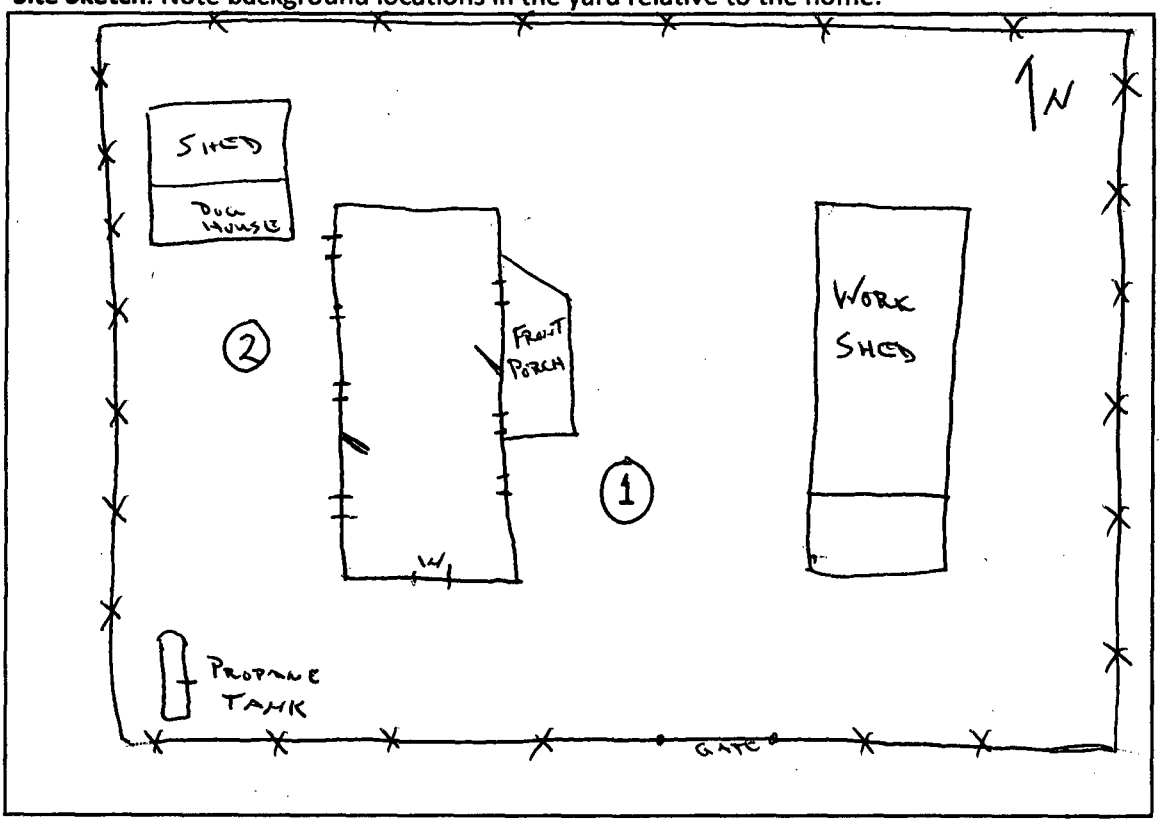
Background #1

1-min scaler time: 1019
1-min scaler reading: 9640
Location description: FRONT YARD BACKGROUND LOCATED SE OF FRONT PORCH IN DIRT AREA.
Photo time: 1023
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1030
1-min scaler reading: 8468
Location description: BACK YARD BACKGROUND LOCATED NW OF BACK DOOR IN DIRT AREA
Photo time: 1032
Photo description: BACKYARD BACKGROUND LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.

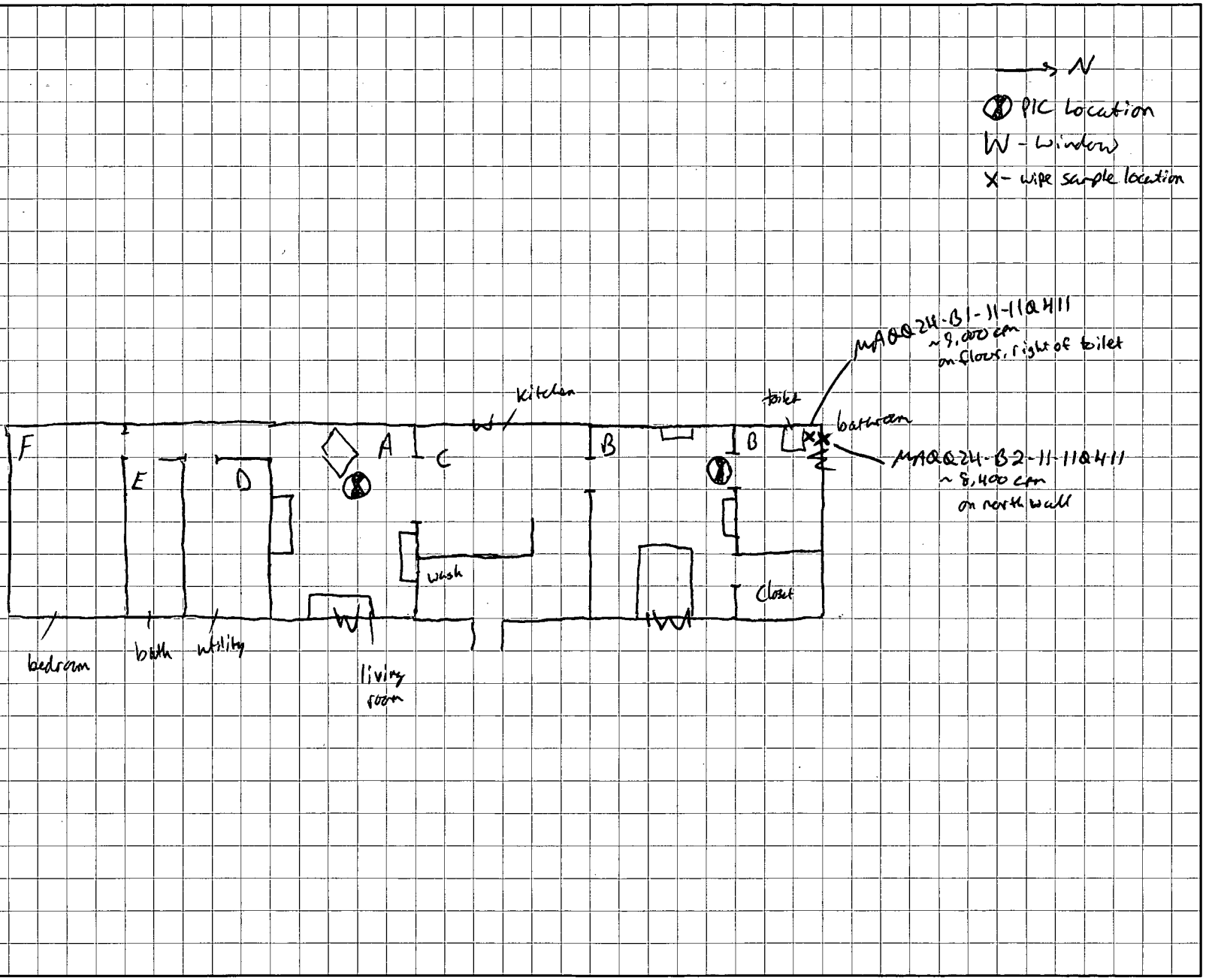


San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: MAQQ24

Date: 4/11/11

Start Team Members: T. Evans, J. Wright



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: MAQQ46

Date: 2/24/11

START member (who completed this form): T. Evans

Additional START members: O. Garrien

Outdoor background readings

1 11781 cpm @ 1005

2 11284 cpm

3

4

5

PIC SN: QID22702

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 10,100 + 1,900 = 12,000

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MAQQ46-A	1041	1046	9689	1040	3
-B	1048	1053	9211	1054	9
-C					1
-D					0
-E					8
-F					0-1
-G					2-3

PIC time On: 1034

PIC time Off: 1107

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: MA0046
Date: 2/24/11
START member who completed this form: T. Evans
Other START members: O. Gurren
PIC # 01022202
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1006							
Ludlum readings walking from outside to inside	1015							
Readings (cpm): outside: 10,200-12,500 inside: 9,500-11,800								
Scan of entire house general: 8,000-11,200	1016							
Anomalous readings: average: 10,100								
Indoor Threshold (Average + 1,900 cpm) (cpm):	12,000							
Start scan of room		1024	1033	1041	1045	1049	1055	1059
Set up PIC in room		1019	1047					
Photo of PIC in room (note in photo log)		1020	1048					
Turn PIC on		1034						
Start 5-min stabilization period		1034						
End 5-min stabilization period		1039						
1-min scaler reading with Ludlum next to PIC		1040	1054					
Reading:		9689	9211					
Start 5-min recording period		1041	1048					
End 5-min recording period		1046	1053					
Download data. Save file. Clear data.			1110					
Turn PIC off			1107					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: MAQQ46
Date: 2/24/11
START member who completed this form: T. Evans
Additional START members: O. Garren
Ludlum #: 149959
Detector #: PR033988

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 12,000

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
MAQQ46-A	1024	7,300-11,700 10500	7,000-11,100	none
-B	1033	8,900-11,400	6,900-11,600	none
-C	1041	8,500-10,500	7,000-10,200	none
-D	1045	8,800-11,700	7,500-10,200	none
-E	1049	9,000-11,600	7,400-10,200	none
-F	1055	8,700-11,400	7,100-11,600	none
-G	1059	7,800-10,800	6,700-11,200	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MA0046
Date: 2/24/11
START member who completed this form: O. GARREN
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PR033908

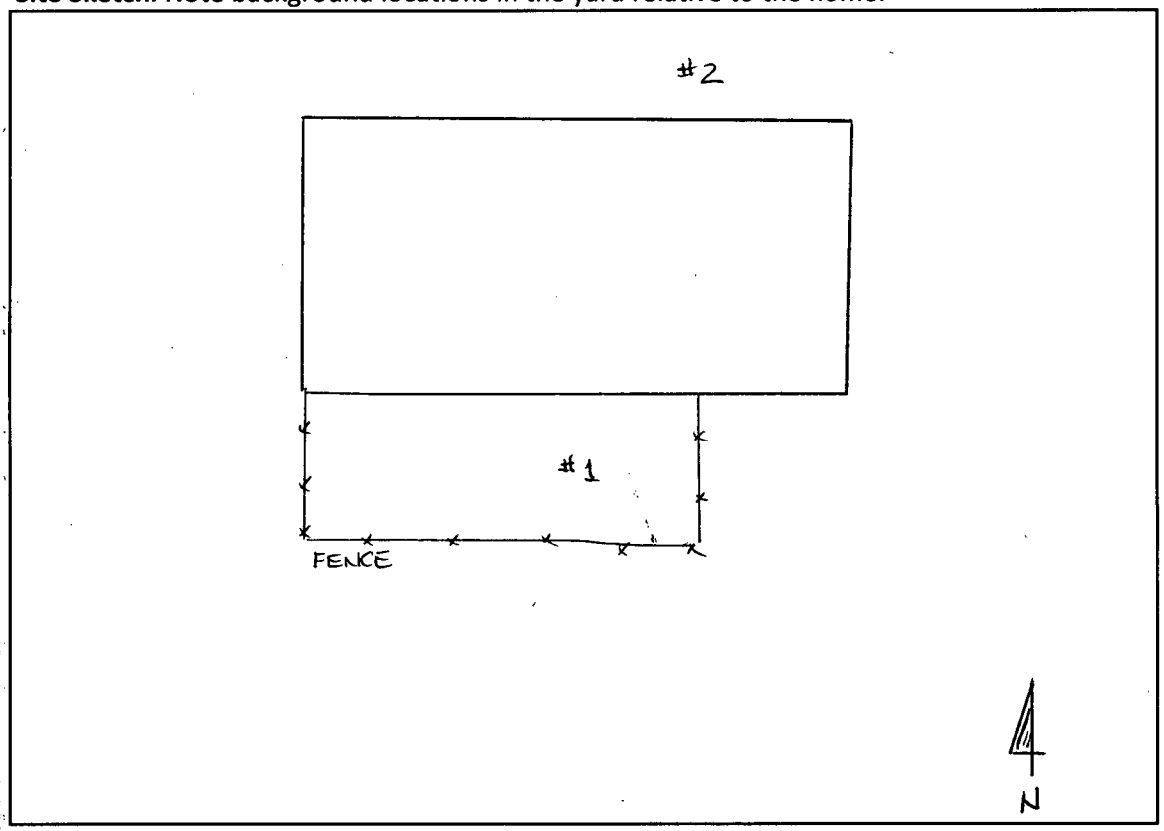
Background #1

1-min scaler time: 1005
1-min scaler reading: 11781
Location description: FRONT YARD
Photo time: ~~1018~~ 1010
Photo description: FACING NORTH LAT: 35.234733 LONG: -107.87334

Background #2

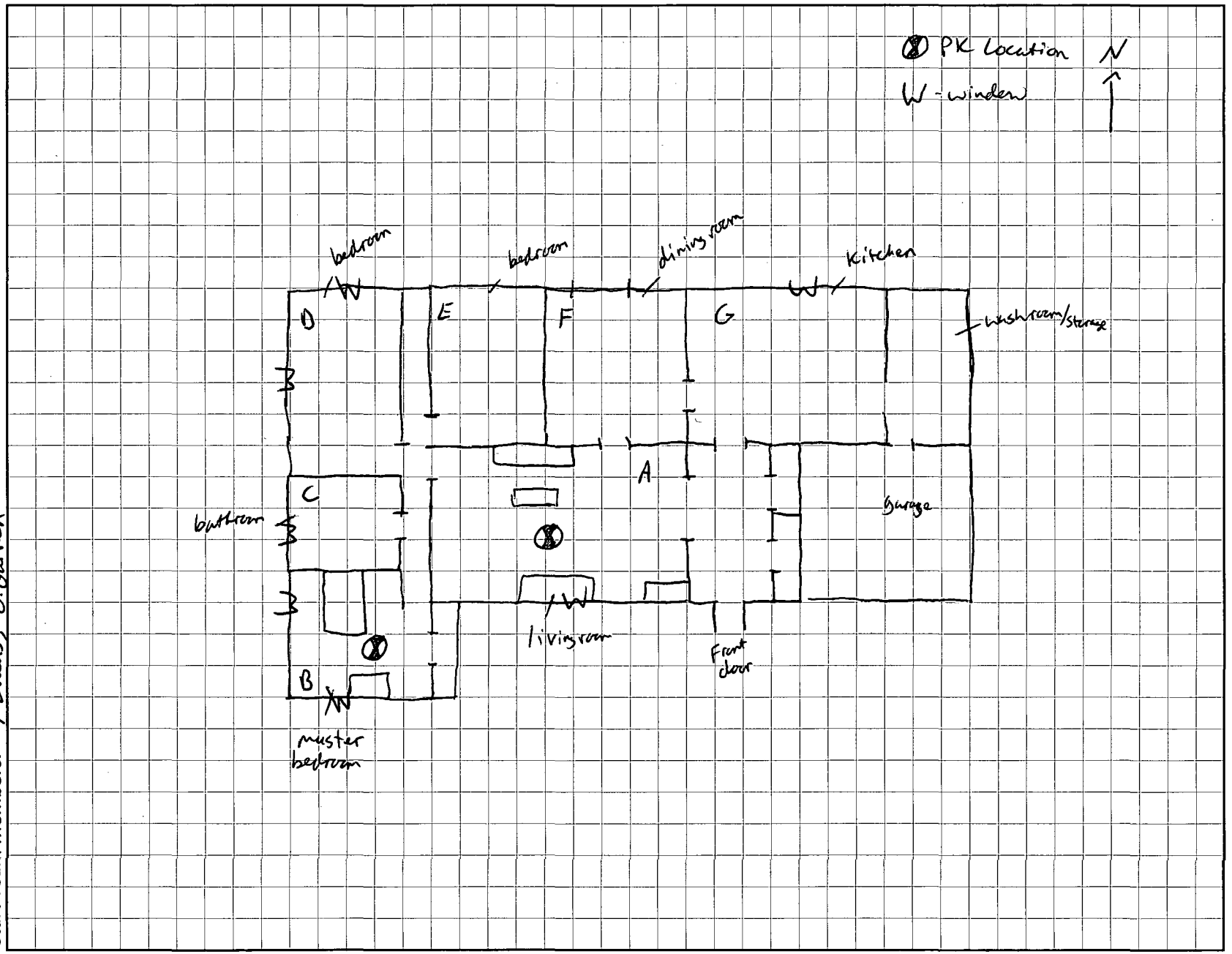
1-min scaler time: 1011
1-min scaler reading: 11284
Location description: BACK YARD; EAST OF DECK
Photo time: 1015
Photo description: FACING SW; LAT. 35. LONG: -107.

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon
Phase 2 House Sketch
Property ID: MA0046

Date: 2/24/11
Start Team Members: T. Evans, O. Garten



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: MAQQ48
Date: 3/18/11
START member (who completed this form): T. Evans
Additional START members: P. Vasquez

Outdoor background readings
1 10229 cpm
2 9843 cpm
3
4
5

PIC SN: 5(Q1D22702)
Ludlum SN: 149959
2x2 SN: PRQ33908
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 10,600 + 1,900 = 12,500

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MAQQ48-A	1051	1056	8949	1050	12
-B	1057	1102	8904	1104	8
-C					0-1
-D					3-4
-E					3
-F					0
-G					2-3

PIC time On: 1043
PIC time Off: 1116

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: MA0048
Date: 3/18/11
START member who completed this form: T. Evans
Other START members: P. Vasquez
PIC # 5 (01022702)
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1005							
Ludlum readings walking from outside to inside	1020							
Readings (cpm): outside: 9,900-11,600 inside: 9,300-11,100								
Scan of entire house; range: 8,600-11,600	1021							
Average reading: 10,600								
Indoor Threshold (Average + 1,900 cpm) (cpm):	12,500							
Start scan of room		1029	1042	1051	1055	1105	1110	1112
Set up PIC in room		1027	1056	|	|	|	|	|
Photo of PIC in room (note in photo log)		1028	1058	|	|	|	|	|
Turn PIC on		1043						
Start 5-min stabilization period		1043						
End 5-min stabilization period		1048						
1-min scaler reading with Ludlum next to PIC		1050	1104	|	|	|	|	|
Reading:		8949	8904	|	|	|	|	|
Start 5-min recording period		1051	1057	|	|	|	|	|
End 5-min recording period		1056	~~48~~ 1102	|	|	|	|	|
Download data. Save file. Clear data.			1118	|	|	|	|	|
Turn PIC off			1116	|	|	|	|	|

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: MAQQ48
Date: 3/18/11
START member who completed this form: J. Evans
Additional START members: P. Vasquez
Ludlum #: 149959
Detector #: PRQ33988

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 12,500

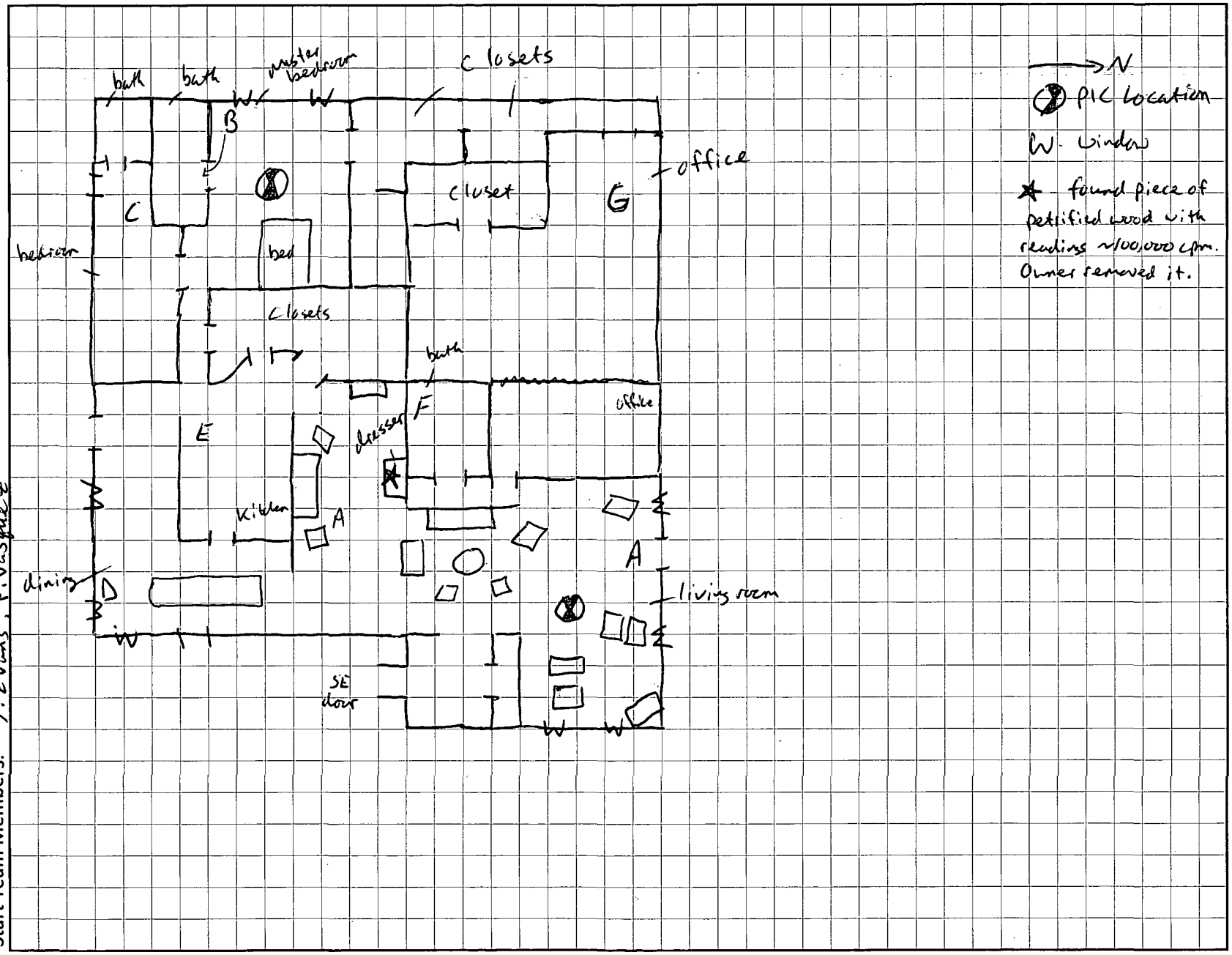
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
MAQQ48-A	1029	8,600-11,700	7,300-10,100	none
-B	1042	9,600-12,000	7,900-9,300	none
-C	1051	8,500-11,700	7,700-10,300	none
-D	1055	9,100-12,300	7,300-10,200	none
-E	1105	9,000-10,700	7,700-10,100	none
-F	1110	8,500-10,600	7,000-9,200	none
-G	1112	7,800-11,100	6,900-8900	none

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: MA0218

Date: 3/18/11

Start Team Members: T. Evans, P. Vasquez



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MA0048
Date: 3/18/11
START member who completed this form: P VASQUEZ
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PR 033908

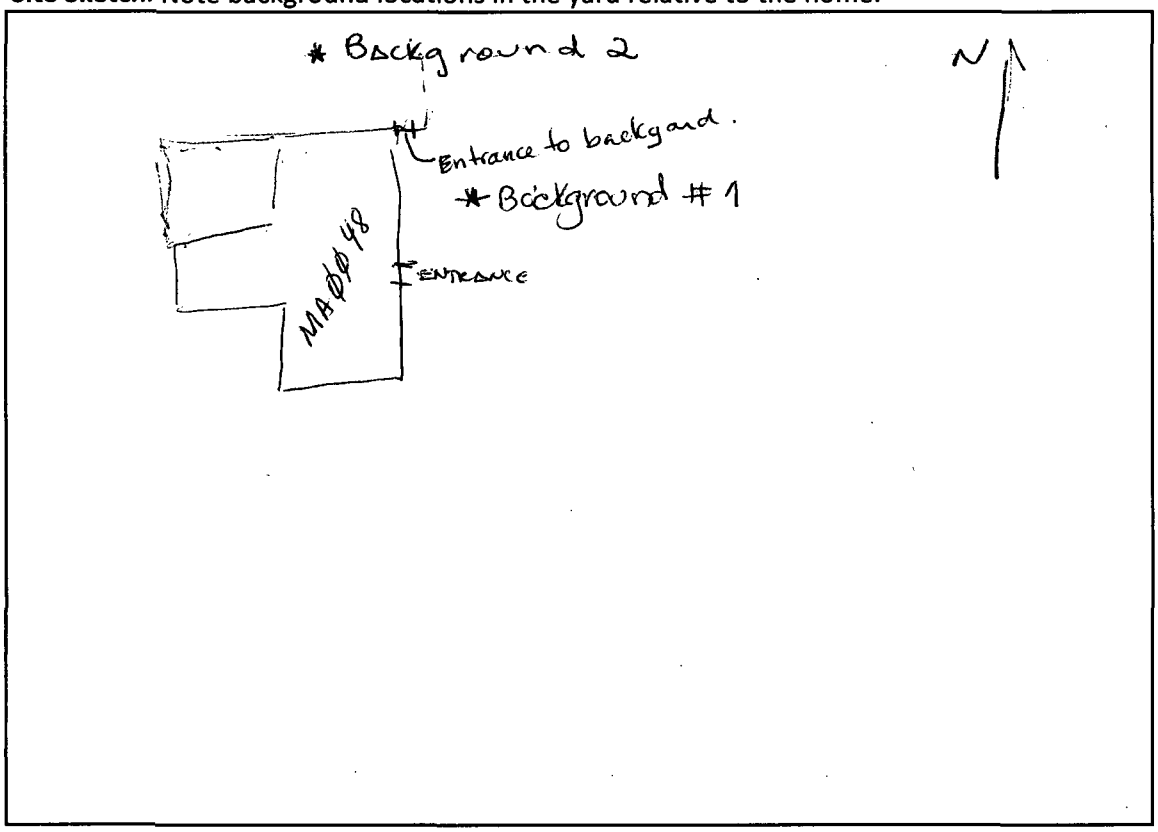
Background #1

1-min scaler time: 10:01
1-min scaler reading: 10229
Location description: E side of house. By Tree. Bckg #1.
Photo time: 9:54
Photo description: overview of background reading 1

Background #2

1-min scaler time: 10:08
1-min scaler reading: 9843
Location description: N Side of house. on backyard. Bckg #2
Photo time: 10:04
Photo description: overview of background reading 2

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: MAØØ49

Date: 3/2/11

START member (who completed this form): P. VASQUEZ

Additional START members: O. Galven

Outdoor background readings

1 9406

2 9786

3

4

5

PIC SN: #5

Ludlum SN: 149959 PRØ33908

2x2 SN:

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 10200

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MASTER Bedrm Room A	10:40	10:45	7201	10:46	3
Room B	10:52	10:57	7281	11:02	10
Room C	—	—	—	—	2
Room D	—	—	—	—	1
Room E	—	—	—	—	0.5
Room G	—	—	—	—	0.5
Room F	—	—	—	—	14
Room H	11:56	12:01	10593	12:06	0.5

① PIC time On: 10:39

① PIC time Off: 1138

② Pic Turn on 11:51

② Pic off 1222

palced at adjacent lot to west of 13 Tumbleweed on front fence post. 3rd post from west side of lot	?	?		2nd outdoor detector; Not replaced.
on standalone fence in yard near driveway	Y	N		
in family room corner by closet on ceiling	Y	N		
on standalone fence in yard near driveway	Y	N		
On fence at west side of driveway	Y	N		
On fence at west side of driveway	Y	N		
Dining/family room near window across from kitchen	?	?		
Main hallway by front entrance on awning	?	?		
On metal pole by shed in front yard	Y	N		
On metal pole by shed in front yard	Y	N		
Main hallway bend after first bedroom on wall just before bathroom	N	Y		
On TV stand between wood stove and kitchen doorway	Y	N		
On TV stand between wood stove and kitchen doorway	Y	N		Indoor detector; QC for 4783410
On fence post at main driveway entrance	Y	N		
On fence post at main driveway entrance	Y	N		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: MAØØ49
Date: 3/21/11
START member who completed this form: P Vasquez
Additional START members: Q. Galleu
Ludlum #: 149959
Detector #: PRØ33908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm):

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
Room A	10:30	6000-9800	5400-8600	NA / $\bar{X}$ = F = 7500 W = 7800
Room B	10:42	6000-9700	5600-8500	NA / $\bar{X}$ = F = 8200 W = 6800
Room C	10:50	6300-900	5400-8800	NA / $\bar{X}$ = F = 7800 W = 6700
Room D	11:00	6400-9300	5800-9400	NA / $\bar{X}$ = F = 8300 W = 7100
Room E	11:10	7200-9200	6700-8200	NA / $\bar{X}$ = F = 8100 W = 7300
Room F	11:15	5700-6800	5200-6000	NA / $\bar{X}$ = F = 6000 W = 5300
Room G	11:17	4900-6800	5100-7100	NA / $\bar{X}$ = F = 5400 W = 5800
Room H	11:40	1100-17800	11800-16000	Basement stairway. Basemnt se corner $\bar{X}$ = F = 12100, W = 12300 *

Note
F = Floors
W = walls
$\bar{X}$ = Average
* : Exceeded threshold limits. wipe sample taken.

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Indoor Activities

Property ID: MA0049
Date: 3/21/11
START member who completed this form: P. Vasquez
Other START members: O. Galleon
PIC # 5
Ludlum #: 149959 Ludlum #: NA
Detector #: PR033908 Detector #: NA

Indoor Activity	TIMES	Room A	Room B	Room ~~C~~ H	~~Room D~~	Room E	Room F	Room G
Draw site sketch	10:00							
Ludlum readings walking from outside to inside	10:15							
Readings (cpm): out ~~7300~~ = 6400 - 8300 (7300-7) in 6900 - 8800 (7800-7)	10:20							
Scan of entire house; range: 5500 - 9800	10:25							
Average reading: 8300	—							
Indoor Threshold (Average + 1,900 cm) (cpm): 10200	10200							
Start scan of room		6000-9800 5400-8600						
Set up PIC in room		10:30						
Photo of PIC in room (note in photo log)		10:35						
Turn PIC on	1039	10:40		1151				
Start 5-min stabilization period		10:40	10:52	~~1156~~	11:51			
End 5-min stabilization period		10:45	10:57	~~12:01~~	11:56			
1-min scaler reading with Ludlum next to PIC		10:46	1102	1206				
Reading:		7201	7281	10593				
Start 5-min recording period		10:40	1052	1156				
End 5-min recording period		10:45	1057	12:01				
Download data. Save file. Clear data.	1132	—	→	1219				
(1) Turn PIC off	1138	—	—	—				

(2) Turn PIC off 1222

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MA0049
Date: 3/21/11
START member who completed this form: O. GARREN
Other START members: P. VASQUEZ

Ludlum #: 149959
Detector #: PR033908

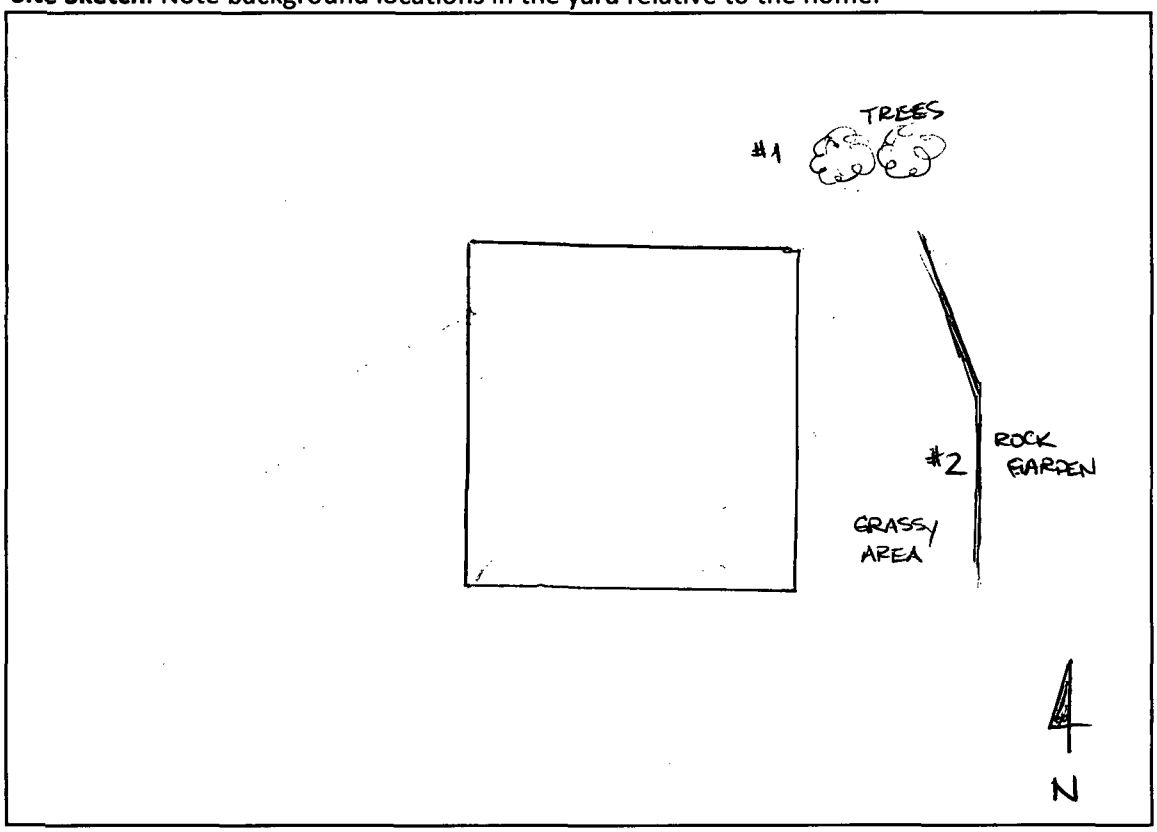
Background #1

1-min scaler time: 0957
1-min scaler reading: 9406
Location description: NE CORNER OF HOUSE
Photo time: 0954
Photo description: FACING SOUTH; LAT: 35.234505 LONG: -107.87642

Background #2

1-min scaler time: 1000
1-min scaler reading: 9786
Location description: EAST SIDE OF HOUSE
Photo time: 1000
Photo description: FACING WEST; LAT: 35.234540 LONG: -107.87616

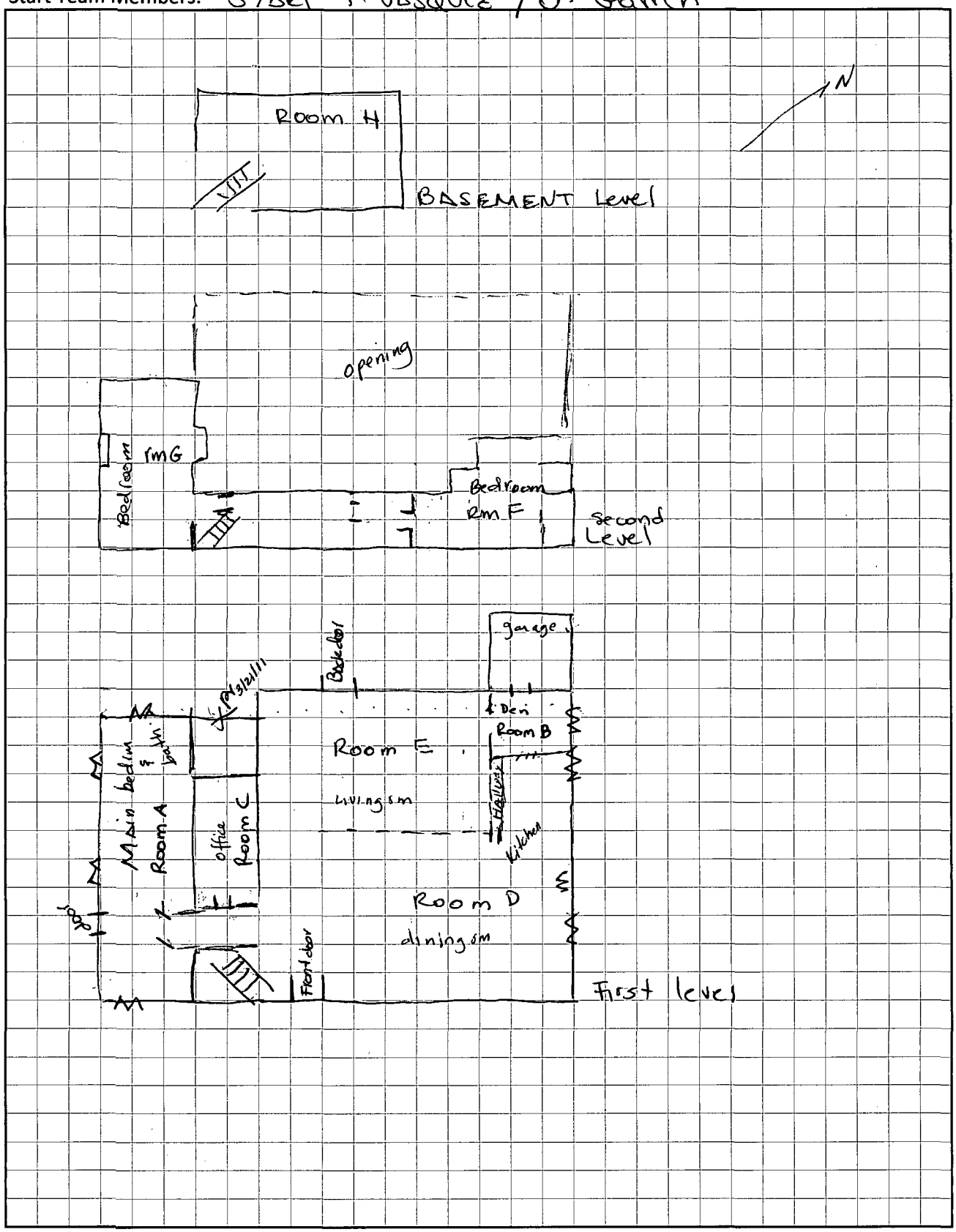
Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 3/21/11 Property ID: MA0049

Start Team Members: START P. VASQUEZ / O. Garren



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: MAQQ9Q

Date: 2/25/11

START member (who completed this form): T. Evans

Additional START members: O. Guzman

Outdoor background readings

1 13614 @ 1015

2 12885

3

4

5

PIC SN: Q1D22702

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11,500+1,900 = 13,400 cpm

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MAQQ9Q-A	1051	1056	10581	1050	16-18
-B	1057	1102	10377	1105	9-10
-C	1108	1113	11543	1115	6-8
-D	1117	1122	10997	1123	2-3
-E					4
-F					6
-G					1-2

PIC time On: 1043

PIC time Off: 1123

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: MA0090
Date: 2/25/11
START member who completed this form: T. Evans
Other START members: O. Curren
PIC # 5 (QID 22702)
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1017							
Ludlum readings walking from outside to inside	1022							
Readings (cpm): outside: 11,300-12,900 inside: 9,700-12,800								
Scan of entire house	1026							
Anomalous readings: general: 9,800-13,500 average: 11,500								
Indoor Threshold (Average + 1,900 cpm) (cpm):	13,400							
Start scan of room		1032	1042	1051	1059	1106	1110	1116
Set up PIC in room		1029	1056	1107	1116	↓	↓	↓
Photo of PIC in room (note in photo log)		1031	1058	1109	1117	↓	↓	↓
Turn PIC on		1043						
Start 5-min stabilization period		1043						
End 5-min stabilization period		1048						
1-min scaler reading with Ludlum next to PIC		1052	1105	1115	↓	↓	↓	↓
Reading:		10581	10377	11543	↓	↓	↓	↓
Start 5-min recording period		1051	1057	1108	1117	↓	↓	↓
End 5-min recording period		1056	1102	1113	1122	↓	↓	↓
Download data. Save file. Clear data.			↓	↓	1127	↓	↓	↓
Turn PIC off			↓	↓	1123	↓	↓	↓

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: MAQQ9Q
Date: 2/25/11
START member who completed this form: J. Evans
Additional START members: O. Garren
Ludlum #: 149959
Detector #: PRQ339Q8

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 13,400

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
MAQQ9Q-A	1032	9,800-12,800	9,100-13,100	none
-B	1042	10,800-14,400	9,000-14,500	floor, at SE corner, wall-SE corner on South wall
-C	1051	10,000-14,900	10,300-14,700	floor next to end table, on South + west walls (SW corner)
-D	1059	9,900-15,400	8,300-13,000	floor, left of toilet
-E	1106	9,300-12,400	8,200-12,800	none
-F	1110	10,000-12,500	8,700-12,900	none
-G	1116	10,000-12,100	8,000-12,100	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MAQQ9Q
Date: 2/25/11
START member who completed this form: O. GARREN
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PRQ33908

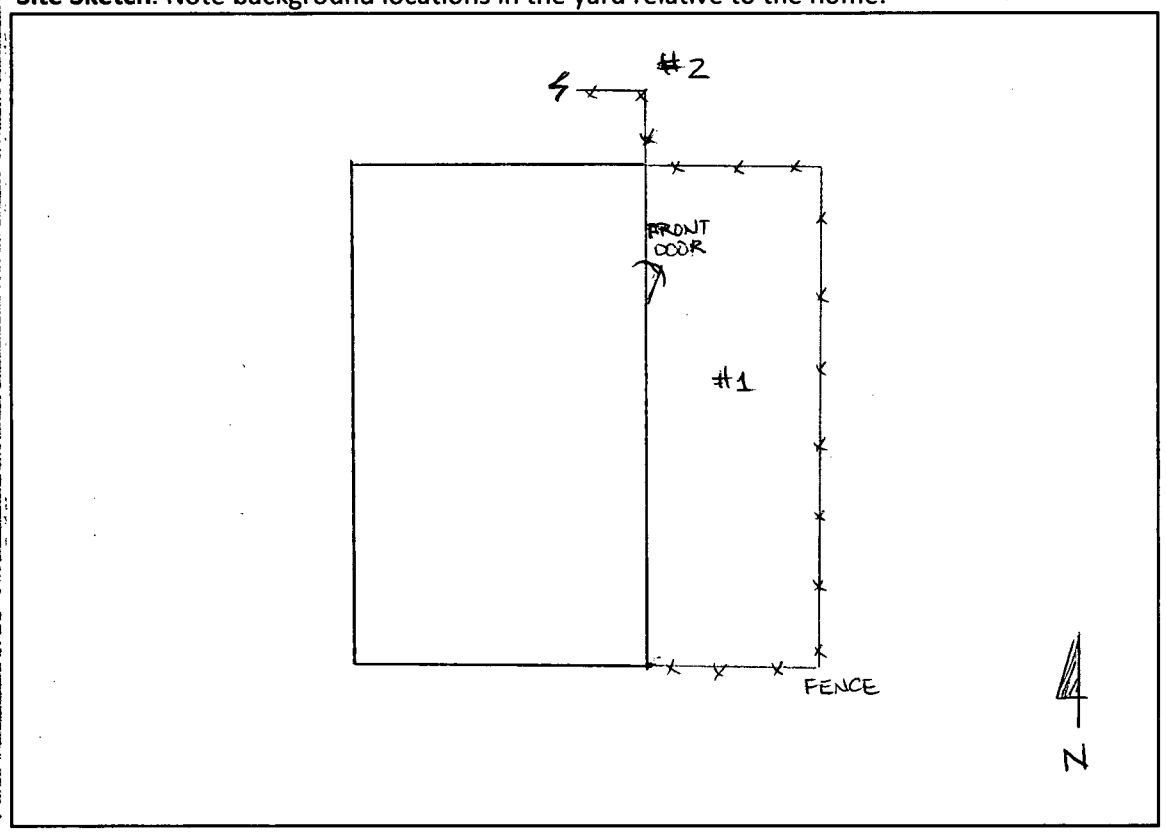
Background #1

1-min scaler time: 1015
1-min scaler reading: 13614
Location description: FRONT YARD; NEAR SWING SET
Photo time: 1015
Photo description: FACING WEST; LAT: 35.231~~213~~171 LONG: -107.872~~72~~33

Background #2

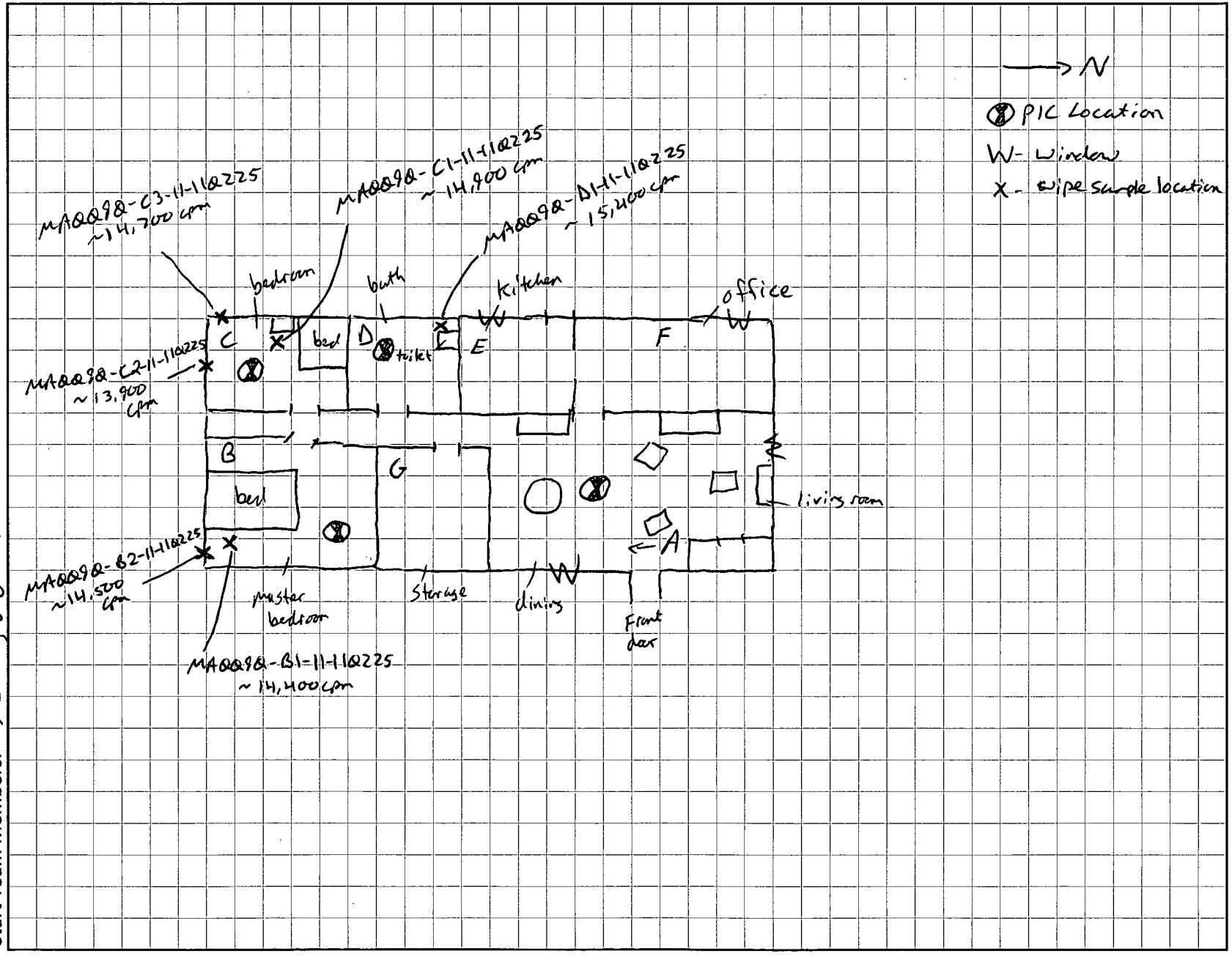
1-min scaler time: 1016
1-min scaler reading: 12885
Location description: NORTH OF HOUSE AT FENCE CORNER
Photo time: 1025
Photo description: FACING SW; LAT: 35.231~~213~~384 LONG: -107.872~~39~~43

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon
Phase 2 House Sketch
Property ID: MAQQ9Q

Date: 2/25/11
Start Team Members: T. Evans, O. Garren



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: MA0094
Date: 4/11/11
START member (who completed this form): T. Evans
Additional START members: J. Wright.

Outdoor background readings
1 9765
2 8931
3
4
5

PIC SN: 5 (QID22782)
Ludlum SN: 163687
2x2 SN: PR112840
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 10,400 cpm

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
A	1444	1449	8927	1442	5 HR/DAY
B	1453	1458	8187	1458	6 HR/DAY

PIC time On: 1435
PIC time Off: 1500

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: MA0094
Date: 4/11/11
START member who completed this form: J. WRIGHT
Additional START members: T. EVANS
Ludlum #: 163687
Detector #: PR112848

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 10,400

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
A	1425	8800-10,100	7000-9500	
B	1435	8300-10,000	7,300-8900	
C	1439	8100-9200	7500-9000	
D	1446	8400-10,000	6500-8600	
E	1451	8500-9800	7400-8900	
F	1453	8100-9300	7300-8500	
G	1455	8500-9100	6700-7800	

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MA0094
Date: 4/11/11
START member who completed this form: T. Evans
Other START members: J. Wright

Ludlum #: 163687
Detector #: PR112840

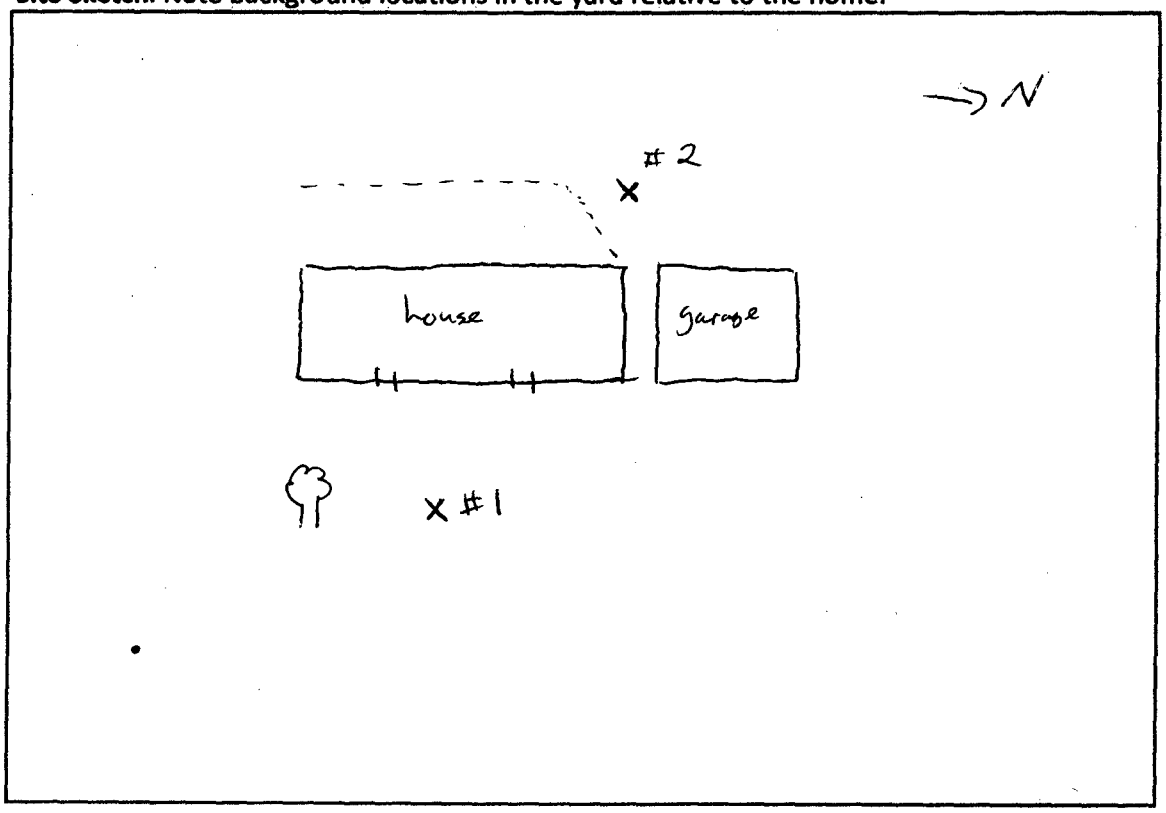
Background #1

1-min scaler time: 1409
1-min scaler reading: 9765
Location description: in front yard
Photo time: 1410
Photo description: looking west towards front of house.

Background #2

1-min scaler time: 1415
1-min scaler reading: 8931
Location description: in NW corner of backyard
Photo time: 1416
Photo description: looking East at the NW corner of the house

Site Sketch: Note background locations in the yard relative to the home.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Indoor Activities

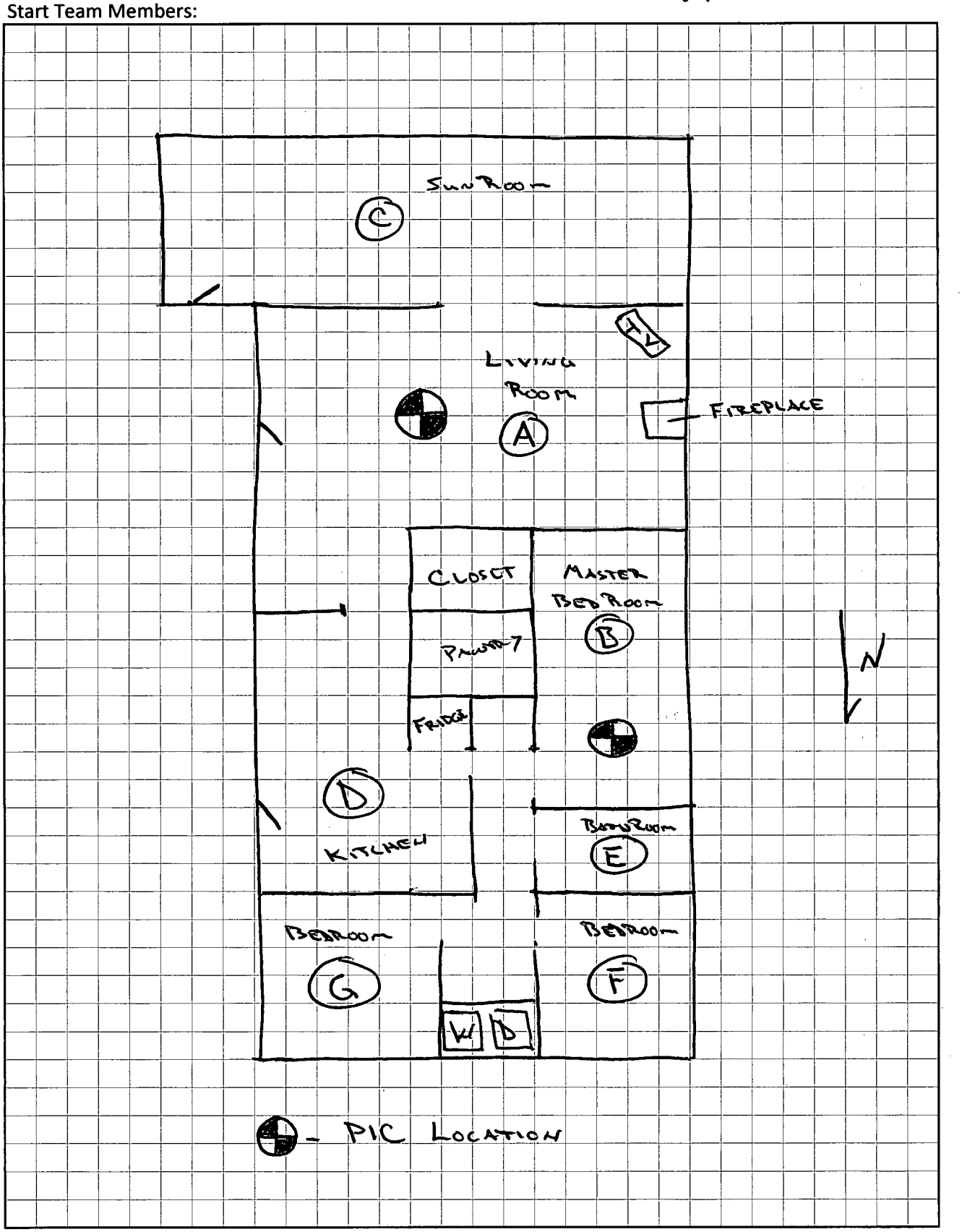
Property ID: MAØØ94
Date: 4/11/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS
PIC # 5 (ØID227Ø2)
Ludlum #: 163687 Ludlum #:
Detector #: PR112840 Detector #:

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1415							
Ludlum readings walking from outside to inside	1420							
Readings (cpm): OUTSIDE TO INSIDE 8700 - 9600 INSIDE 8800 - 9800								
Scan of entire house AVG: 8500	1422							
Anomalous readings: RANGE: 7500 - 10,000								
Indoor Threshold (Average + 1,900 cpm) (cpm): 10,400	1424							
Start scan of room		1425	1435	1439	1446	1451	1453	1455
Set up PIC in room		1430	1452	|	|	|	|	|
Photo of PIC in room (note in photo log)		1444	1500					
Turn PIC on		1435						
Start 5-min stabilization period		1436						
End 5-min stabilization period		1441						
1-min scaler reading with Ludlum next to PIC TIME:		1442	1458	|	|	|	|	|
Reading:		8927	8187	|	|	|	|	|
Start 5-min recording period		1444	1453	|	|	|	|	|
End 5-min recording period		1449	1458	|	|	|	|	|
Download data. Save file. Clear data.			1505	|	|	|	|	|
Turn PIC off			1500	|	|	|	|	|

San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 4/11/11 Property ID: MAØØ94

Start Team Members:



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: MAQQ97
Date: 4/12/11
START member (who completed this form): T. Evans
Additional START members: J. Wright

Outdoor background readings
1 9279 cpm
2 10470 cpm
3
4
5
TE

PIC SN: 5(QIB22702)
Ludlum SN: 163687
2x2 SN: PR112840
Model 19 SN:
Model 03 SN:
Model 12 SN:
TE

Indoor Threshold (Average reading + 1900 cpm): 8,600 + 1,900 = 10,500

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MAQQ97-A	1415	1420	8029	1414	2
-B	1422	1423	7654	1428	7-8
-C					1
-D					1
-E					0-1

PIC time On: 1408
PIC time Off: 1428

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: MA&Q97
Date: 4/12/11
START member who completed this form: J. Evans
Other START members: J. Wright
PIC # 5(Q1D22702)
Ludlum #: 163687 Ludlum #: —
Detector #: PR11284Q Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1340							
Ludlum readings walking from outside to inside	1400							
Readings (cpm): outside: 9,100-10,300 inside: 8,000-8,500								
Scan of entire house general: 7,700-9,500	1401							
Anomalous readings: average: 8,600								
Indoor Threshold (Average + 1,900 cpm) (cpm):	10,500							
Start scan of room		1404	1407	1410	1414	1416		
Set up PIC in room		1352	1421					
Photo of PIC in room (note in photo log)		1402	1423					
Turn PIC on		1408						
Start 5-min stabilization period		1408						
End 5-min stabilization period		1413						
1-min scaler reading with Ludlum next to PIC		1414	1428					
Reading:		8029	7654					
Start 5-min recording period		1415	1422					
End 5-min recording period		1420	1427					
Download data. Save file. Clear data.			1432					
Turn PIC off			1428					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: MAQQ97
Date: 4/12/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 163687
Detector #: PR11284Q

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 10,500

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
MAQQ97-A	1404	7,900-9,200	7,200-8,500	none
-B	1407	7,800-9,200	7,500-8,300	none
-C	1410	7,500-8,600	6,700-8,300	none
-D	1414	7,900-8,800	7,000-8,000	none
-E	1416	7,600-8,500	7,300-9,000	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MAØØ97
Date: 4/12/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS.

Ludlum #: 163687
Detector #: PR 112840

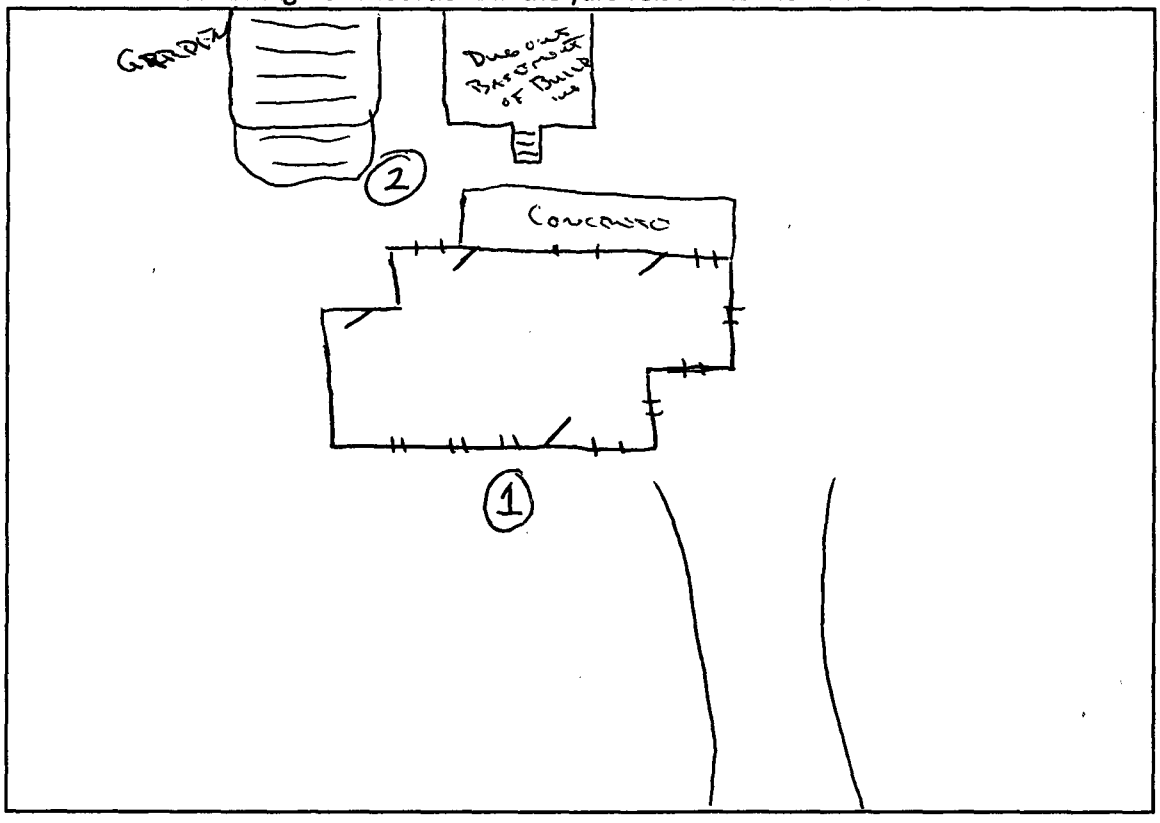
Background #1

1-min scaler time: 1340
1-min scaler reading: 9279
Location description: FRONT YARD BACKGROUND LOCATED NE OF FRONT DOOR IN DIRT AREA.
Photo time: 1346
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1352
1-min scaler reading: 10470
Location description: BACK YARD BACKGROUND LOCATED NEAR NW CORNER OF GARDEN IN DIRT
Photo time: 1356
Photo description: BACK YARD BACKGROUND LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.

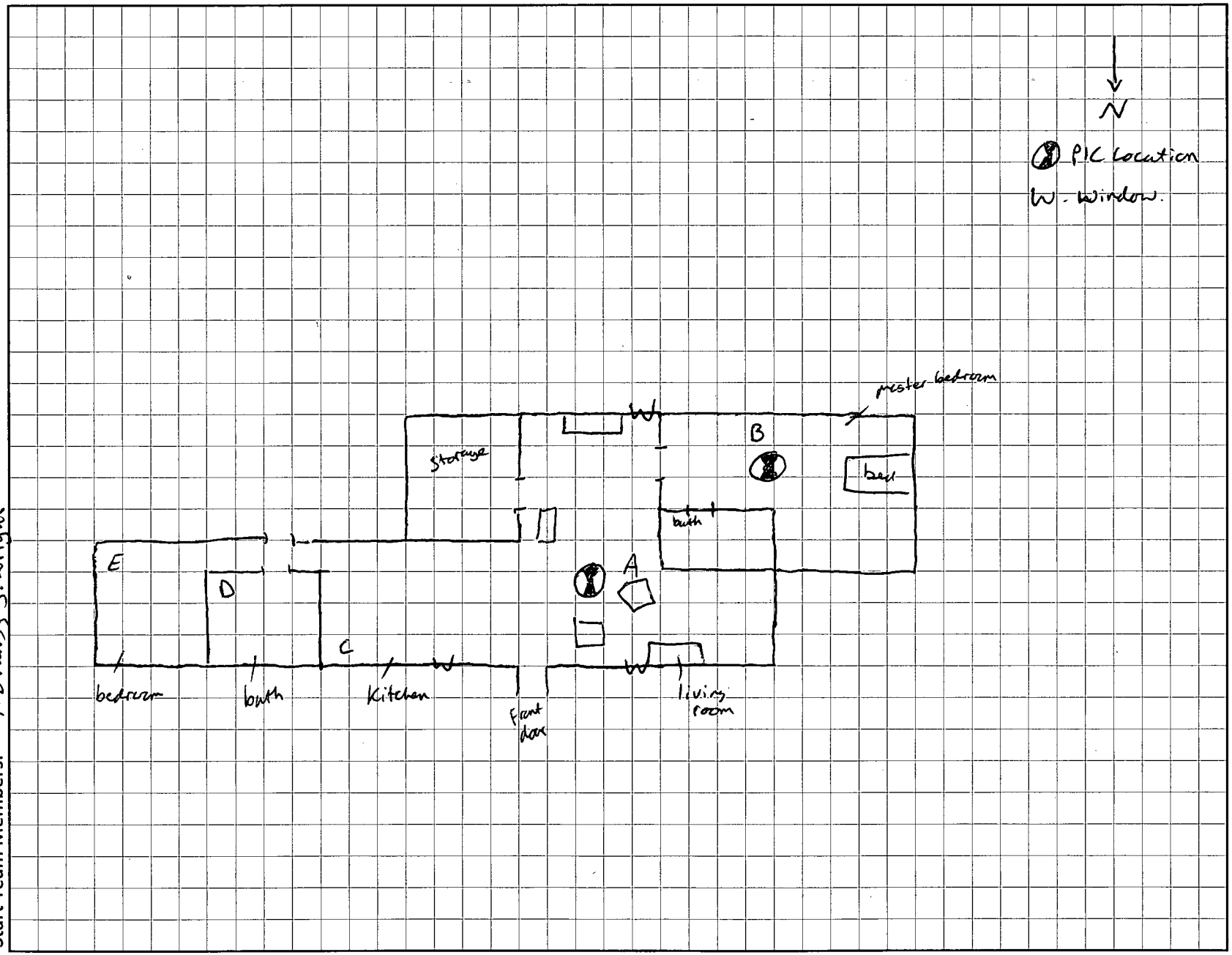


San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: MA0097

Date: 4/12/11

Start Team Members: T. Evans, J. Wright



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: MAQ099

Date: 2/25/11

START member (who completed this form): T. Evans

Additional START members: O. Gurien

Outdoor background readings

1 10108 @ 1410

2 10593

3

4

5

PIC SN: Q1022702

Ludlum SN: 149959

2x2 SN: PRQ339Q8

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,600 + 1,900 = 11,500

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
MAQ099-A	1436	1441	8771	1435	
-B	1442	1447	8546	1449	
-C					
-D					
-E					
-F					

PIC time On: 1428

PIC time Off: 1452

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: MA2099
Date: 2/25/11
START member who completed this form: T. Evans
Other START members: O. Gustien
PIC # 01D22702
Ludlum #: 149959 Ludlum #: —
Detector #: PR033928 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1412							
Ludlum readings walking from outside to inside	1418							
Readings (cpm): outside: 7,800-10,300 inside: 8,600-10,700								
Scan of entire house general: 8,200-10,600	1419							
Anomalous readings: average: 9,600	~~11,500~~							
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,500							
Start scan of room		1422	1427	1435	1439	1444	1449	
Set up PIC in room		1426	1441					
Photo of PIC in room (note in photo log)		1429	1442					
Turn PIC on		1428						
Start 5-min stabilization period		1428						
End 5-min stabilization period		1433						
1-min scaler reading with Ludlum next to PIC		1435	1449					
Reading:		8771	8546					
Start 5-min recording period		1436	1442					
End 5-min recording period		1441	1447					
Download data. Save file. Clear data.			~~1445~~ 1456					
Turn PIC off			1452					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: MAQQ99
Date: 2/25/11
START member who completed this form: T. Evans
Additional START members: O. Gurrea
Ludlum #: 149959
Detector #: PR033988

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 11,500

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
MAQQ99-A	1422	8,500-10,700	6,500-9,300	none
-B	1427	8,100-10,900	6,400-10,300	none
-C	1435	8,700-11,000	6,500-9,500	none
-D	1439	8,000-11,100	6,500-10,100	none
-E	1444	8,100-11,100	7,800-9,500	none
-F	1449	8,900-11,000	6,800-9,800	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: MA0099
Date: 2/25/11
START member who completed this form: O. GARREN
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PR033908

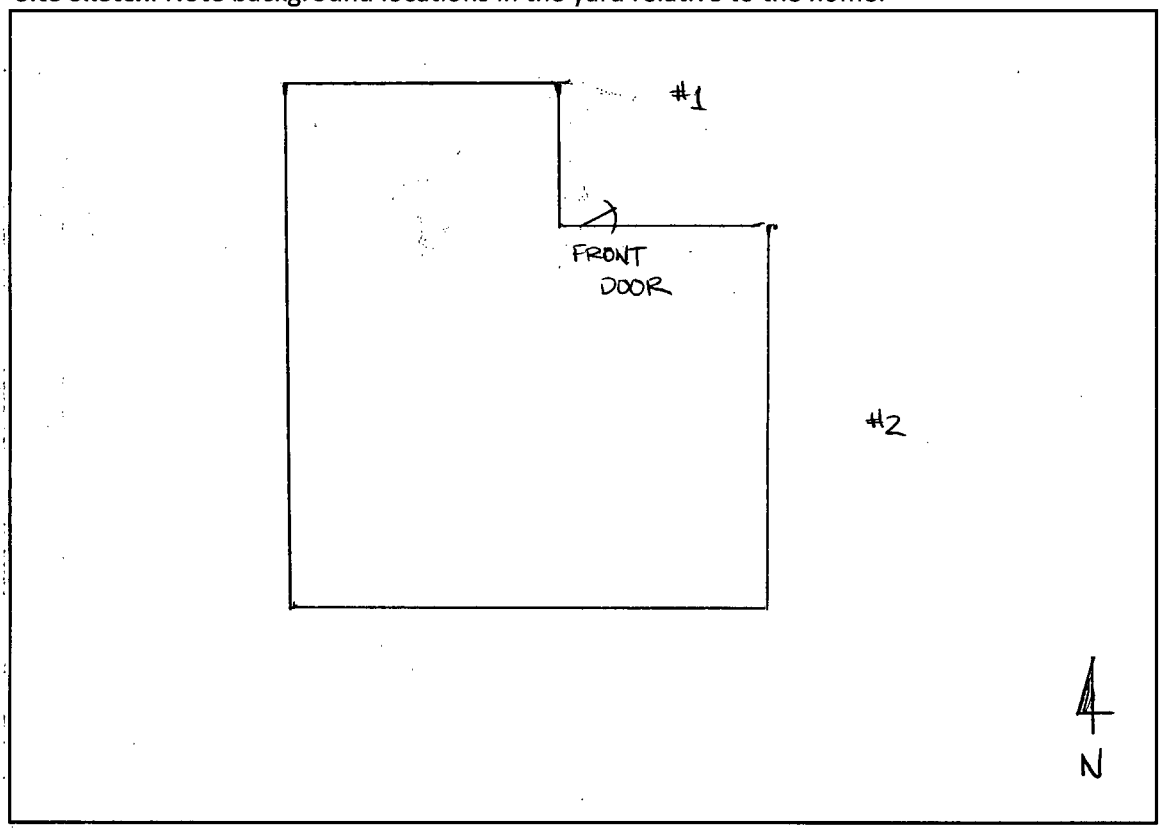
Background #1

1-min scaler time: ~~1010~~ 1410
1-min scaler reading: 10108
Location description: FRONT OF HOUSE; NEXT TO SIDEWALK
Photo time: 1408
Photo description: FACING SOUTH; LAT: 35.233040 LONG: -107.87633

Background #2

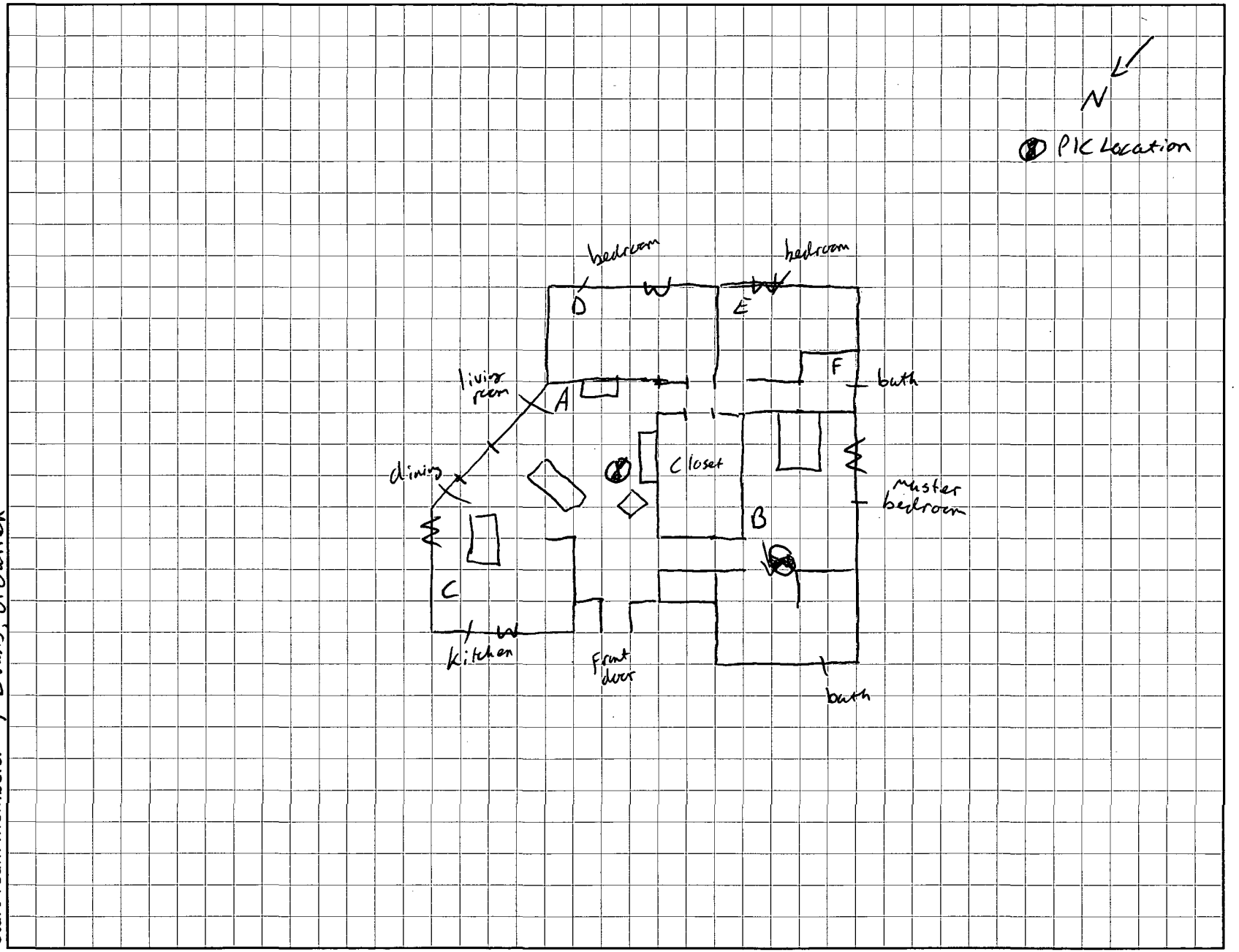
1-min scaler time: 1412
1-min scaler reading: 10593
Location description: EAST OF HOUSE; NEXT TO DRIVEWAY
Photo time: 1413
Photo description: FACING ~~EA~~ WEST; LAT: 35.232824 LONG: -107.87651

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon
Phase 2 House Sketch
Property ID: MA002 99

Date: 2/25/11
Start Team Members: T. Evans, O. Garren



San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: OTQQ35

Date: 2/9/11

START member (who completed this form): J. Evans

Additional START members: J. Wright

Outdoor background readings

1 10990 @ 1416

2 9851

3

4

5

PIC SN: Q1022702

Ludlum SN: 149959

2x2 SN: PRQ339Q8

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 12,900

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
OTQQ35-A	1502	1507	11,736	1510	4-6
-B	1513	1518	7392	1520	8-9
-C					1-2
-D					0-1
-E					0-1
-F					3-4
-G	1523	1528	10,497	1530	1
-H	1533	1538	11364	1539	10 → currently occupied
-I	1541	1546	10506	1548	3
-J	1653	1658	11732	1700	8-9
-K	1704	1709	11670	1718	0

PIC time On: 1457

1653

PIC time Off: 1549

1719

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: OT0035
Date: 2/9/11
START member who completed this form: T. Evans
Other START members: J. Wright
PIC # RID22702
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G	H	I
Draw site sketch	1426									
Ludlum readings walking from outside to inside	1432									
Readings (cpm): Outside: 12,400-15,200 Inside: 9,500-11,300										
Scan of entire house	1442									
Anomalous readings: General: 8,500-13,000 average: 11,000										
Indoor Threshold (Average + 1,900 cpm) (cpm):	12,900									
Start scan of room		1446	1456	1500	1502	1505	1511	1514	1521	1531
Set up PIC in room		1450	1512	|	|	|	|	1522	1532	1540
Photo of PIC in room (note in photo log)		1453	1514	|	|	|	|	1523	1534	1542
Turn PIC on		1457								
Start 5-min stabilization period		1457								
End 5-min stabilization period		1502								
1-min scaler reading with Ludlum next to PIC		1510	1520	|	|	|	|	1530	1539	1548
Reading:		11,736	7392	|	|	|	|	10,497	11364	10506
Start 5-min recording period		1502	1513	|	|	|	|	1523	1533	1541
End 5-min recording period		1507	1518	|	|	|	|	1528	1538	1546
Download data. Save file. Clear data.			|	|	|	|	|	|	|	1426
Turn PIC off			|	|	|	|	|	|	|	1549

Room J
Start 1653
End 1658
2x2 11,730 at 1700
Turn PIC on 1653

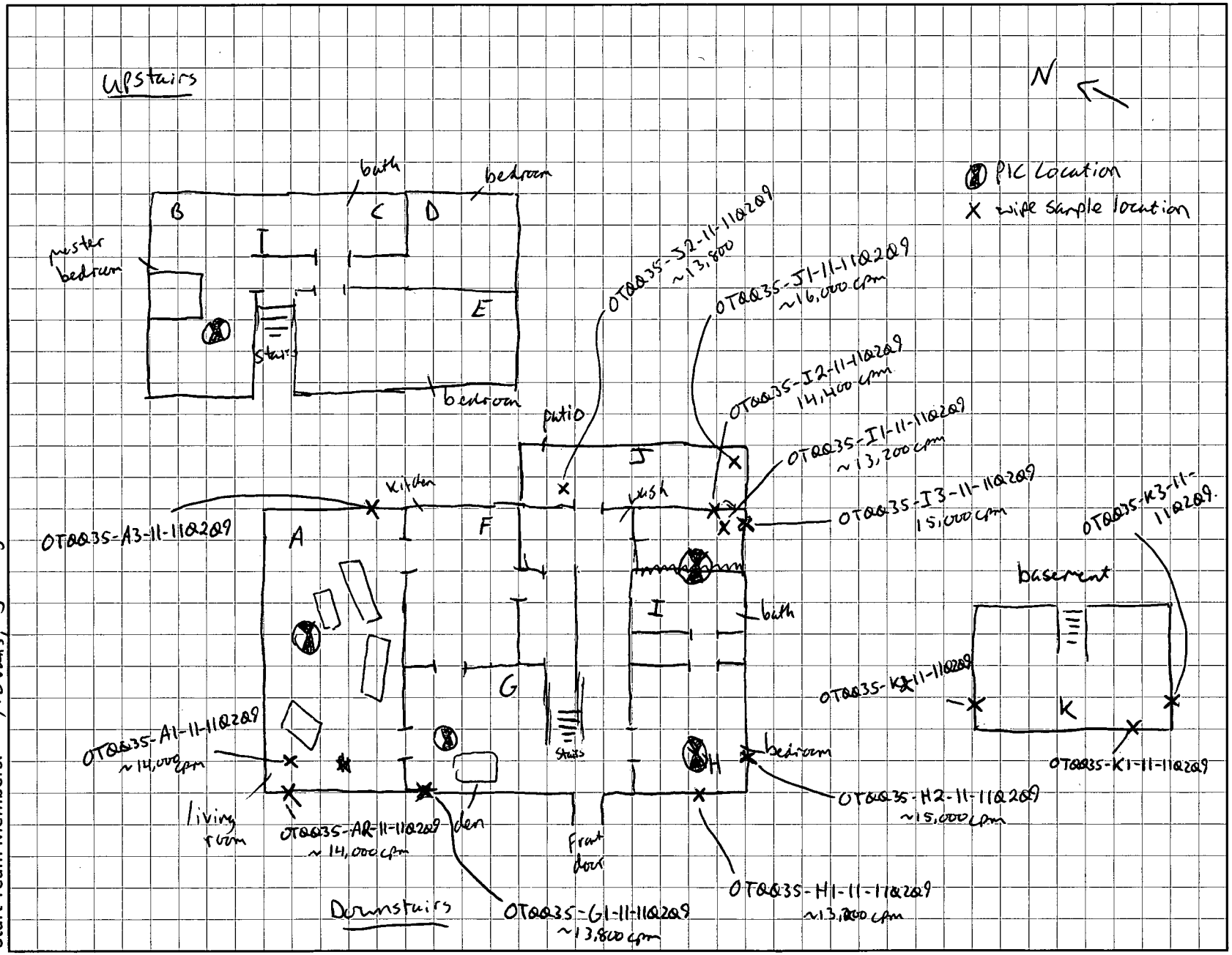
Room K
Start 1704
End 1709
2x2 11670 at 1718

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: OTQQ35

Date: 2/9/11

Start Team Members: T. Evans, J. Wright



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: OTØØ35
Date: 2/9/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PRØ339Ø8

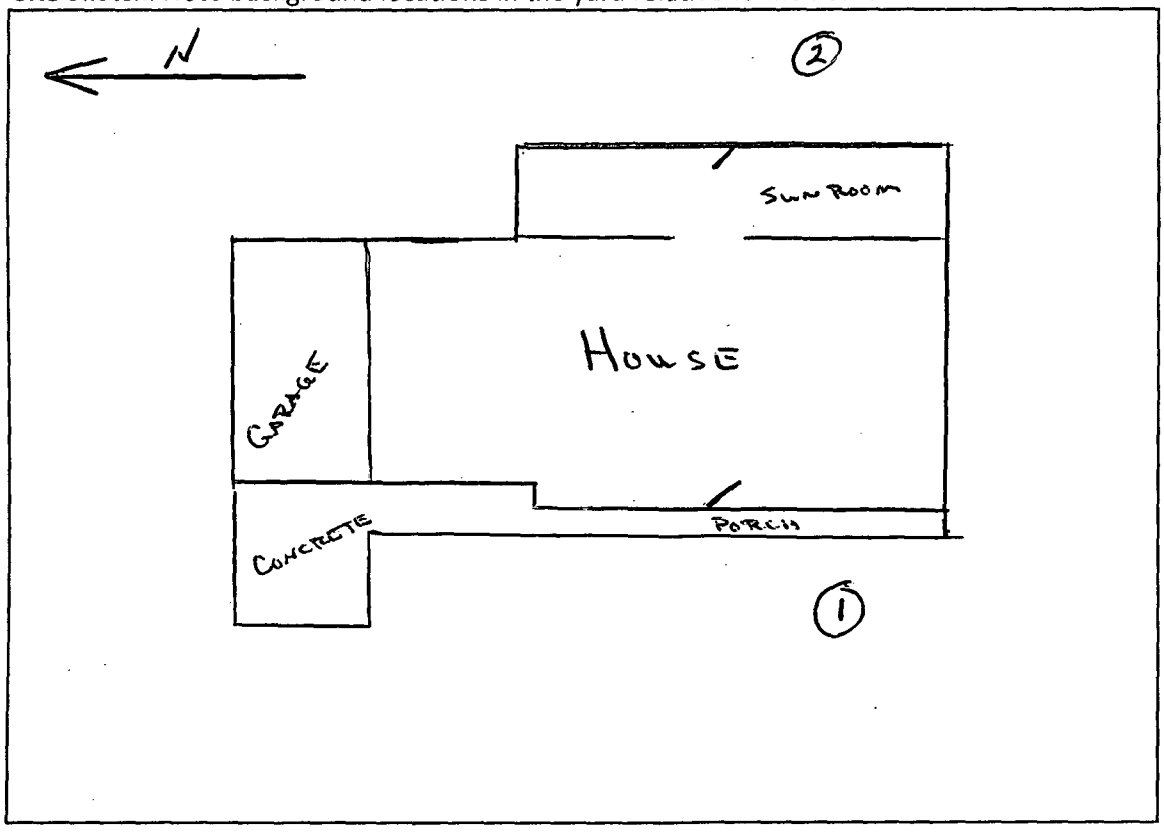
Background #1

1-min scaler time: 1416
1-min scaler reading: 10990
Location description: FRONT YARD BACKGROUND - SW OF FRONT DOOR IN GRASS AREA
Photo time: 1420
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM.

Background #2

1-min scaler time: 1426
1-min scaler reading: 9851
Location description: BACKYARD BACKGROUND - SE OF BACK DOOR IN GRASS AREA.
Photo time: 1428
Photo description: BACKYARD BACKGROUND LOCATION NOTED BY LUDLUM.

Site Sketch: Note background locations in the yard relative to the home.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: OTQQ35
Date: 2/9/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ339Q8

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 12,900

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
OTQQ35-A	1446	10,200-14,000	8,500-15,000	3 wipe samples collected W+E walls, floor at West
-B	1456	7,000-9,500	6,500-9,100	none
-C	1500	7,100-9,800	6,500-9,000	none
-D	1502	7,000-9,100	7,000-9,300	none
-E	1505	6,700-9,500	6,300-9,200	none
-F	1511	8,600-11,200	7,500-11,200	none
-G	1514	9,600-12,100	8,600-13,800	on West wall in NW corner
-H	1521	8,800-13,200	8,000-15,000	on west and south walls
-I	1531	10,200-13,200	9,500-15,000	east + south walls.
-J	1630	10,500-16,000	—	2 samples on floor
-K	1640	10,000-12,500	10,000-14,000	3 samples.

San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: PVØØ26
Date: 4/26/2011
START member (who completed this form): T. Sulaiman
Additional START members: O. Garren

Outdoor background readings
1 8451 @ 1132
2 8700
3
4
5

PIC SN: 5(Ø1D227Ø2)
Ludlum SN: 163687
2x2 SN: PR112840
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 8700 + 1900 = 10600

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
PVØØ26-A	1305	1310	7852	1311	6hrs
-B	1315	1320	6722	1325	8hrs
~~/A~~					

PIC time On: 1235

PIC time Off: 1340

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

1 of 2

Property ID: PV ϕϕ26
Date: 4/26/2011
START member who completed this form: T. Suleiman
Other START members: O. Garren
PIC # 5C(ϕ1022 7ϕ2)
Ludlum #: 163687 Ludlum #:
Detector #: PR112840 Detector #:

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1130							
Ludlum readings walking from outside to inside	1142							
Readings (cpm): inside: 7700 - 10300 outside: 7700 - 9700								
Scan of entire house; range: general: 6300 - 10500	1148							
Average reading: average: 8700								
Indoor Threshold (Average + 1,900 cpm) (cpm):	10600							
Start scan of room		1203	1210	1215	1218	1219	1223	1228
Set up PIC in room		1220	1313					
Photo of PIC in room (note in photo log)		1236	1313					
Turn PIC on		1235						
Start 5-min stabilization period		1236						
End 5-min stabilization period		1241						
1-min scaler reading with Ludlum next to PIC		1311	1325					
Reading:		7852	6722					
Start 5-min recording period		1305	1315					
End 5-min recording period		1310	1320					
Download data. Save file. Clear data.			1336					
Turn PIC off			1340					

Grants Mineral Belt
Residential Information Sheet

c. Were any materials brought home from the mine/mine?
If yes, respond to the following:
Type of materials brought to property from mines/mills (Rocks, Fill, etc) _____
Uses of materials brought to property from mines/mills (construction, decoration, collection): _____

Comments (Related to Mine/Mill Information):

Include any other information about the building of the structure that you think would be useful to EPA's efforts to identify and locate the source of the materials used in the structure

Residential Structure Information

a. When was the structure built?	b. Who built the structure?

c. What are the building materials of the structure (e.g. Log home, adobe, wood frame, cinder block, rock and plaster, dirt floor, sub floor over cross base, frame stucco, slab on-grade) ?

d. What are the sources of materials use to build the structure?

e. Did any of the building materials com from mines/mills?
If yes, respond to the following:
Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____

f. Are there additional materials that may have come from mines/mills and that are stored within the home (e.g. rocks, furniture, memorabilia):

g. Does the structure have a central forced air heating?	h. Does the structure have an air conditioning system?

i. Does the structure have a basement?

j. Were there renovations or major changes to the structure?
If yes, respond to the following:

Who worked on the renovations?	When were the renovations?
What are the materials used for the renovations?	What are the sources of materials used for the renovations?

Did any of the renovations materials come from mines/mills? ___
If yes, respond the following
Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____

k. Is the residential structure a mobile or prefabricated home? _____
If yes, respond to the following:
Does the home have skirting? _____
If yes, respond the following:
Type of skirting materials:_____ Source of skirting materials:_____

Comments (Related to the structure information):

Include any other information about the building of the structure that you think would be useful to EPA's efforts to identify and locate the source of the materials used in the structure

If extra space is needed, please write on back of page.

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

2 OF 2

Property ID: PV0026
Date: 4/26/11
START member who completed this form: O. GARREN
Other START members: T. SULAIMAN
PIC # 5C10D227027
Ludlum #: 163687 Ludlum #:
Detector #: PR112840 Detector #:

Indoor Activity	TIMES	Room ~~A~~ H	Room ~~B~~ I	Room C	Room D	Room E	Room F	Room G
Draw site sketch								
Ludlum readings walking from outside to inside								
Readings (cpm):								
Scan of entire house; range:								
Average reading:								
Indoor Threshold (Average + 1,900 cpm) (cpm):								
Start scan of room		1230	1240					
Set up PIC in room								
Photo of PIC in room (note in photo log)								
Turn PIC on								
Start 5-min stabilization period								
End 5-min stabilization period								
1-min scaler reading with Ludlum next to PIC								
Reading:								
Start 5-min recording period								
End 5-min recording period								
Download data. Save file. Clear data.								
Turn PIC off								

Grants Mineral Belt
Residential Information Sheet

Resident Information

Date:_____ Name of Main Contact Person for Residence:	Home Phone Number: Alternate Phone Number:
Address of Property:	Mailing Address:
Do you own, rent, or lease the property?	Owner Name: Tenant/User Name:
How long have you lived at this address?	
How often is the property occupied (e.g. number of hours/day, fulltime, number of months/year)?	% time occupied (Months when occupied): Time spent inside the home each day (hours/day): _____ Time spent in yard each day (hours/day): _____
Number of Adult Residents (>18 years old):	Number of Minor Resident (<18 years old):
Comments (Related to Residents):	

Pet/Livestock Information

Any Pets/Livestock on this property?	Number of pets/Livestock: _____ Description: _____ Number of pets/Livestock: _____ Description: _____ Number of pets/Livestock: _____ Description: _____

Utilities Information

Does this property have a municipal water connection? _____ Does the house have a septic tank? _____	Is there a well associated with this property? _____ Well Water Uses (drinking, livestock, irrigation): _____
Comments (Related to utilities):	

Mine/Mill Information

a. Did you work in the mines or mills?
If yes, respond to the following:

Ocupation(s):	Mine/mill name(s):	Time worked at mine/mill:	Clothes washed at home?

b. Did any residents or family members from this home work in the mines or mills?
If yes, respond to the following:

Relationship:	Ocupation(s):	Mine/mill name(s):	Time worked at mine/mill:	Clothes washed at home?
Relationship:	Ocupation(s):	Mine/mill name(s):	Time worked at mine/mill:	Clothes washed at home?
Relationship:	Ocupation(s):	Mine/mill name(s):	Time worked at mine/mill:	Clothes washed at home?

If extra space is needed, please write on back of page.

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: PVφφ26
Date: 4/26/2011
START member who completed this form: T. Sulaiman
Additional START members: O. Garren
Ludlum #: 163687
Detector #: PR112840

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm):

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
PVφφ26-A	1203	7500-9500	5800-9500	none
-B	1210	6100-8700	5900-6500	none
-C	1215	6600-7300	5400-6700	none
-D	1218	6100-7700	5600-6100	none
-E	1219	6100-9500	5000-8000	NONE
F	1223	7500-8700	6800-8000	NONE
G	1228	7100-7800	6800-7300	NONE
H	1230	6100-8500	5900-7500	NONE
I	1240	6500-8200	5700-16000	HIGH READINGS ISOLATED ~~TO~~ TO POTASSIUM
				CHLORIDE WATER SOFTENER BAGS ON CARPORT

Oak Canyon/San Mateo Assessment

PHASE II - Indoor Assessments

PHOTO LOG

Property ID: PVØØ26

Date: 4/26/2011

START member who completed this form: T. Sulaiman

Additional START members: O. Garren

Camera #:

TIME	PHOTO #	DESCRIPTION
1236	PV0026-03	PIC in Sitting room.
1313	PV0026-05	PIC in master bedroom.

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Outdoor Background Locations

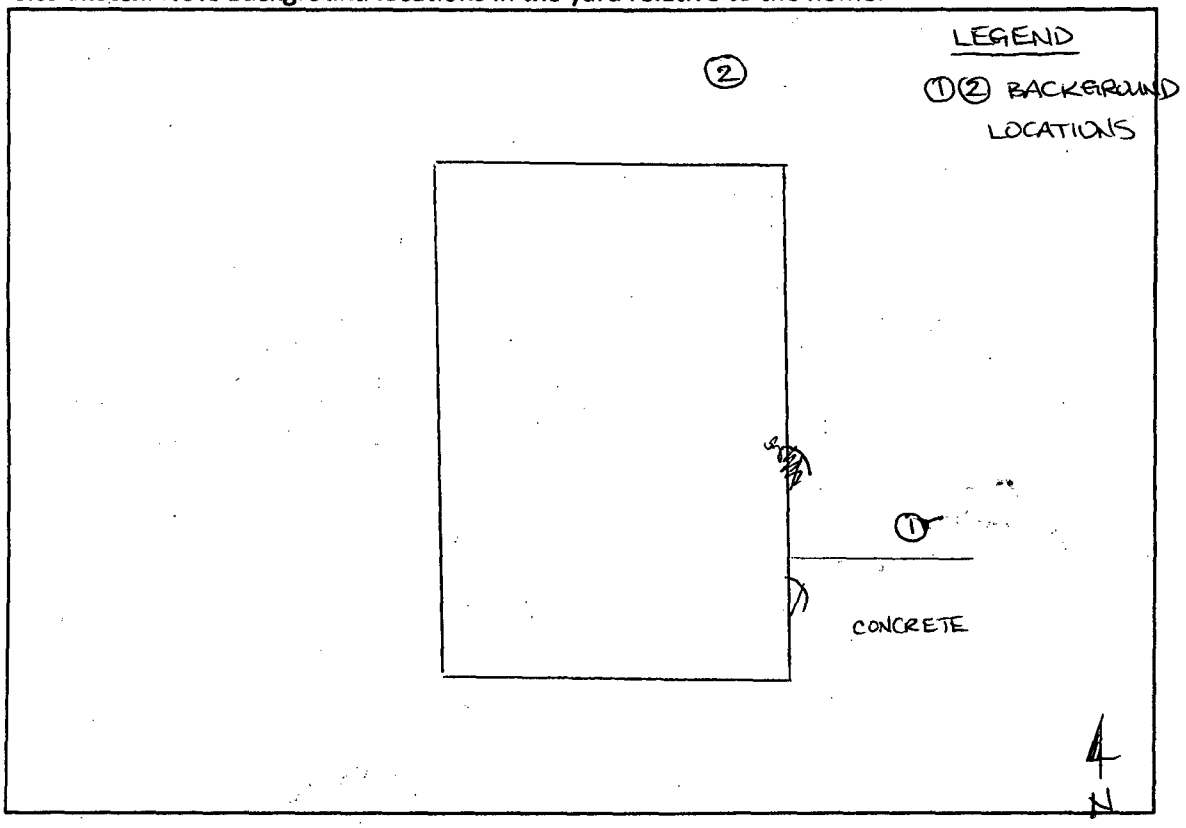
Property ID: PV0026
Date: 4/26/11
START member who completed this form: O. GARREN
Other START members: T. SULAIMAN

Ludlum #: 163687
Detector #: PR112840

Background #1
1-min scaler time: 1132
1-min scaler reading: 8451
Location description: EAST SIDE OF HOUSE; NORTH OF CONCRETE
Photo time:
Photo description: LAT: 35.230951 LONG: -107.88182

Background #2
1-min scaler time: 1135
1-min scaler reading: 8700
Location description: NE CORNER OF HOUSE; WEST OF SWING SET
Photo time:
Photo description: LAT: 35.230988 LONG: -107.8819

Site Sketch: Note background locations in the yard relative to the home.



BLUEWATER RADON STATUS

3-29-2011

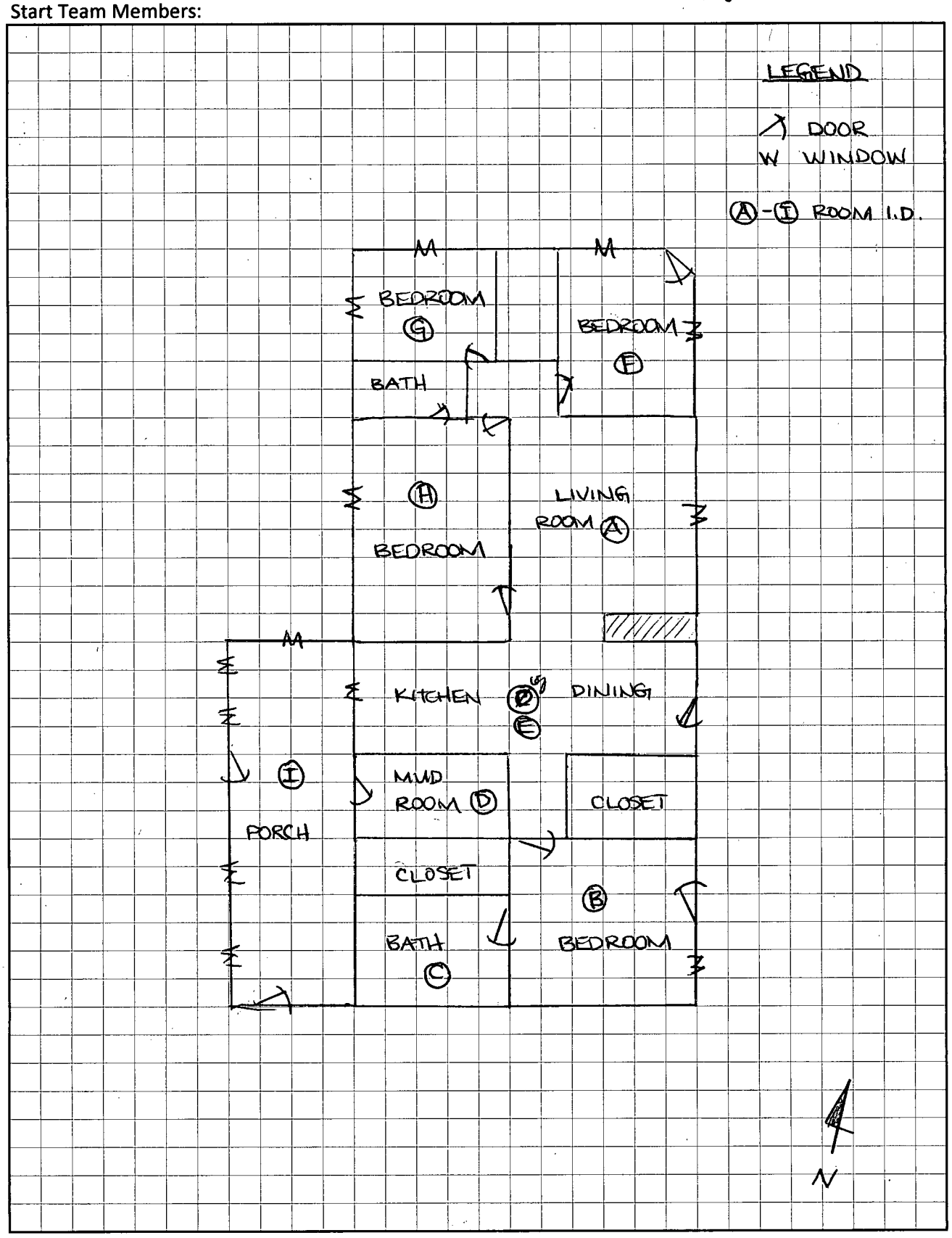
Sample #	EventID	Sub Location	Sample Type	Start Date	Stop Date	Start Time	Stop Time	Canister
BW0016-01-C	Indoor Radon	Between Living Room and H	Field Duplicate	10/8/2010		12:35:00 PM		4783379
BW0016-01-D	Outdoor Radon	Tree on SW Section of Pro	Field Sample	10/8/2010	1/14/2011	1:05:00 PM	2:00:00 PM	4783382
BW0016-02-A	Indoor Radon	Between living room	Field Sample	1/12/2011		4:10:00 PM		4822972
BW0016-02-D	Outdoor Radon	Tree on SW section	Field Sample	1/14/2011		2:00:00 PM		4817843
BW0016A	Indoor Radon		Field Sample	1/12/2011	1/16/2011	4:10:00 PM	1:35:00 PM	690604
BW0016B	Indoor Radon		Field Sample	1/12/2011	1/16/2011	4:10:00 PM	1:35:00 PM	690605
BW0017-01-A	Indoor Radon	NE corner of north hallwa	Field Sample	10/21/2010	1/14/2011	9:50:00 AM	2:25:00 PM	4788167
BW0017-01-B	Indoor Radon	SW corner of living room	Field Sample	10/21/2010		9:45:00 AM		4788166
BW0017-01-D	Outdoor Radon	West end of wood lattice	Field Sample	10/21/2010	1/12/2011	10:00:00 AM	4:00:00 PM	4788240
BW0017-02-A	Indoor Radon	NE corner of N hallway	Field Sample	1/14/2011		2:25:00 PM		4822954
BW0017-02-D	Outdoor Radon	W end of wood lattice	Field Sample	1/12/2011		4:00:00 PM		4823001
BW0017A	Indoor Radon	N bedroom on bookshelf	Field Sample	3/28/2011		4:10:00 PM		717154
BW0017B	Indoor Radon	N bedroom on bookshelf	Field Sample	3/28/2011		4:10:00 PM		717155
BW0018-01-A	Indoor Radon	On N wall near door to ma	Field Sample	10/23/2010		11:05:00 AM		4782966
BW0018-01-B	Indoor Radon	In S hall by bathroom	Field Sample	10/23/2010		11:10:00 AM		4782968
BW0018-01-D	Outdoor Radon	Carport post on SE end of	Field Sample	10/23/2010		11:25:00 AM		4782962
BW0019-01-A	Indoor Radon	Bedroom 1	Field Sample	10/6/2010	1/12/2011	2:05:00 PM	2:50:00 PM	4783354
BW0019-01-B	Indoor Radon	Cellar Shelf	Field Sample	10/6/2010		2:10:00 PM		4783353
BW0019-01-D	Outdoor Radon	Outside Deck	Field Sample	10/6/2010	1/12/2011	2:30:00 PM	2:50:00 PM	4783284
BW0019-02-A	Indoor Radon	Bedroom 1	Field Sample	1/12/2011		2:50:00 PM		4823176
BW0019-02-D	Outdoor Radon	Outside deck	Field Sample	1/12/2011		2:50:00 PM		4822983
BW0019A	Indoor Radon	BR on bookshelf	Field Sample	1/12/2011	1/16/2011	2:50:00 PM	12:38:00 PM	690584
BW0019B	Indoor Radon	BR on bookshelf	Field Sample	1/12/2011	1/16/2011	2:50:00 PM	12:38:00 PM	690623
BW0020-01-A	Indoor Radon	Meeting Area	Field Sample	10/6/2010	1/12/2011	2:32:00 PM	2:20:00 PM	4783402
BW0020-01-C	Indoor Radon	Meeting Area	Field Duplicate	10/6/2010		2:32:00 PM		4783355 - LOST
BW0020-01-D	Outdoor Radon	Pillar Near West Entrance	Field Sample	10/6/2010	1/12/2011	2:45:00 PM	2:20:00 PM	4783301
BW0020-02-A	Indoor Radon	Meeting Area	Field Sample	1/12/2011		2:20:00 PM		4823041
BW0020-02-C	Indoor Radon	Meeting Area	Field Duplicate	1/12/2011		2:20:00 PM		4823167
BW0020-02-D	Outdoor Radon	Pillar near W entrance	Field Sample	1/12/2011		2:20:00 PM		4823016
BW0020A	Indoor Radon		Field Sample	1/12/2011	1/16/2011	2:20:00 PM	12:42:00 PM	690608
BW0020B	Indoor Radon		Field Sample	1/12/2011	1/16/2011	2:20:00 PM	12:42:00 PM	690607
BW0020C	Indoor Radon		Field Duplicate	1/12/2011	1/16/2011	2:20:00 PM	12:42:00 PM	690591
BW0020D	Indoor Radon		Field Duplicate	1/12/2011	1/16/2011	2:20:00 PM	12:42:00 PM	690590
BW0021-01-A	Indoor Radon	Living Room Hallway	Field Sample	10/11/2010		1:50:00 PM		4788169

***(-B) indicates an ANNUAL detector**

San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 4/26/11 Property ID: PV0026

Start Team Members:



Grants Mineral Belt
Residential Information Sheet

If extra space is needed, please write on back of page.

San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: ~~VVQQ01~~ TE PVQQ27
Date: 4/28/11
START member (who completed this form): T. Evans
Additional START members: T. Sulaiman

Outdoor background readings
1 8147 cpm
2 9136 cpm
3
4
5
TE

PIC SN: 5(Q10227Q2)
Ludlum SN: 163687
2x2 SN: PR11284Q
Model 19 SN:
Model 03 SN:
Model 12 SN:
TE

Indoor Threshold (Average reading + 1900 cpm): 8,200 + 1,900 = 10,200

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
PVQQ27-A	1046	1051	7524	1045	Q
-B	1053	1058	7747	1059	
-C					
-D					
-E					
-F					

PIC time On: 1039
PIC time Off: 1100

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: ~~VV0001~~ PV0027
Date: 4/28/11
START member who completed this form: T. Evans
Other START members: T. Sulaiman
PIC # 5 (01D22702)
Ludlum #: 163687 Ludlum #: —
Detector #: PR11284Q Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1005							
Ludlum readings walking from outside to inside	1023							
Readings (cpm): Outside: 7,500-9,200 Inside: 7,000-8,600								
Scan of entire house; range: general: 6,800-9,500	1024							
Average reading: average: 8,200								
Indoor Threshold (Average + 1,900 cpm) (cpm):	10,100							
Start scan of room		1028	1038	1041	1043	1046	1048	
Set up PIC in room		1038	1052					
Photo of PIC in room (note in photo log)		1040	1053					
Turn PIC on		1039						
Start 5-min stabilization period		1039						
End 5-min stabilization period		1044						
1-min scaler reading with Ludlum next to PIC		1045	1059					
Reading:		7524	7747					
Start 5-min recording period		1046	1053					
End 5-min recording period		1051	1058					
Download data. Save file. Clear data.			1158					
Turn PIC off			1100					

Grants Mineral Belt
Residential Information Sheet

Yard Information

a. Was any fill material used in the home site yard?
If yes, respond to the following:

Did any of the fill materials come from any mine or mill sites? If yes, respond the following:	
Type of fill materials from mine/mills: (e.g. rocks, petrified wood, dirt, etc)	Location of fill material from mine/mills:
Uses of fill material from mine/mills: (e.g. walkways, walls, flower beds, etc)	Was any fill materials from mines/mills used in the vegetable garden or near fruit trees:

b. Do you have a vegetable garden or fruit trees in the yard?
If yes, respond to the following:
What type of vegetables/fruit do you grow? _____
How many pounds/year of vegetables/fruit are eaten from this garden? _____

Comments (Related to yard information):

Include any other information about the building of the structure that you think would be useful to EPA's efforts to identify and locate the source of the materials used as fill material under the house or in the yard

Information on Additional Structures on the Property

a. Any additional structures on the property?
If yes, respond to the following:

b. Main use of the additional structure: (e.g. Storage, Workshop, Garage, etc.)	c. When was the additional structure built?

d. Who built the additional structure?
e.

f. What are the building materials of the additional structure (e.g. Adobe, wood frame, cinder block, rock and plaster, dirt floor, sub floor over cross base, frame stucco, slab on-grade) ?

g. What are the sources of materials use to build the additional structure?

h. Did any of the building materials for the additional structure come from mines/mills?
If yes, respond to the following:
Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____

i. Were there any renovations or major changes to the additional structure?
If yes, respond to the following:

Who worked on the renovations for the additional structure?	
When were the renovations for the additional structure?	
What are the materials used for the renovations of the additional structure?	What are the sources of materials used for the renovations of the additional structures?
Did any of the renovations materials come from mines/mills? _____ If yes, respond the following Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____	

j. Are any rocks, furniture, souvenirs, or memorabilia from the mines stored in the building?

k. Is/are the additional structure(s) used as a residence? If yes, respond to the following How many hours/day is the additional structure occupied?	Comments (Related to additional structures):

If extra space is needed, please write on back of page.

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: ~~PVQQQ1~~ PVQQ27
Date: 4/28/11
START member who completed this form: T. Evans
Additional START members: T. Sulaiman
Ludlum #: 163687
Detector #: PR112848

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 10,100

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
PVQQ27-A	1028	7,600-9,500	6,000-8,200	none
-B	1038	6,000-8,550	6,700-8,500	none
-C	1041	7,100-7,800	5,800-6,800	none
-D	1043	6,800-8,000	5,900-8,000	none
-E	1046	7,100-8,800	6,000-7,500	none
-F	1048	7,500-9,500	6,500-9,900	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: ~~VVQQQ1~~ TE PVQQ27
Date: 4/28/11
START member who completed this form: T. Sulaiman
Other START members: T. Evans

Ludlum #: 163687
Detector #: PR11284Q

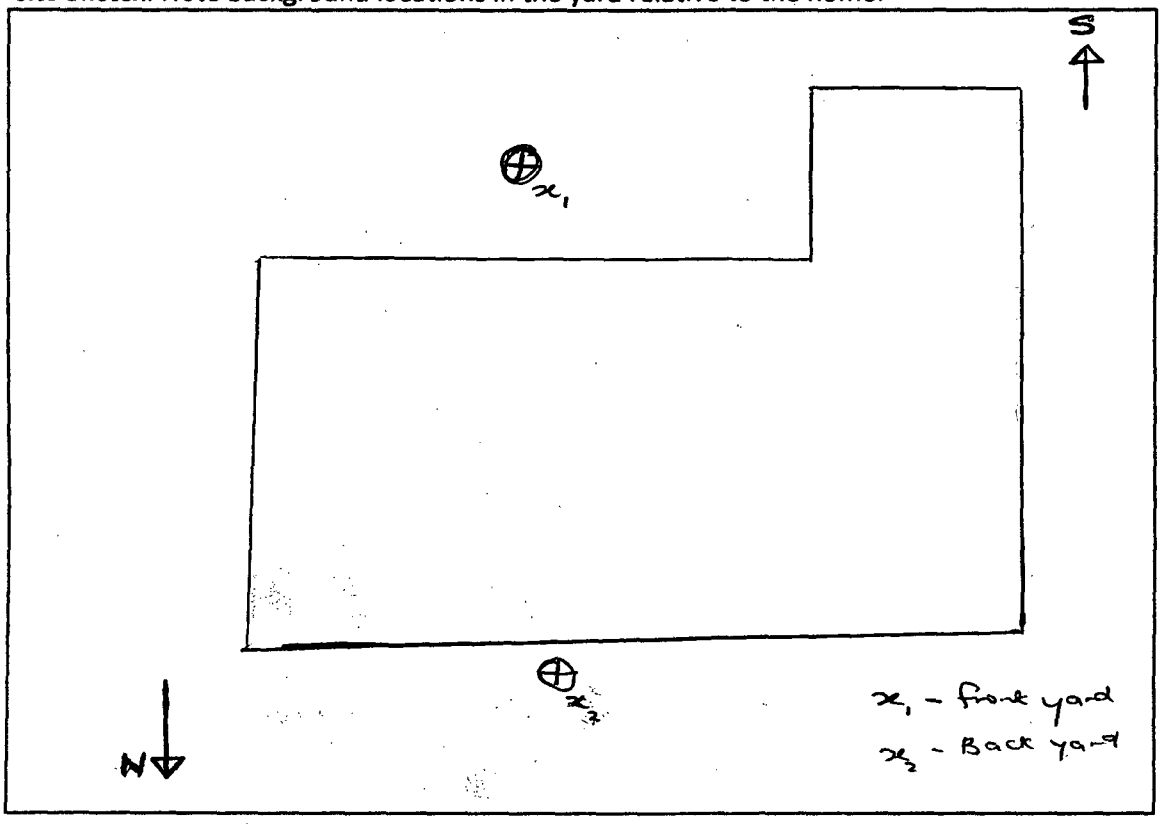
Background #1

1-min scaler time: 1019
1-min scaler reading: 8147
Location description: Back of house
Photo time: 1025
Photo description: Back of house.

Background #2

1-min scaler time: 1022
1-min scaler reading: 9136
Location description: front of house
Photo time: 1030
Photo description: Front of house

Site Sketch: Note background locations in the yard relative to the home.



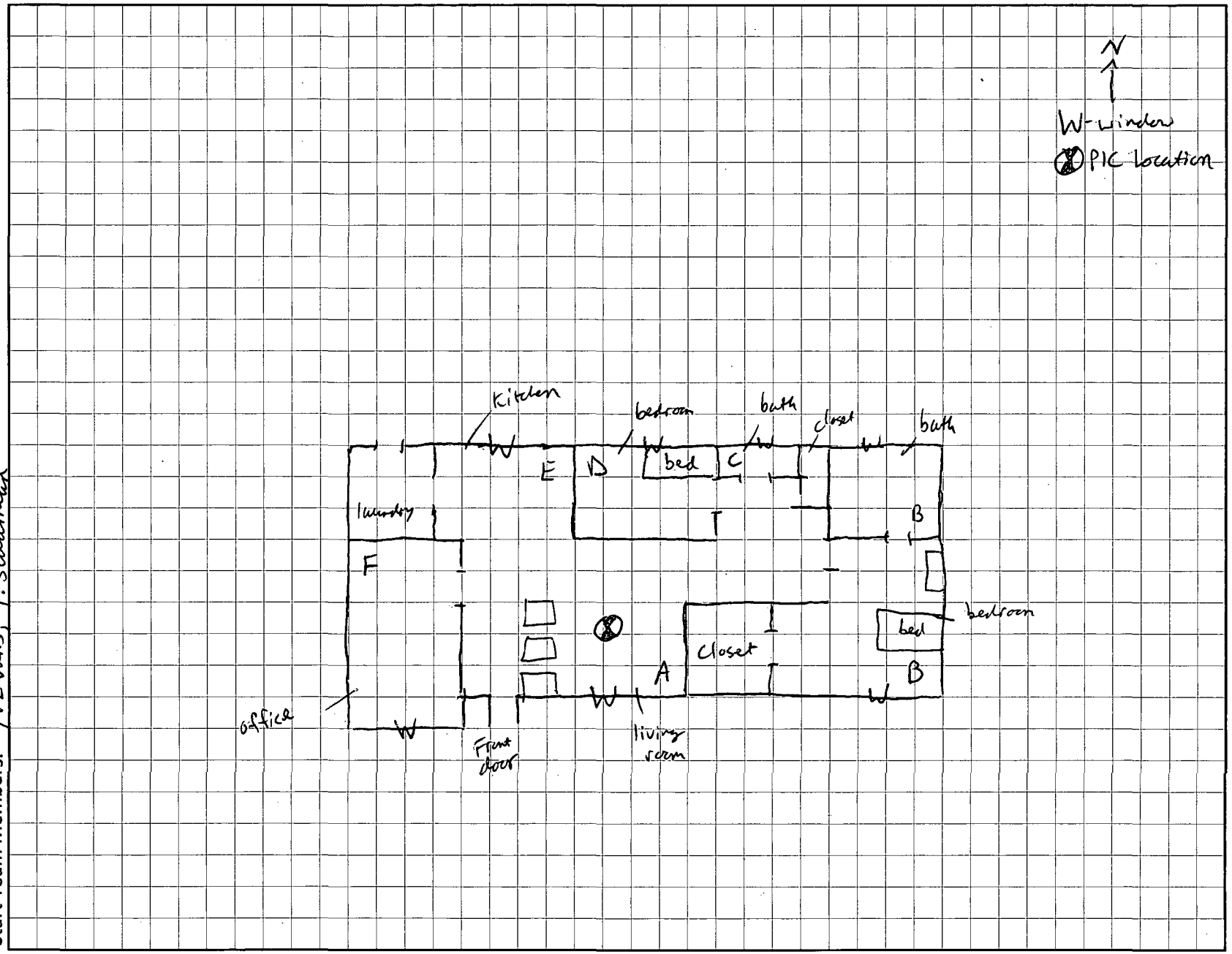
ML101060531	James Rosel ltr re: Response to 1/14/82 ltr re: Considerations, Limitations, and Restrictions on Post-Operational Monitoring at Johnny M Mine Site.	NMEID responds to Rancher's possible concerns about post-reclamation monitoring. NMEID says the water monitoring will be to better understand the affects of using tailings as backfill and doesn't expect any water quality violation.
ML101060621	Colleen Kelley Ltr re: Results of the Review of the analytical results of Johnny M Mine site samples.	Discusses NRC's review of sampling and consultant's report, NRC believes the consultant has wrong conclusion.
ML101060622	Felix Miera Memo Evaluating the Effectiveness of Completed Reclamation Activities at Johnny M Mine Site.	March 1985 memo discusses past reclamation at the mine and the results to provide recommendations for future actions based on sampling at 8 locations.
ML101060623	Harry Pettengill Ltr re: Work Plan for Site Surveys and Cleanup for Johnny M Mine.	Provides "Work Plan for Site Surveys and Cleanup." Letter mentions negotiations for an easement for right-of-way easement
ML101060624	Felix Miera Memo Re: Reclamation of the Johnny M. Mine Site.	Memo discusses problem that backfill material is from an area with high radiation from natural outcroppings; high readings outside of licensed zones; Rancher's did a good faith effort to reclaim area; discusses recommendations
ML101060625	NM Environmental Improvement Division Ltr re: Notice of Intent to Cease Operations and to Vacate Premises.	Notice of Intent to Cease Operations and to Vacate Premises. Provides NMEID steps it will take prior to vacating property, including planned reclamation, regrading, etc.
ML101060626	James Rosel Ltr re: Johnny M Mine Site Cease Operations.	NMEID states that the proposed cleanup plan was reviewed and it was determined it will be protective both radiologically and with groundwater.
ML101060628	Sand Fill Proposal at Johnny M Mine, McKinley County, NM.	Rancher's proposal to backfill mine. Report by the head Mining Geologist for Ranchers.
ML101060629	Environmental Improvement Agency Ltr re: Urgent Intent to Discharge Mine Tailings at Johnny M Mine Site.	Rancher's wants to discharge tailings to prevent cave-ins. Cave-ins would cause water from the Dakota aquifer to enter mine. The slurried fill material will not be contained by impermeable barriers, but it is stated no affect on groundwater.
ML101060631	Radiation Protection Bureau Uranium Licensing Section - Summary of Actions on Johnny M Mine License.	Provides a timeline of correspondence at the mine and includes copies of letters/memos cited.
ML101090054	James Rosel Ltr. re: Environmental Improvement Division Request to Continue to Sample Johnny M Mine Site After Decommissioning.	NMEID disucusses plan to sample after decommissioning and desire to work with Rancher's on a plan that will meet state and federal regs
ML101090058	P.A. Matthews Ltr re: 5/23/1978 Inspection of Johnny M Mine Backfill Operations with Uranium Mill Tailings.	May 23, 1978 inspection found no deficiencies.

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: PV0027

Date: 4/28/11

Start Team Members: T. Evans, T. Sulaiman



PROPER USE OF DEFENSE PEPPER SPRAY

WHAT IS IT?

ACTIVE INGREDIENT IS ORTHOCHLOROBENZALMALONONITRILE (TEAR GAS) AND OLEORESIN CAPSICUM (RED PEPPER)

HOW SHOULD I USE IT?

TURN ACTUATOR TO FIRING POSITION

POINT AT SUBJECT

SPRAY FOR 2-3 SECONDS INTO THE EYES

FIRE/ SPRAY HORIZONTALLY FROM EAR TO EAR

SHIELD FACE WHEN FIRING INTO WIND

WHAT IT DOES.

CAUSES SEVERE BURNING SENSATION IN THE EYES WITH COPIOUS TEARS, COUGHING, AND DIFFICULTY IN BREATHING.

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: PVQQ34

Date: 2/26/11

START member (who completed this form): J. Evans

Additional START members: O. Gurren

Outdoor background readings

1 10442 @1005

2 10426

3

4

5

PIC SN: Q1022202

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 8,900 + 1,900 = 10,800 cpm

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
PVQQ34-A	1041	1046	8106	1048	5
-B	1050	1055	7034	1102	8-10
-C					6
-D					5-6
-E					4
-F					3-4
-G					8-9

PIC time On: 1036

PIC time Off: 1110

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: PVQQ34
Date: 2/26/11
START member who completed this form: T. Evans
Other START members: O. Curran
PIC # 5 (Q1D227Q2)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ339Q8 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1011							
Ludlum readings walking from outside to inside	1019							
Readings (cpm): outside: 9,000-10,100 inside: 6,500-8,100								
Scan of entire house general: 7,000-10,300	1023							
Anomalous readings: average: 8,900								
Indoor Threshold (Average + 1,900 cpm) (cpm):	10800							
Start scan of room		1028	1035	1039	1044	1049	1052	1103
Set up PIC in room		1025	~~1047~~ 1049	|	|	|	|	|
Photo of PIC in room (note in photo log)		1027	1051					
Turn PIC on		1036						
Start 5-min stabilization period		1036						
End 5-min stabilization period		1041						
1-min scaler reading with Ludlum next to PIC		1048	1102	|	|	|	|	|
Reading:		~~1047~~ 8100	7034	|	|	|	|	|
Start 5-min recording period		~~1046~~ 1044	1050	|	|	|	|	|
End 5-min recording period		1046	1055	|	|	|	|	|
Download data. Save file. Clear data.			1114	|	|	|	|	|
Turn PIC off			1110	|		|	|	

1,000-1,500

500,5

1080

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: PVQQ34
Date: 2/26/11
START member who completed this form: J. Evans
Additional START members: O. Garren
Ludlum #: 149959
Detector #: PRQ33928

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 10,800

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
PVQQ34-A	1028	6,400-9,700	6,400-9,400	none
-B	1035	6,700-8,400	6,500-9,600	none
-C	1039	6,600-10,000	6,300-9,300	none
-D	1044	6,600-9,600	6,000-9,000	none
-E	1049	7,600-9,900	6,300-9,800	none
-F	1052	6,800-9,400	6,600-10,000	none
-G	1103	6,800-9,600	6,800-9,700	none

How can people protect themselves from uranium exposure?

- **2. By knowing how uranium can get in the body:**
  - Ingestion: drinking or eating contaminated water or food
  - Inhalation: breathing in contaminated dust or dirt

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: PVQQ34
Date: 2/26/11
START member who completed this form: O. GARREN
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PRQ33928

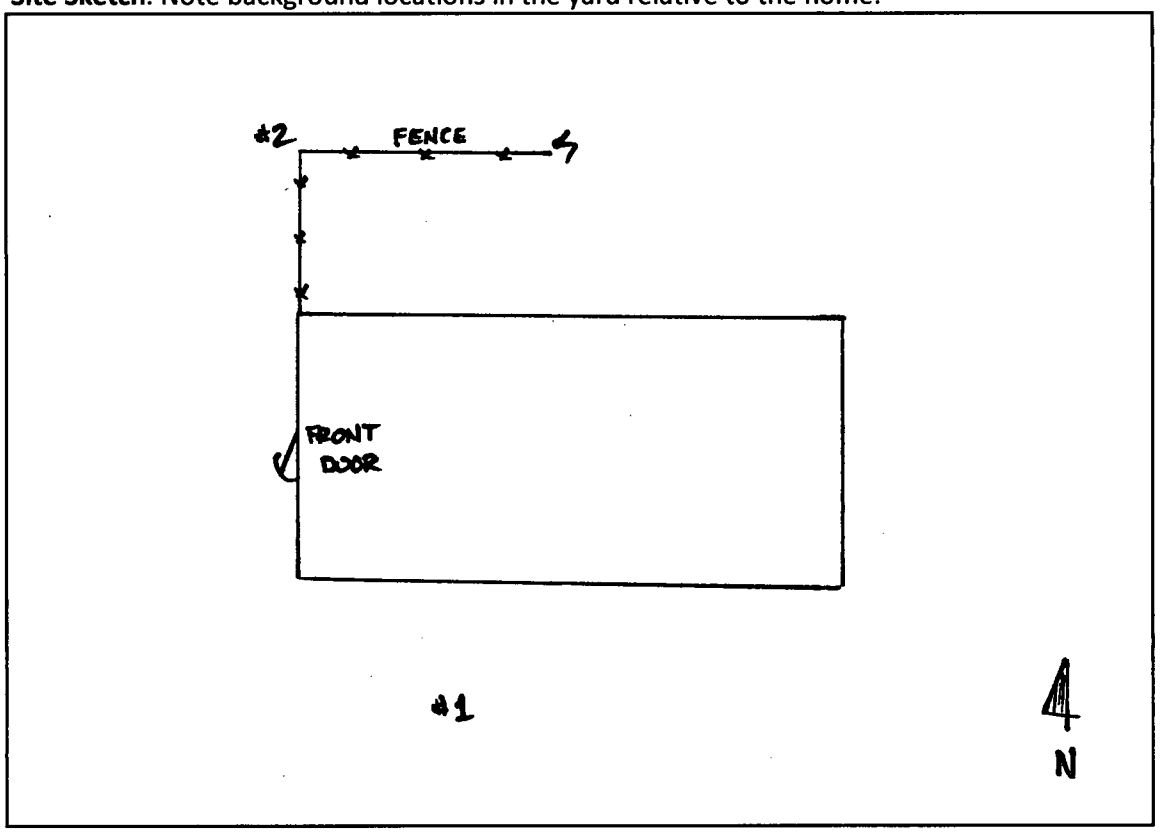
Background #1

1-min scaler time: 1005
1-min scaler reading: 10442
Location description: FRONT YARD
Photo time: 1007
Photo description: FACING NORTH; LAT: 35.234755 LONG: -107.88427

Background #2

1-min scaler time: 1008
1-min scaler reading: 10426
Location description: NW CORNER OF BACKYARD FENCE
Photo time: 1009
Photo description: FACING SOUTH; LAT: 35.235009 LONG: -107.88436

Site Sketch: Note background locations in the yard relative to the home.



wo# 20406.012.005.0397.01

2/24/2011 San Mateo Assessment

1650 Depart SM9000 for command post

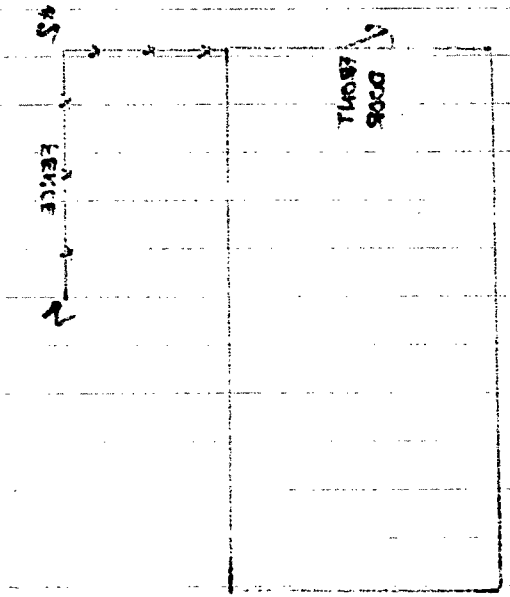
Late Entry @ 1620 - Scan Shoes with Ludlum Model 3

No readings above background. — PB

1730 Arrive at command post to unload and

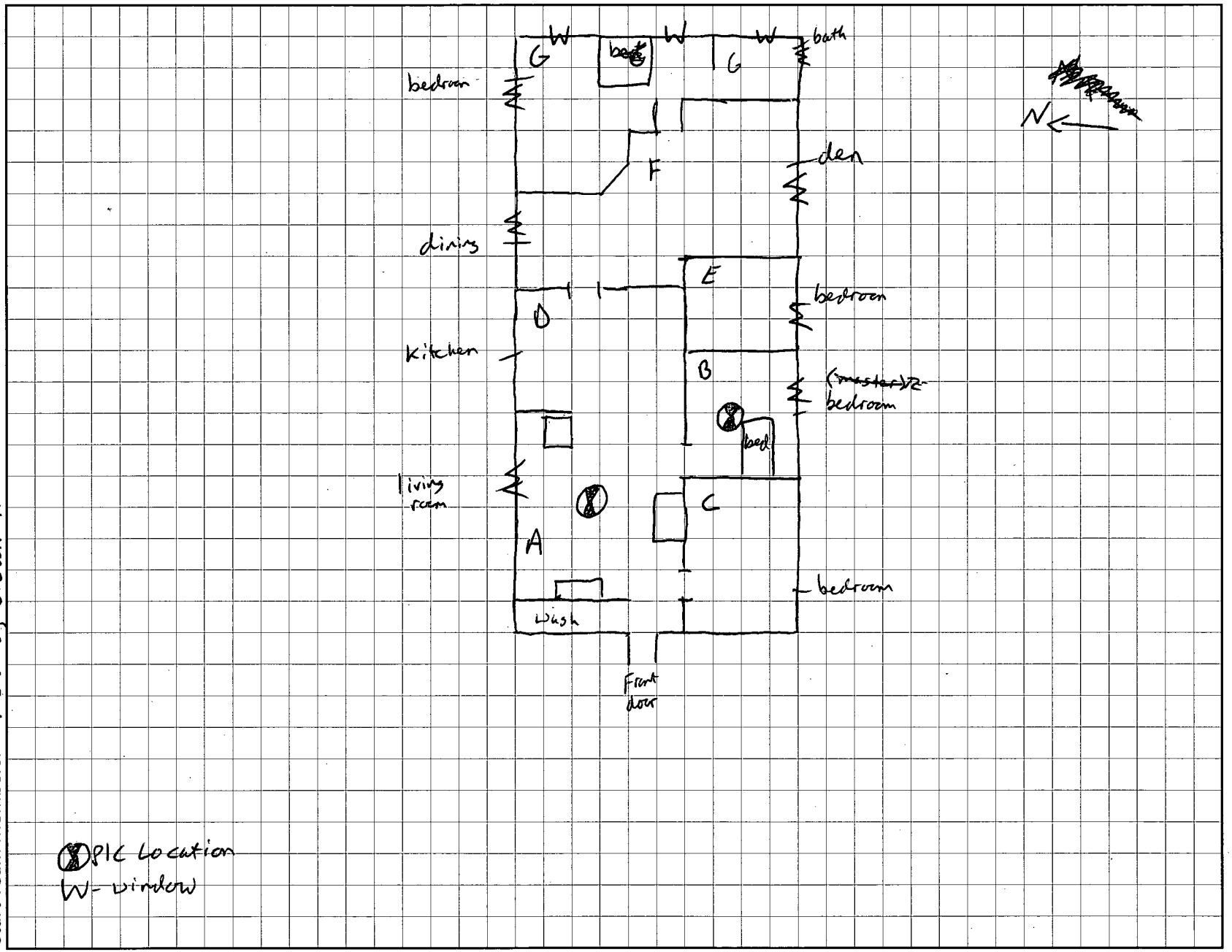
Charge equipment, transfer samples & rat data.

1800 Submit Paperwork, End of day — PB



San Mateo/Oak Canyon
Phase 2 House Sketch
Property ID: PV8034

Date: 2/26/10
Start Team Members: T. Evans, O. Garren



PIC Location
W- window

Landauer Alpha Track-Etch	Indoor Radon	VV0061	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0061	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0061	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0061	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	VV0061	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	VV0061	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0182	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0182	9/16/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0182	9/16/2010	
Landauer Alpha Track-Etch	Outdoor Radon	VV0182	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0182	1/19/2011	

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: ~~MA0025~~ PVQ13Q

Date: 3/9/11

START member (who completed this form): J. Evans

Additional START members: J. Wright

Outdoor background readings

1 10554 cpm

2 10150 cpm

3

4

5

PIC SN: Q1022702

Ludlum SN: 149959

2x2 SN: PRQ33908

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,800 + 1,900 = 11,700

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
PVQ13Q-A	1744	1749	8701	1743	3
-B	1754	1759	8715	1804	8-10
-C					0
-D					0-1
-E					10-12
-F					1
-G					2

PIC time On: 1737

PIC time Off: 1805

	N	N	1411.5	QC duplicate for 367584
	N	N	1459.5	
	N	N	1498.1	
north wall of common room	N	Y		
SE corner of TV room	Y	N		
South fence (wood with metal post)	Y	N		
SE corner of TV room	Y	N		
South fence (wood with metal post)	Y	N		
	N	N	2.9	
	N	N	3.2	
In hallway between closet and bedroom doors on ceiling next to smoke detector	N	Y		
Kitchen/living room north wall just below awning	Y	N		
On back side of basketball pole at top of driveway	Y	N		
Kitchen/living room north wall just below awning	Y	N		
On back side of basketball pole at top of driveway	Y	N		
SW corner of dining room	?	?		
West hallway next to smoke detector	?	?		
utility pole; NW corner	Y	N		
utility pole; NW corner	Y	N		
In main hallway on wall next to bathroom	N	Y		
In main family room on wall near master bedroom next to door	Y	N		
On corner fence post at northwest side of house	Y	N		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: ~~MA0025~~ PV0130
Date: 3/9/11
START member who completed this form: J. Evans
Other START members: J. Wright
PIC # 01D22702
Ludlum #: 149959 Ludlum #: —
Detector #: PR033908 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1806							
Ludlum readings walking from outside to inside	1723							
Readings (cpm): outside: 9,200-10,100 inside: 8,400-10,300	~~1725~~							
Scan of entire house general: 8,500-10,800	1725							
Anomalous readings: average: 9,800								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,700							
Start scan of room		1730	1736	1744	1748	1752	1755	1759
Set up PIC in room		1720	1756	|	|	|	|	|
Photo of PIC in room (note in photo log)		1738	1753	|	|	|	|	|
Turn PIC on		1737						
Start 5-min stabilization period		1737						
End 5-min stabilization period		1742						
1-min scaler reading with Ludlum next to PIC		1743	1804	|	|	|	|	|
Reading:		8701	8715	|	|	|	|	|
Start 5-min recording period		1744	1754	|	|	|	|	|
End 5-min recording period		1749	1759	|	|	|	|	|
Download data. Save file. Clear data.			1810	|	|	|	|	|
Turn PIC off			1805	|	|	|		|

Landauer Alpha Track-Etch	Indoor Radon	MA0091	1/19/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0091	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0094	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0094	9/14/2010	
Landauer Alpha Track-Etch	Outdoor Radon	MA0094	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0094	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0094	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0097	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0097	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0097	9/14/2010	1/19/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0097	1/19/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0097	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0099	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0099	9/16/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0099	9/16/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0099	9/16/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0099	1/15/2011	
Landauer Alpha Track-Etch	Indoor Radon	MA0099	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0099	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	MA0099	1/11/2011	1/15/2011

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

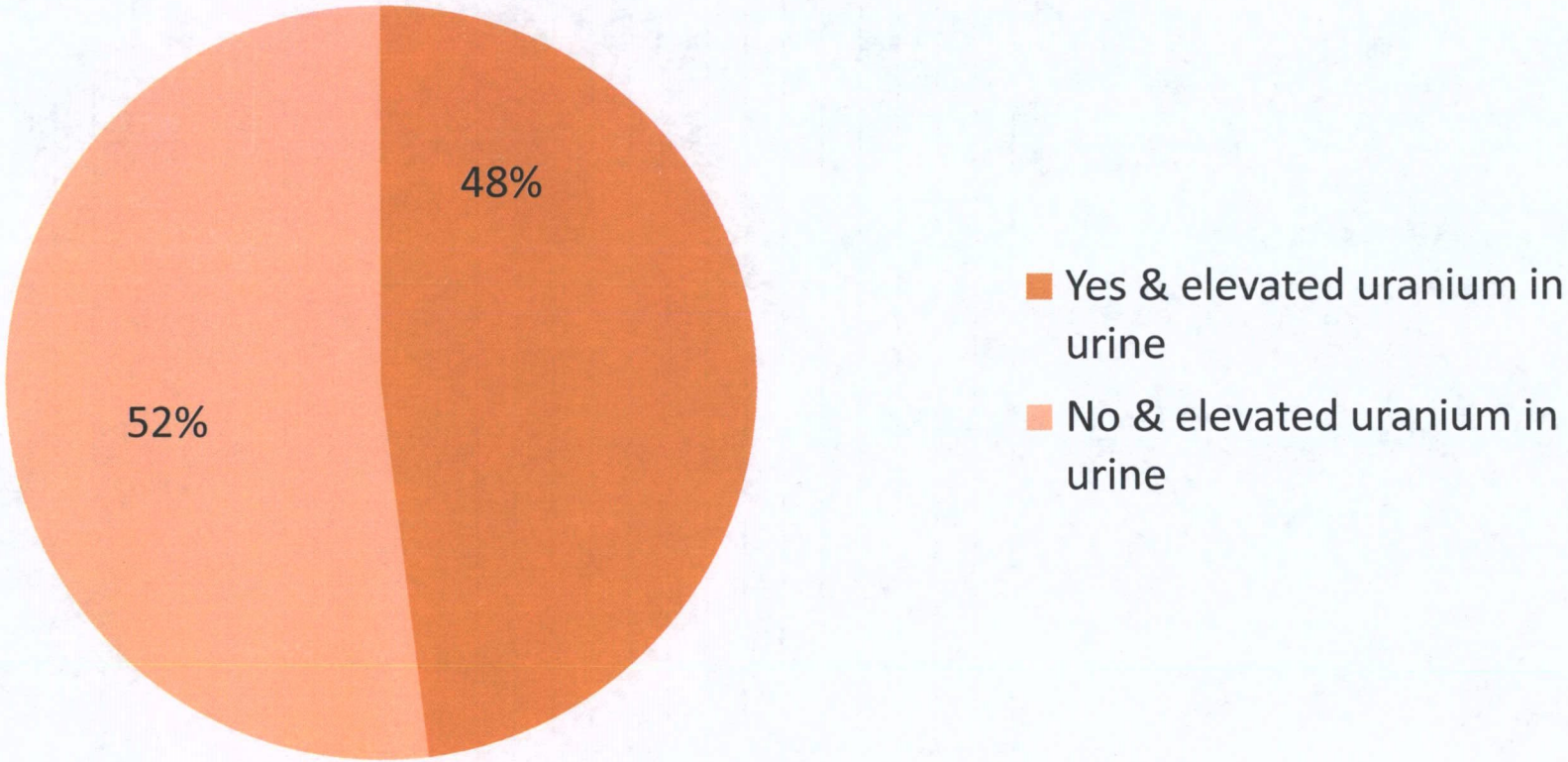
Property ID: ~~MAQQ25~~ TE PVQ13Q
Date: 3/9/11
START member who completed this form: J. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PRQ33908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 11,700

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
PVQ13Q-A	1730	~~9,2~~ 8,500-11,300	6,800-10,000	none
-B	1736	7,500-10,900	5,900-9,200	none
-C	1744	8,800-10,500	6,300-9,600	none
-D	1748	9,200-11,000	6,200-9,000	none.
-E	1752	8,600-11,200	6,700-9,900	none.
-F	1755	8,800-11,300	6,500-9,500	none
-G	1759	8,700-10,900	7,200-9,400	none

Have you done any running/hiking/biking in Cibola and/or McKinley County in the past 30 days? Pueblo of Laguna



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: PV013Ø
Date: 3/9/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PR033908

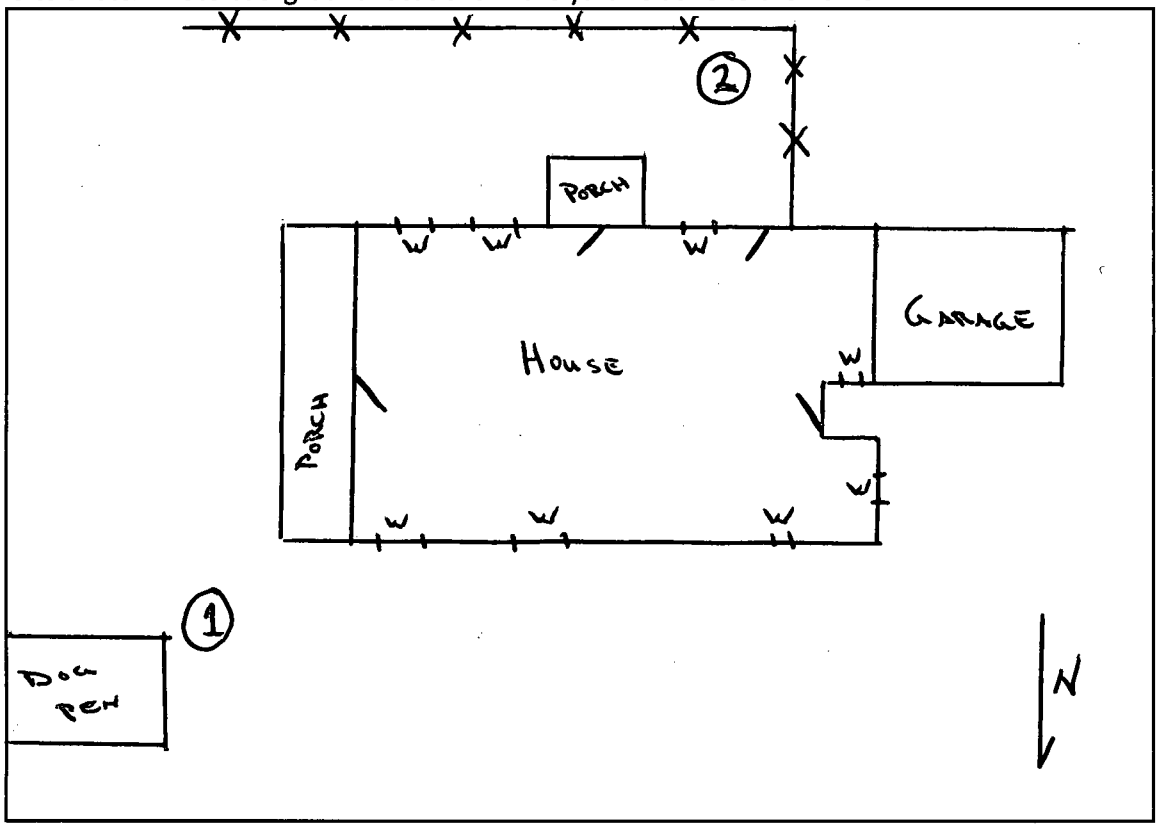
Background #1

1-min scaler time: 1709
1-min scaler reading: 10554
Location description: FRONT YARD BACKGROUND LOCATED NEAR DOG PEN
Photo time: 1709
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1718
1-min scaler reading: 10150
Location description: BACK YARD BACKGROUND LOCATED NEAR SW CORNER OF FENCE.
Photo time: 1718
Photo description: BACK YARD BACKGROUND LOCATION NOTED BY LUDLUM

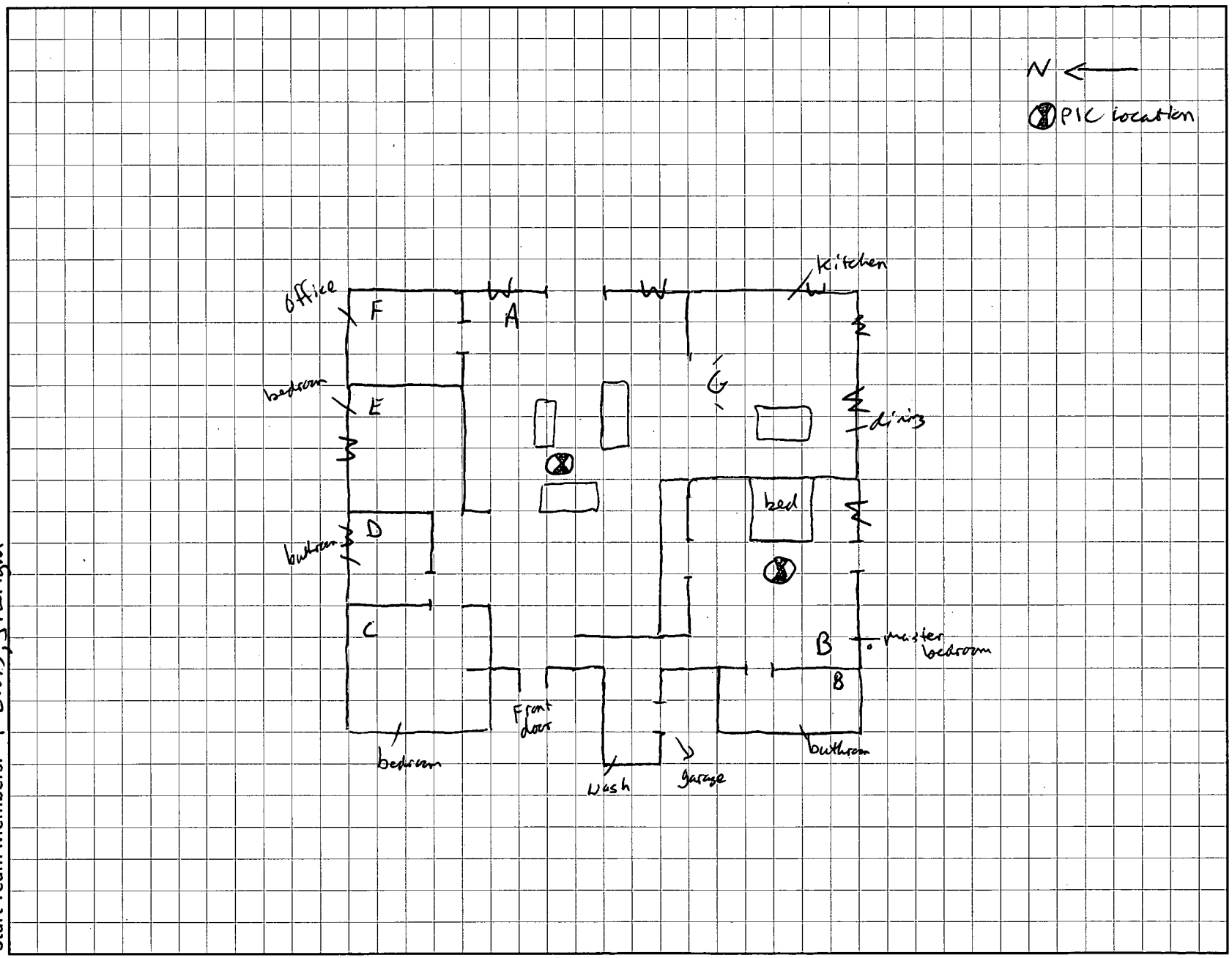
Site Sketch: Note background locations in the yard relative to the home.



Landauer Alpha Track-Etch	Outdoor Radon	BV0104	9/15/2010	
Landauer Alpha Track-Etch	Outdoor Radon	BV0104	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0104	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0104	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0106	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0106	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0110	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0110	9/16/2010	
Landauer Alpha Track-Etch	Outdoor Radon	BV0110	9/16/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0110	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0111	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0111	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0111	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0111	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0111	1/13/2011	

San Mateo/Oak Canyon
Phase 2 House Sketch
Property ID: ~~M40025~~ PV0138

Date: 3/9/11
Start Team Members: T. Evans, J. Wright



Landauer Alpha Track-Etch	Indoor Radon	VV0013	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0013	9/15/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0013	9/15/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0013	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0013	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	VV0013	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	VV0013	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0016	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0016	9/15/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0016	9/15/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0016	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0016	1/15/2011	
Landauer Alpha Track-Etch	Indoor Radon	VV0016	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0016	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	VV0016	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	VV0016	1/11/2011	1/15/2011
RAdata LCS Vial	Radon in Groundwater	VV0016	11/18/2010	11/18/2010
RAdata LCS Vial	Radon in Groundwater	VV0016	11/18/2010	11/18/2010
RAdata LCS Vial	Radon in Groundwater	VV0016	11/18/2010	11/18/2010

San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: VV0003
Date: 3/23/2011
START member (who completed this form): VASQUEZ
Additional START members: GARREN

Outdoor background readings
1 10696
2 11665
3
4
5

PIC SN: ~~149959 N~~ PIC #5
Ludlum SN: 149959 PR033908
2x2 SN:
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11400

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading ~~(cpm)~~	CPM PIC Scaler ~~Time~~	Avg time spent in room (hrs/day)
Room A	952	957	1003	9228	4
Room B	1007	1012	1013	9239	8
Room C	—	—	—	—	2
Room D	—	—	—	—	1.5

PIC time On: 09:38
PIC time Off:

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: VV0003
Date: 3/23/2011
START member who completed this form: VASQUEZ
Additional START members: GARREN
Ludlum #: 149959
Detector #: PRØ33908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm):

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
Room A	0946	8300-10900	6900-9800	NA / $\bar{F}$ = 9800 $\bar{W}$ = 8500
Room B	0956	8900-11300	6900-11200	NA / $\bar{F}$ = 10500 $\bar{W}$ = 9700
Room C	1005	8700-11700	6700-9900	NA / $\bar{F}$ = 10000 $\bar{W}$ = 8500
Room D	1011	8700-10600	7000-9900	NA / $\bar{F}$ = 10200 $\bar{W}$ = 8300
Room				

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: VV10003
Date: 3/23/11
START member who completed this form: O. GARREN
Other START members: R. VASQUEZ

Ludlum #: 149959
Detector #: PR033908

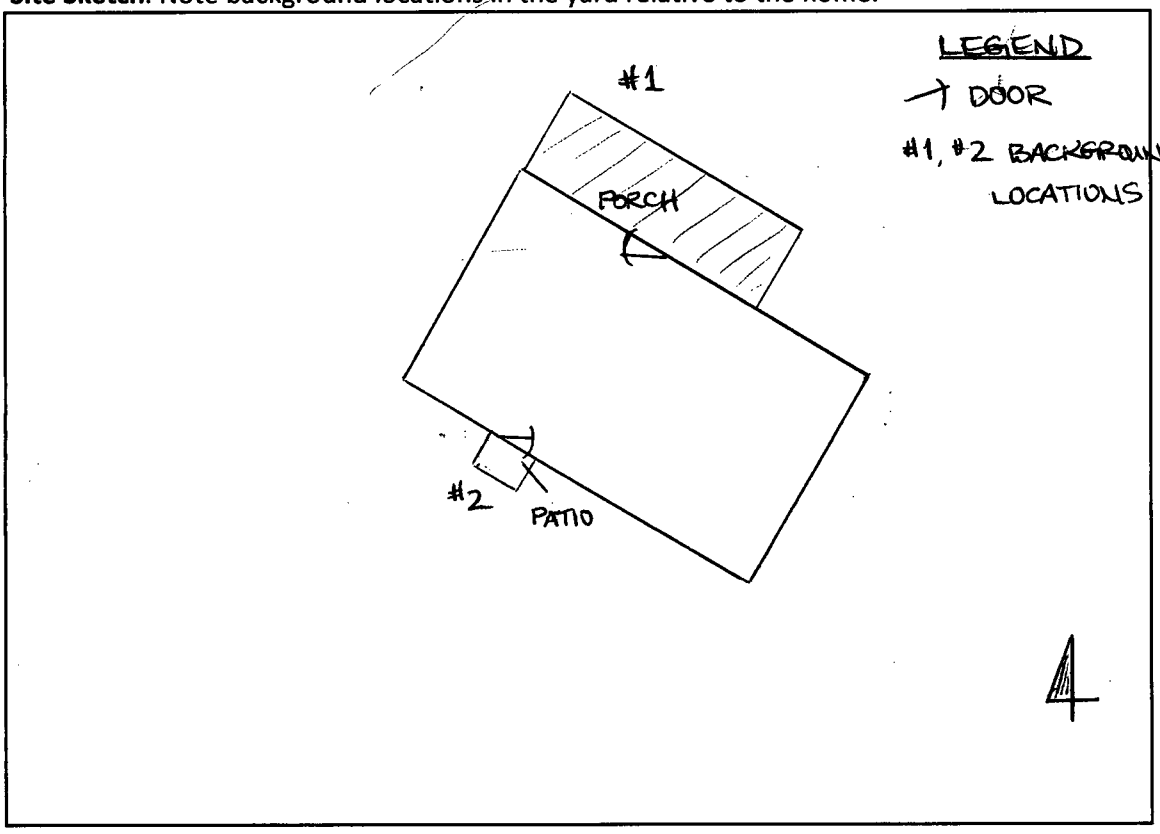
Background #1

1-min scaler time: 0921
1-min scaler reading: 10696
Location description: NW CORNER OF HOUSE
Photo time: 0921
Photo description: FACING SW; LAT: 35.231719 LONG: -107.89090

Background #2

1-min scaler time: 0926
1-min scaler reading: 11665
Location description: SOUTH SIDE OF HOUSE; NEXT TO CEMENT PATIO
Photo time: 0926
Photo description: FACING NE; LAT: 35.231553 LONG: -107.89103

Site Sketch: Note background locations in the yard relative to the home.



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: VV0003
Date: 3/23/2011
START member who completed this form: VASQUEZ
Other START members: Olim Garren
PIC # 5
Ludlum #: 149959 Ludlum #: NA
Detector #: PR033908 Detector #: NA

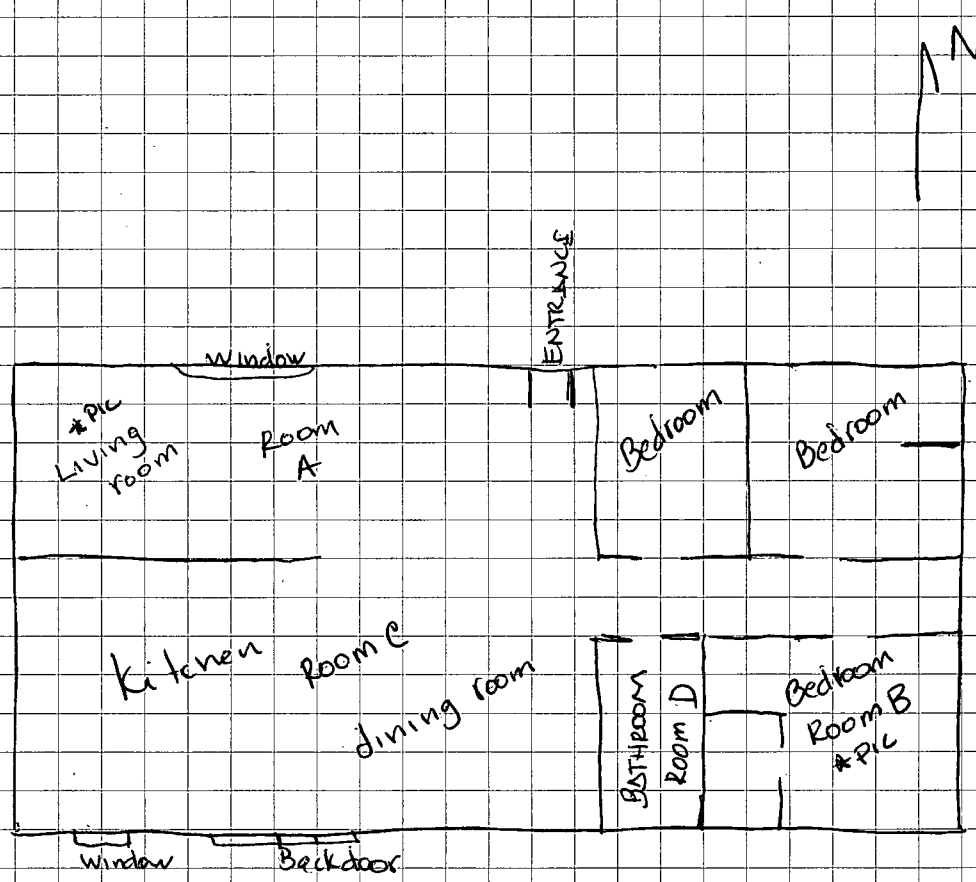
Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	928							
Ludlum readings walking from outside to inside	937							
Readings (cpm): 9100 - 11100 x̄ 10500; 3600 - 11700 x̄ 9100								
Scan of entire house 8900 - 10900	948							
Anomalous readings: 9500								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11400							
Start scan of room								
Set up PIC in room		935	1005					
Photo of PIC in room (note in photo log)		943	1010					
Turn PIC on		938						
Start 5-min stabilization period		939						
End 5-min stabilization period		944						
1-min scaler reading with Ludlum next to PIC		1003	1013					
Reading:		9228	9239					
Start 5-min recording period		952	1007					
End 5-min recording period		957	1012					
Download data. Save file. Clear data.			1022					
Turn PIC off			1027					

Landauer Alpha Track-Etch	Indoor Radon	BV0143	10/12/2010	1/12/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0143	10/12/2010	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0143	1/16/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0143	1/16/2011	
RAdata Charcoal Canister	Indoor Radon	BV0143	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	BV0143	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	BV0143	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	BV0143	1/12/2011	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0146	10/11/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0146	10/11/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0146	10/11/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0146	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0146	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0150	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0150	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0150	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0150	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0150	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	BV0150	1/13/2011	1/17/2011
RAdata Charcoal Canister	Indoor Radon	BV0150	1/13/2011	1/17/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0159	10/20/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0159	10/20/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0159	10/20/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0159	10/20/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0159	10/20/2010	1/19/2011

San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 3/23/2011 Property ID: VV0003

Start Team Members: VASQUEZ / GREEN



*Pic test location
All XRFum readings below Threshold
NO need to take wipe samples

RAdata Charcoal Canister	Indoor Radon	MA0099	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0100	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0100	9/14/2010	1/12/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0100	9/14/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0100	1/12/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0100	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	MA0100	1/11/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	MA0100	1/11/2011	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0101	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0101	9/14/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0101	9/14/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0101	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	MA0101	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	MA0101	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	MA0101	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	MA0134	11/3/2010	
Landauer Alpha Track-Etch	Indoor Radon	MA0134	11/3/2010	
Landauer Alpha Track-Etch	Outdoor Radon	MA0134	11/3/2010	1/19/2011
Landauer Alpha Track-Etch	Outdoor Radon	MA0134	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	OT0035	11/18/2010	
Landauer Alpha Track-Etch	Indoor Radon	OT0035	11/18/2010	
Landauer Alpha Track-Etch	Indoor Radon	OT0035	11/18/2010	
Landauer Alpha Track-Etch	Indoor Radon	OT0035	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	OT0035	9/16/2010	1/12/2011
Landauer Alpha Track-Etch	Indoor Radon	OT0035	9/16/2010	1/12/2011

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: VVQQ13

Date: 4/29/11

START member (who completed this form): T. Evans

Additional START members: T. Sulaiman

Outdoor background readings

1 7697 cpm

2 9724 cpm

3

4

5

TE

PIC SN: Q1022782 (#s)

Ludlum SN: 163687

2x2 SN: PR112840

Model 19 SN:

Model 03 SN:

Model 12 SN:

TE

Indoor Threshold (Average reading + 1900 cpm): 7,500+1,900 = 9,400 cpm

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
VVQQ13-A	1033	1038	9079	1032	
-B	1040	1045	6308	1046	
-C					
-D					
-E					
-F					
-G					

PIC time On: 1025

PIC time Off: 1046

1/26/10 SAN MATEO ASSESSMENT

SOIL SAMPLE COLLECTED FROM 1-MIN. COUNT LOCATIONS #1- #10. ANALYSIS: U_{238}

1500 BB0002-02-41-100126 XRF COMPOSITE SOIL SAMPLE COLLECTED FROM 1-MIN. COUNT LOCATIONS #11- #20. ANALYSIS: U_{238}

1510 PHOTO: BB0002-01 (FRONT OF HOUSE)
LAT: 35.171863 LONG: -107.39057
DIRECTION: SOUTH PHOTOGRAPHER: EVANS

1528 PHOTO: BB0002-02 (STATIONARY PTS. #1-#10)
LAT: 35.171886 LONG: -107.39054
DIRECTION: NE PHOTOGRAPHER: EVANS

1532 PHOTO: BB0002-03 (STATIONARY PTS #11-#20)
LAT: 35.17168 LONG: -107.39101
DIRECTION: NE PHOTOGRAPHER: EVANS

1650 COMPLETED YARD ASSESSMENT; NO COUNTS PER MIN. GREATER THAN 14,000 SO NO GRAB SAMPLES REQUIRED. ASSESSED W/IN FENCED AREA AROUND HOME.

1700 DEPART FOR COMMAND CTR.

1800 ARRIVE AT COMMAND CTR; UNLOAD EQUIPMENT; PERFORM DIAGNOSTIC CHECK ON LUDLUM 2221 UNITS; & EXPORT DATA TO SCRIBE DATABASE.

1900 DEPART COMMAND CTR. / END OF WORK DAY

Alan Stevens

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: VV2Q13
Date: 4/29/11
START member who completed this form: T. Evans
Other START members: T. Suleiman
PIC # 5 (Q1D227Q2)
Ludlum #: 163687 Ludlum #: —
Detector #: PR112842 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1000							
Ludlum readings walking from outside to inside	1010							
Readings (cpm): outside: 6,400-7,500 inside: 6,800-8,400								
Scan of entire house; range: general: 5,900-11,200	1011							
Average reading: average: 7,500								
Indoor Threshold (Average + 1,900 cpm) (cpm):	9,400							
Start scan of room		1017	1024	1027	1029	1033	1035	1036
Set up PIC in room		1023	1039					
Photo of PIC in room (note in photo log)		1025	1040					
Turn PIC on		1025						
Start 5-min stabilization period		1025						
End 5-min stabilization period		1030						
1-min scaler reading with Ludlum next to PIC		1032	1046					
Reading:		~~15~~ 9079	6308					
Start 5-min recording period		1033	~~1039~~ 1040					
End 5-min recording period		1038	1045					
Download data. Save file. Clear data.			1052					
Turn PIC off			1046					

Grants Mineral Belt
Residential Information Sheet

c. Were any materials brought home from the mine/mine?
If yes, respond to the following:
Type of materials brought to property from mines/mills (Rocks, Fill, etc) _____
Uses of materials brought to property from mines/mills (construction, decoration, collection): _____

Comments (Related to Mine/Mill Information):

Include any other information about the building of the structure that you think would be useful to EPA's efforts to identify and locate the source of the materials used in the structure

Residential Structure Information

a. When was the structure built?	b. Who built the structure?

c. What are the building materials of the structure (e.g. Log home, adobe, wood frame, cinder block, rock and plaster, dirt floor, sub floor over cross base, frame stucco, slab on-grade) ?

d. What are the sources of materials use to build the structure?

e. Did any of the building materials com from mines/mills?
If yes, respond to the following:
Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____

f. Are there additional materials that may have come from mines/mills and that are stored within the home (e.g. rocks, furniture, memorabilia):

g. Does the structure have a central forced air heating?	h. Does the structure have an air conditioning system?

i. Does the structure have a basement?

j. Were there renovations or major changes to the structure?
If yes, respond to the following:

Who worked on the renovations?	When were the renovations?
What are the materials used for the renovations?	What are the sources of materials used for the renovations?

Did any of the renovations materials come from mines/mills? ___
If yes, respond the following
Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____

k. Is the residential structure a mobile or prefabricated home? _____
If yes, respond to the following:
Does the home have skirting? _____
If yes, respond the following:
Type of skirting materials:_____ Source of skirting materials:_____

Comments (Related to the structure information):

Include any other information about the building of the structure that you think would be useful to EPA's efforts to identify and locate the source of the materials used in the structure

If extra space is needed, please write on back of page.

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: VVQQ13
Date: 4/29/11
START member who completed this form: T. Evans
Additional START members: J. Sulaiman
Ludlum #: 163687
Detector #: PR112840

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 9,400

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
VVQQ13-A	1017	8,000-11,200	8,000-13,000	high readings on floor are due to fireplace/on rock wall above fireplace
-B	1024	6,000-7,900	6,000-7,000	none
-C	1027	6,700-8,200	5,500-6,500	none
-D	1029	6,900-7,200	5,500-7,000	none
-E	1033	6,000-7,000	5,700-6,700	none
-F	1035	6,000-7,600	5,900-6,000	none
-G	1036	6,500-7,300	5,500-7,500	none

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: VY ØØ13
Date: 4/29/2011
START member who completed this form: T. Sulaiman
Other START members: T. Evans

Ludlum #: 163687
Detector #: PR112840

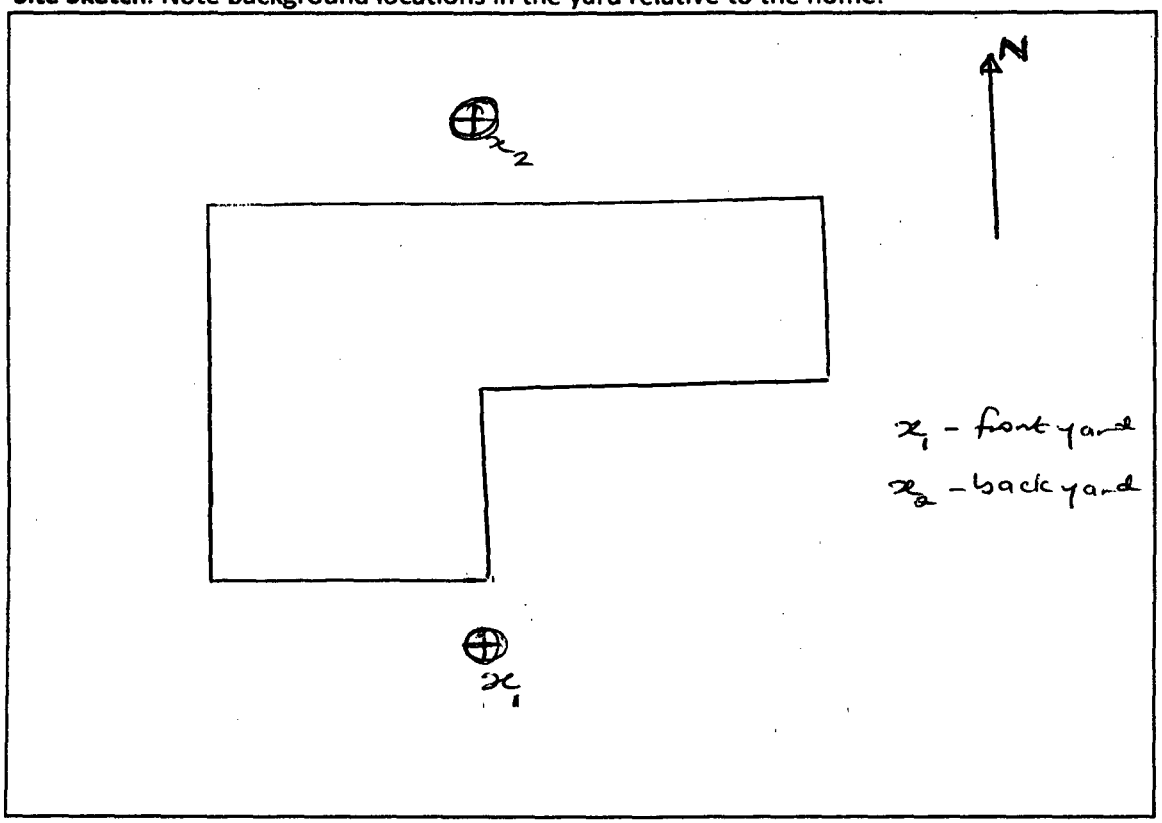
Background #1

1-min scaler time: 1003
1-min scaler reading: 7697
Location description: Front of house
Photo time: 1014
Photo description: Front of house

Background #2

1-min scaler time: 1006
1-min scaler reading: 9724
Location description: Back of house
Photo time: 1017
Photo description: Back of house.

Site Sketch: Note background locations in the yard relative to the home.



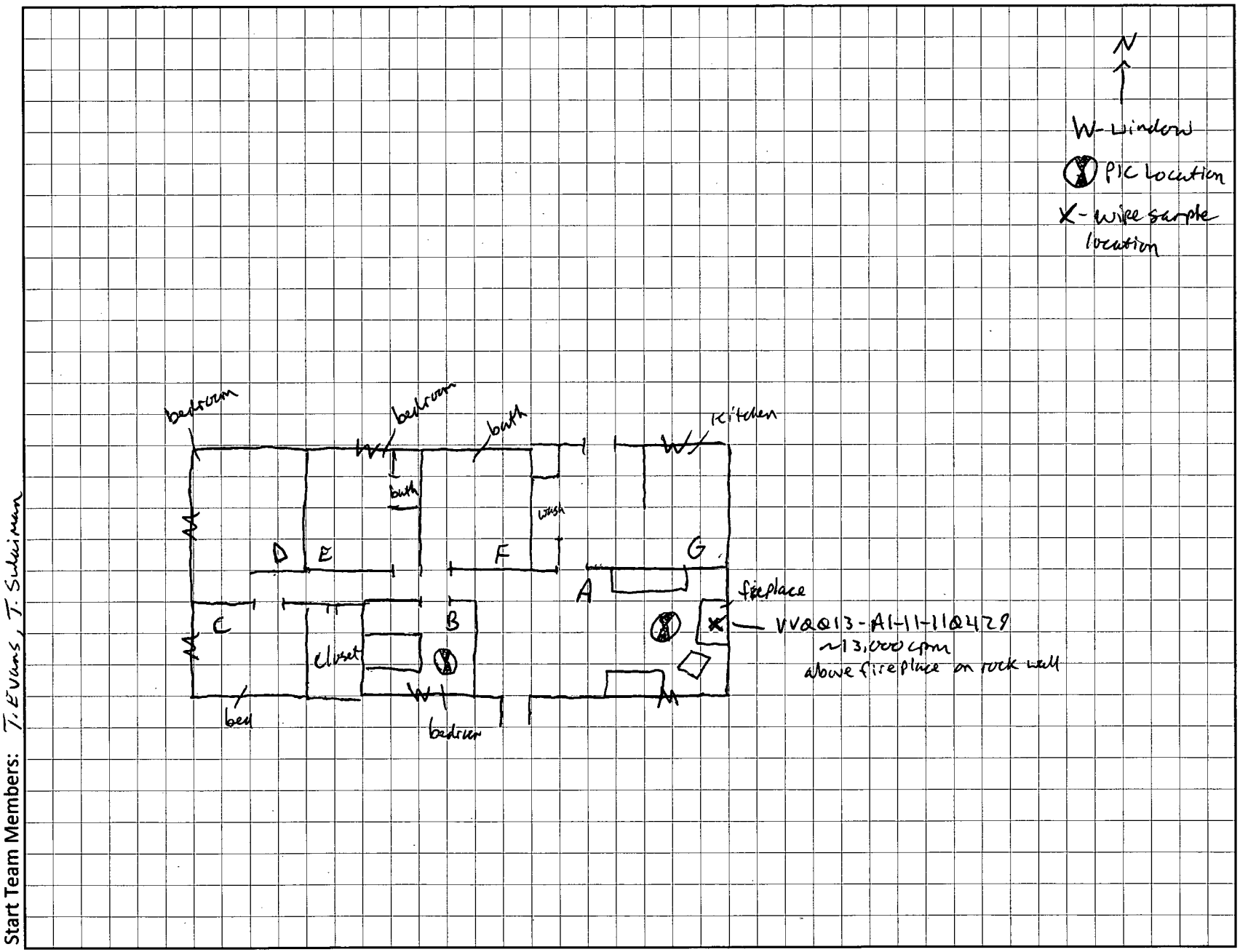
File Name / Accession	Title	Enforcement Officer's Notes
ML083180201	2008/11/09 - Comment (1300) E-mail regarding Uranium Recovery draft GEIS	Public comments, little value for Johnny M Site
ML083180217	2008/11/09 - Comment (1303) E-mail regarding Uranium Recovery draft GEIS	Public comments, little value for Johnny M Site, same as ML083180201
ML101030860	The Uranium Industry in New Mexico. New Mexico Bureau of Mines and Mineral Resources - March 1977.	Indicated Ranchers Exploration and Development was the operator
ML101060069	Summary of the Johnny M Mine Site based on the NRC's- Uranium Recovery Field Office Files.	Provides initial list of PPRs to work from
ML101060071	Chronology for Source Material License SUA-1482 for the Johnny M Mine Backfill Site.	Correspondence list for SUA-1482
ML101060074	Ramon E. Hall Ltr. re: License SUA-1482, Johnny M Mine Site Reclamation.	Letter reporting additional soil cleanup was completed and sampling results support cleanup was successful
ML101060076	Ramon Hall Ltr. re: Additional Information re: the Effect of the Johnny M Backfilled Tailings on the Aquifer.	States the mine intercepted two aquifers. Shaft was grouted and cemented through the Dakota and tailings were below the aquifer. Water monitoring performed with Conditions 16 and 17. Water quality data from late 1970s was found and included. Hecla states there are no identifiable upward trends
ML101060077	Ramon Hall ltr re: Hecla Responses to NRC's November 5, 1991 Letter re: Concerns.	Hecla responds to NRC's concerns by saying they have performed additional cleanup actions to address their concerns.
ML101060078	Ramon Hall ltr re: Providing Additional Information Requested in NRC's August 16,1991 Letter.	Discusses the aquifers and wells in the vicinity of the mine.
ML101060080	Hecla Mining Company ltr re: 6/18/91 NRC Inspection Report, activities authorized by SUA-1482.	Provides and discusses inpestion results from a June 18, 1991 inspection by NRC - two concerns related to contamination control.
ML101060082	Ramon E. Hall Ltr. re: Initiation of Reclamation at the Johnny M Mine Site and License Conditions.	Hecla provides plan for soil removal for potential NRC visit; mentions NRC has made no statements on remediation plan for 6 months
ML101060084	Ramon Hall Ltr re: Cerillos Land Co's Ownership of Minerals in McKinley County, NM.	Cerrillos Land Company confirms ownership of minerals in S7 T13N R8W and does not wish to transfer ownership to Federal Government.
ML101060085	Larry Drew Ltr. re: Letter from Fernandez Company, LTD Surface Rights Availability to the Johnny M Mine.	NRC states that they will be in a position to waive the transfer requirements since the tailings are buried deep and no owner wishes to transfer the land. Hecla indicates that Fernandez Company, LTD is the owner of the surface and it is not available for transfer to the US.
ML101060305	Ramon Hall Ltr. re: Transfer of the Johnny M Mining Site Property.	Mineral Estate for S7 T13N R8W - Santa Fe; Mineral Estate for E1/2 S18 T13N R8W - reserved to Federal Government when mine patented.
ML101060306	Ramon Hall Ltr. re: Letter from Fernandez Co. LTD re: Land State.	Fernandez Company states it does not wish to relinquish ownership of property
ML101060307	Iona Lee Ltr. re: Johnny M Mine Site and NRC Responsibilities in Cleanup.	Says NRC responsible for ensuring cleanup levels to EPA standards; Hecla has identified Uranium Mill tailings at Site; requests that property owner confirm in writing they will not sell land to Hecla.
ML101060309	Docket File Memo re: Review of Reclamation Plan for Hecla Mining Co's Johnny M. Mine.	NRC's review of Hecla's Reclamation Plan, resulting in License Condition 11 being revised to add reporting requirements, bioassay program, and cleanup verification. Includes discussion of Site.
ML101060371	Larry Drew Ltr re: NRC Receipt of Amendment Request for Johnny M Mine Site.	NRC states that reclamation plan is generally acceptable, but has additions to add via amending Condition 11 of the license.
ML101060373	Dawn Jacoby ltr re: Main Shaft Closure for Johnny M Mine site.	Letter to NRC from Hecla provides information on what was put down the shaft, how the shaft was sealed, and the condition of the surface.
ML101060374	William Brown Memo re: Termination of the Source Material License Issued to Hecla Mining Co or the Johnny M Mine.	Hecla wishes to terminate license and NRC is providing information to consider before a decision is made; appears to be incomplete letter.
ML101060375	Ramon Hall Ltr re: Request for License Amendment - Johnny M Mine.	Provides information to NRC that indicates off-site disposal most appropriate; includes Reclamation Plan, Revision 1
ML101060376	Dale Smith Ltr re: Site Survey and Soil Testing Report for the Johnny M Mine.	Site Survey and Soil Testing Report, required in License Condition 10
ML101060377	Hecla Mining Co Ltr re: Amendment 1 Source Materials License SUA-1482.	File copy of ML101060378 which Provides upgrade Source Material License; instructing pre-cleanup surverys and submittal of proposed cleanup or stabalization plan.
ML101060378	Hecla Mining Co Ltr re: Upgraded Source Materials License SUA-1482.	Provides upgrade Source Material License; instructing pre-cleanup surverys and submittal of proposed cleanup or stabalization plan.
ML101060526	James Rosel Ltr re: Acknowledging Receipt of Johnny M. Mine Termination Report.	NMEID indicates license is amended to change expiration date to allow for sampling and inspection by Radiation Protection Bureau
ML101060527	Iona Lee ltr re: Environmental Improvement Division Study re: Water Quality of Westwater Aquifer in Vicinity of Johnny M Mine.	NMEID responds to Lee Ranch regarding water quality and affects of a proposed study.
ML101060530	James Rosel Ltr re: Environmental Improvement Division Letter Dated 2/16/82 to Ranchers Exploration and Development Corp Concerning Shutdown of Johnny M Mine.	Provides cleanup standards to Ranchers for the Johnny M Mine

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: VVQQ13

Date: 4/29/11

Start Team Members: T. Evans, T. Suleiman



Grants Mineral Belt
Residential Information Sheet

Yard Information

a. Was any fill material used in the home site yard?
If yes, respond to the following:

Did any of the fill materials come from any mine or mill sites? If yes, respond the following:	
Type of fill materials from mine/mills: (e.g. rocks, petrified wood, dirt, etc)	Location of fill material from mine/mills:
Uses of fill material from mine/mills: (e.g. walkways, walls, flower beds, etc)	Was any fill materials from mines/mills used in the vegetable garden or near fruit trees:

b. Do you have a vegetable garden or fruit trees in the yard?
If yes, respond to the following:
What type of vegetables/fruit do you grow? _____
How many pounds/year of vegetables/fruit are eaten from this garden? _____

Comments (Related to yard information):

Include any other information about the building of the structure that you think would be useful to EPA's efforts to identify and locate the source of the materials used as fill material under the house or in the yard

Information on Additional Structures on the Property

a. Any additional structures on the property?
If yes, respond to the following:

b. Main use of the additional structure: (e.g. Storage, Workshop, Garage, etc.)	c. When was the additional structure built?

d. Who built the additional structure?
e.

f. What are the building materials of the additional structure (e.g. Adobe, wood frame, cinder block, rock and plaster, dirt floor, sub floor over cross base, frame stucco, slab on-grade) ?

g. What are the sources of materials use to build the additional structure?

h. Did any of the building materials for the additional structure come from mines/mills?
If yes, respond to the following:
Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____

i. Were there any renovations or major changes to the additional structure?
If yes, respond to the following:

Who worked on the renovations for the additional structure?	
When were the renovations for the additional structure?	
What are the materials used for the renovations of the additional structure?	What are the sources of materials used for the renovations of the additional structures?
Did any of the renovations materials come from mines/mills? _____ If yes, respond the following Mine/mill name where materials came from:_____ Type of materials brought from mines/mills:_____	

j. Are any rocks, furniture, souvenirs, or memorabilia from the mines stored in the building?

k. Is/are the additional structure(s) used as a residence? If yes, respond to the following How many hours/day is the additional structure occupied?	Comments (Related to additional structures):

If extra space is needed, please write on back of page.

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: VVØØ16

Date: 3/22/11

START member (who completed this form): VASQUEZ

Additional START members: Garen

Outdoor background readings

1 10432

2 9753

3

4

5

PIC SN: ~~PV 149959~~ #5

Ludlum SN: 149959 PR033908

2x2 SN:

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 10400

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
Room A	1444	1449	8969	~1430	8 hr.
Room B	1452	1457	7602	1503	4 hr
Room C	—	—	—	—	1 hr
Room D	—	—	—	—	0.5 hr
Room E	—	—	—	—	8 hr
Room F	—	—	—	—	2 hr
Room G	—	—	—	—	4 hr

PIC time On: 1418

PIC time Off: 1530

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: VVØØ16
Date: 3/22/11
START member who completed this form: Vasquez
Additional START members: Garren
Ludlum #: 149959
Detector #: PRØ339Ø8

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm):

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
Room A	~~10~~ 1431	7500 – 10200	6900 – 1300	~~NA~~ Yes / $\bar{F}$ = 8800 $\bar{W}$ = 9200 $\bar{x}$ ~~8800 pr~~ — WIPE @ Room A See Sketch.
Room B	1445	6600-9700	6000-9100	NA $\bar{F}$ = 8500 $\bar{W}$ = 7500
Room C	1451	6300-9100	5800-9200	NA / $\bar{F}$ = 7300 $\bar{W}$ = 7400
Room D	1505	6900-9500	5700-8700	NA / $\bar{F}$ = 8500 $\bar{W}$ = 7500
Room E	1509	7000-9800	6700-9800	NA / $\bar{F}$ = 8500 $\bar{W}$ = 8100
Room F	1516	7300-9700	6000-9700	NA / $\bar{F}$ = 8200 $\bar{W}$ = 7800
Room G	1520	7800-10300	6800-8900	N/A $\bar{F}$ = 9200 $\bar{W}$ = 8400

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: VVØØ16
Date: 3/22/11
START member who completed this form: Vasquez
Other START members: Ganen
PIC # #5
Ludlum #: 149959 Ludlum #: NA
Detector #: PRØ339Ø8 Detector #: NA

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1410							
Ludlum readings walking from outside to inside	1421							
Readings (cpm): OUT: 9,900 - 12,000 AVE: 10,500 IN 8000 - 10300 Ave 9100								
Scan of entire house 6800 - 10300 $\bar{x}$=8500	1425							
Anomalous readings: —	—							
Indoor Threshold (Average + 1,900 cpm) (cpm): 10400	10400							
Start scan of room								
Set up PIC in room								
Photo of PIC in room (note in photo log)								
Turn PIC on	1418							
Start 5-min stabilization period	1419							
End 5-min stabilization period	1424							
1-min scaler reading with Ludlum next to PIC	1430	1430	1503					
Reading:	8969 cpm	8969	7602					
Start 5-min recording period		1444	1452					
End 5-min recording period		1449	1457					
Download data. Save file. Clear data.			1528					
Turn PIC off			1530					

Landauer Alpha Track-Etch	Indoor Radon	BV0118	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0118	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0118	9/15/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0118	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0118	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0119	9/16/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0119	9/16/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0119	9/16/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0119	1/13/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0119	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	BV0122	10/21/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0122	10/21/2010	1/12/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0122	10/21/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0122	1/12/2011	
Landauer Alpha Track-Etch	Outdoor Radon	BV0122	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	BV0122	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	BV0122	1/12/2011	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	BV0123	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	BV0123	9/14/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	BV0123	9/14/2010	1/13/2011

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: VV0016
Date: 3/22/11
START member who completed this form: O. GARREN
Other START members: P. VASQUEZ

Ludlum #: 149959
Detector #: PR033908

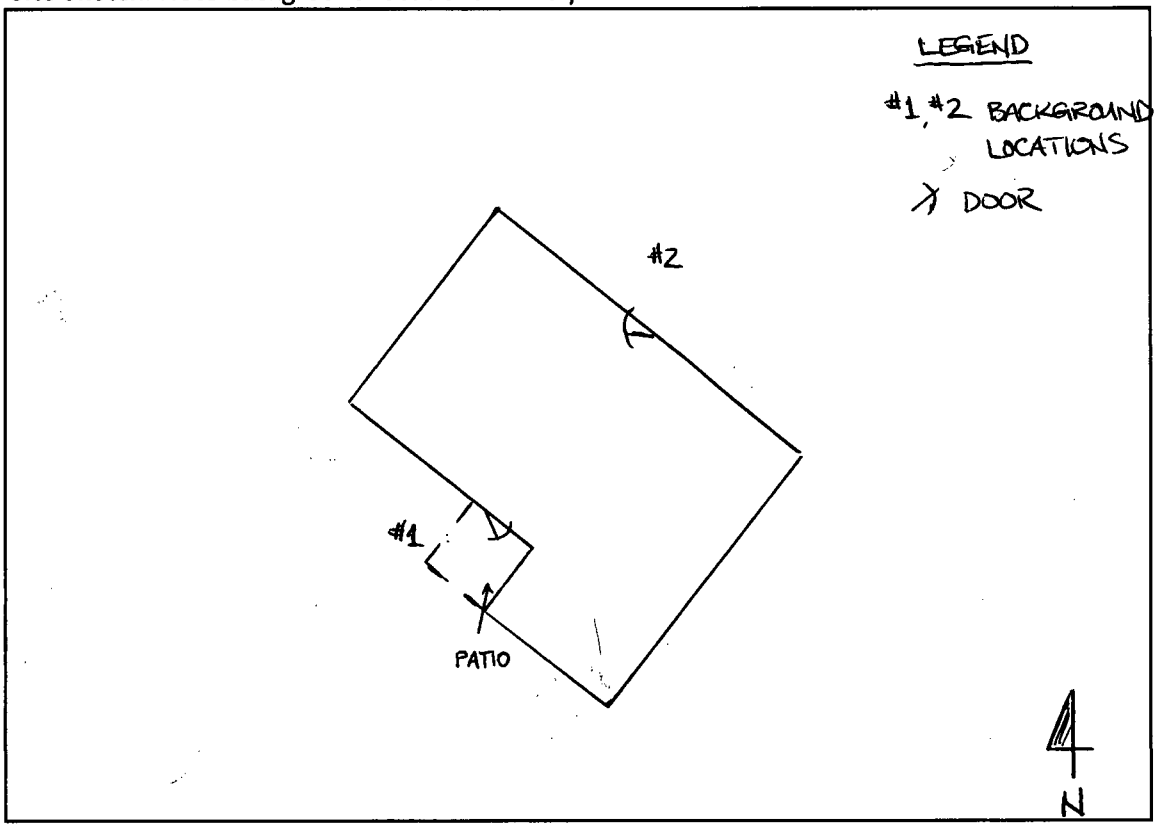
Background #1

1-min scaler time: 1404
1-min scaler reading: 10,432
Location description: WEST OF FRONT DOOR IN YARD
Photo time: 1404
Photo description: FACING NE; LAT: 35.229836 LONG: -107.89073

Background #2

1-min scaler time: 1410
1-min scaler reading: 9753
Location description: BACKYARD; CORNER OF CONCRETE AT BACK DOOR
Photo time: 1410
Photo description: FACING SW; LAT: 35. LONG: -107.

Site Sketch: Note background locations in the yard relative to the home.

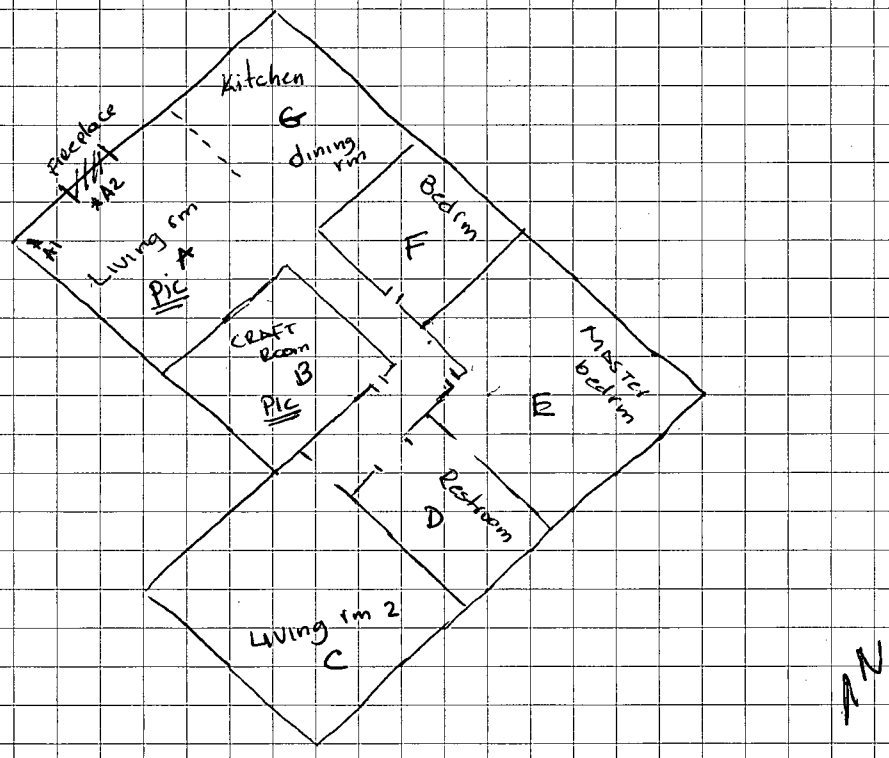


San Mateo/Oak Canyon
Phase 2 House Sketch

Date: 3/22/11 Property ID: VV0016

Start Team Members: VASQUEZ / Garren

Wipe Samples taken at A1 and A2. ID as VV0016-A1-11-110322 and VV0016-A2-11-110322



Landauer Alpha Track-Etch	Outdoor Radon	PV0130	1/19/2011	
Landauer Alpha Track-Etch	Indoor Radon	PV0136	10/21/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0136	10/21/2010	
Landauer Alpha Track-Etch	Indoor Radon	PV0136	10/21/2010	1/12/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0136	10/21/2010	1/13/2011
Landauer Alpha Track-Etch	Outdoor Radon	PV0136	1/13/2011	
Landauer Alpha Track-Etch	Indoor Radon	PV0136	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	PV0136	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	PV0136	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	PV0136	1/12/2011	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0001	10/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0001	10/15/2010	1/18/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0001	10/15/2010	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0001	1/18/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0001	1/18/2011	
EPA Las Vegas Charcoal Canister	Indoor Radon	VV0003	1/11/2011	1/18/2011
EPA Las Vegas Charcoal Canister	Indoor Radon	VV0003	1/11/2011	1/18/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0003	9/15/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0003	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0003	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0003	9/15/2010	1/11/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0003	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0003	1/11/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0003	1/11/2011	
RAdata LCS Vial	Radon in Groundwater	VV0003	11/17/2010	11/17/2010
RAdata LCS Vial	Radon in Groundwater	VV0003	11/17/2010	11/17/2010
Landauer Alpha Track-Etch	Indoor Radon	VV0004	10/19/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0004	10/19/2010	1/14/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0004	10/19/2010	1/14/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0004	1/14/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0004	1/14/2011	
Landauer Alpha Track-Etch	Indoor Radon	VV0013	9/15/2010	

San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: UV0017
Date: 3/23/2011
START member (who completed this form): Vasquez
Additional START members: O. Garcia.

Outdoor background readings
1 11006
2 11364
3
4
5

PIC SN: #5
Ludlum SN: 149959 PR033908
2x2 SN:
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 11900

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
Room A	1432	1437	9457	1439	7
Room B	1442	1447	9693	1448	12
Room D	—	—	—	—	8
Room E	—	—	—	—	2
Room F	—	—	—	—	12
Room G	—	—	—	—	6

PIC time On: 1419
PIC time Off: 1500

1200

room	9					9
room	4					15
room	5					5
room	6					2
						15
						4

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Indoor Activities

Property ID: VV0017
Date: 3/23/11
START member who completed this form: VASQUEZ
Other START members: O. Gamez
PIC # #5
Ludlum #: 149959 Ludlum #: NA
Detector #: PRØ339Ø8 Detector #: NA

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch								
Ludlum readings walking from outside to inside	1330							
Readings (cpm): 10,300-12,900 OUT 11,600 8,000-10,200 IN 9,200								
Scan of entire house 8,200-11,600 AVE: 10,000	1345							
Anomalous readings:								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,900							
Start scan of room		1400	1420					
Set up PIC in room		1418	1440					
Photo of PIC in room (note in photo log)		1420	1445					
Turn PIC on		1419						
Start 5-min stabilization period		1421						
End 5-min stabilization period		1426						
1-min scaler reading with Ludlum next to PIC		1439	1448					
Reading:		9457	9693					
Start 5-min recording period		1432	1442					
End 5-min recording period		1437	1447					
Download data. Save file. Clear data.			1453					
Turn PIC off			1500					

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: VV0017
Date: 3/23/11
START member who completed this form: Vasquez
Additional START members: O. Gomez
Ludlum #: 149959
Detector #: PR033908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm):

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
Room A	1410	10,500	8,500	F: 8800-11500 W: 7000-13,000 1 WIPE Sample.
Room B	1420	10,200	9200	F: 8900-11,500 W: 7,200-11,500
Room C	1433	10200	8600	F: 9400-11500 W: 7400-10500
Room D	1443	10600	9600	F: 9700-11700 W: 8400-11600
Room E	1448	9700	8800	F: 8200-10800 W: 6400-9800
Room F	1452	9400	8500	F: 7900-10,900 W: 6900-9900
Room G	1457	9200	8,400	F: 8,000-11,200 W: 6,500-9400

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: VV0017
Date: 3/23/11
START member who completed this form: O. GARREN
Other START members: P. VASQUEZ

Ludlum #: 149959
Detector #: PR033908

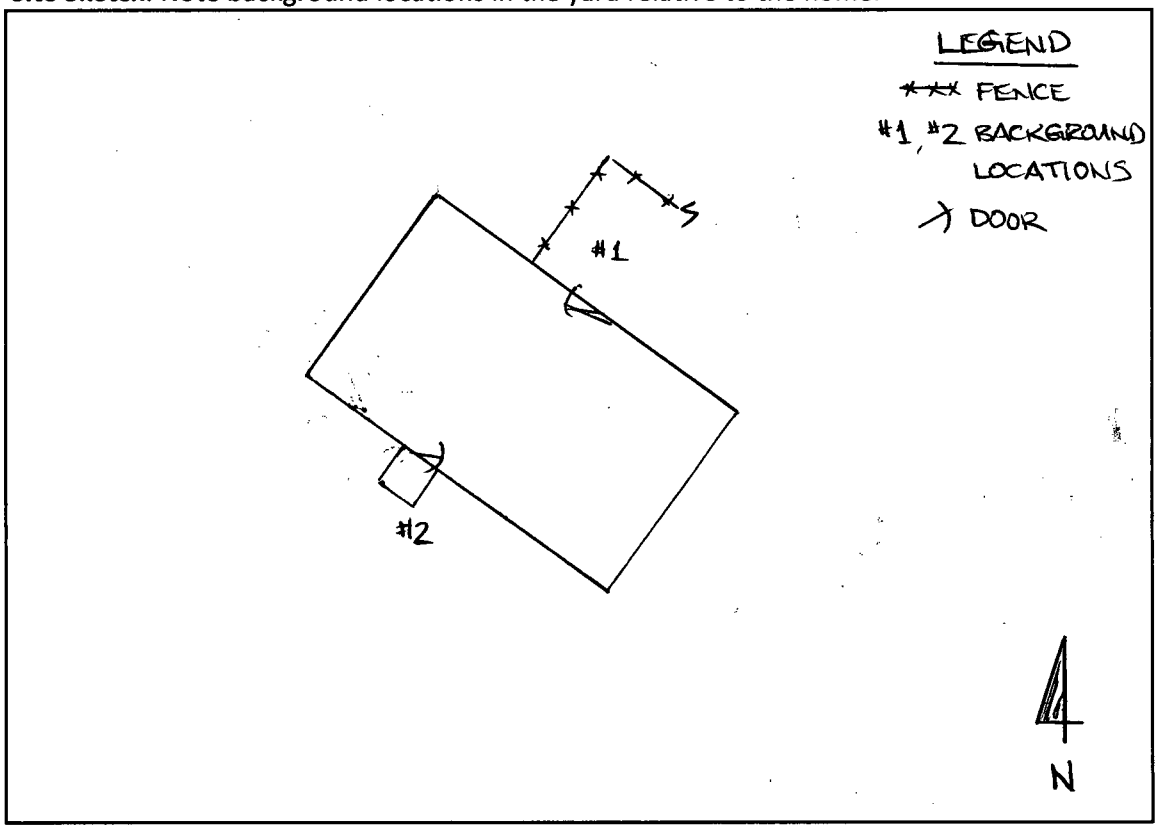
Background #1

1-min scaler time: 1336
1-min scaler reading: 11006
Location description: FRONT YARD; NEAR SWAMP COOLER
Photo time: 1330
Photo description: FACING SW; LAT: 35.22093 LONG: -107.89074

Background #2

1-min scaler time: 1137
1-min scaler reading: 11364
Location description: BACK YARD; SOUTH CORNER OF CONCRETE PATIO
Photo time: 1138
Photo description: FACING NE; LAT: 35.229088 LONG: -107.89077

Site Sketch: Note background locations in the yard relative to the home.



For health related questions call the
New Mexico Department of Health:
888.878.8992 (toll-free)
Visit: www.nmhealth.org/eheb/

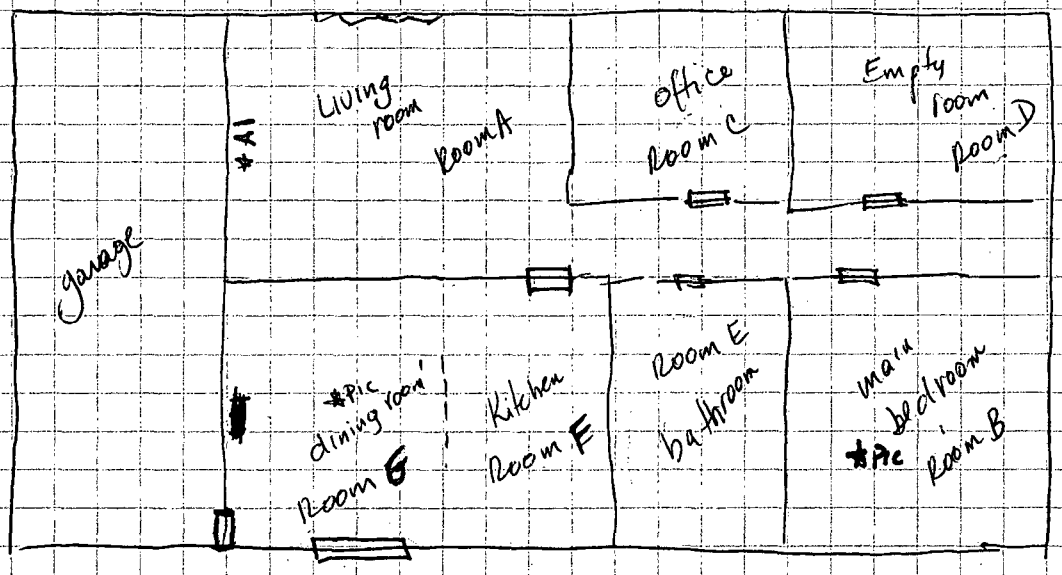
For water related questions call the
New Mexico Environment Department:
877.654.8720 (toll-free)
Visit: www.nmenv.state.nm.us
Visit: http://safewater.state.nm.us

NEW MEXICO
DEPARTMENT OF
HEALTH

San Mateo/Oak Canyon
Phase 2 House Sketch

Date: VV0017 3/23/11 Property ID: VV0017

Start Team Members:



*A1 - Wipe Sample 1
*Pic locations

San Mateo/Oak Canyon Structural Assessment Project

INDOOR MEASUREMENTS FORM

Property ID: VVQQ4Q

Date: 2/10/11

START member (who completed this form): T. Evans

Additional START members: S. Wright

Outdoor background readings

1 10885 cpm at 1306

2 10373

3

4

5

PIC SN: 5(Q1D22ZQ2)

Ludlum SN: 149959

2x2 SN: PRQ339Q8

Model 19 SN:

Model 03 SN:

Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 12,100 (10,200 + 1,900 cpm)

Make sure to set PIC time to computer time

Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
VVQQ4Q-A	1348	1353	8812	1347	4
-B	1355	1400	9181	1403	9
-C					-0-1
-D					1
-E					0-1
-F					0-1
-G					2
-H					2
-I					2
-J	1431	1436	10799	1437	2

PIC time On: 1341

PIC time Off: ~~1538~~ 1438

Oak Canyon/San Mateo Assessment

PHASE II - Indoor Assessments

Indoor Activities

Property ID: ~~VVQQ30~~ VVQQ4Q

Date: 2/10/11

START member who completed this form: T. Evans

Other START members: S. Wright

PIC # 5 (Q1022202)

Ludlum #: 149959 Ludlum #: /

Detector #: PRQ33908 Detector #: /

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G	H	I	J
Draw site sketch	1315										
Ludlum readings walking from outside to inside	1323										
Readings (cpm): outside: 7,200 - 8,600 inside: 8,800 - 10,500											
Scan of entire house general: 8,000 - 13,000	1325										
Anomalous readings: average: 10,200											
Indoor Threshold (Average + 1,900 cpm) (cpm):	12,100										
Start scan of room		1333	1339	1348	1351	1353	1357	1404	1411	1415	1421
Set up PIC in room		1335	1354	|	|	|	|	|	|	|	1429
Photo of PIC in room (note in photo log)		1337	1356	|	|	|	|	|	|	|	1430
Turn PIC on		1341									
Start 5-min stabilization period		1341									
End 5-min stabilization period		1346									
1-min scaler reading with Ludlum next to PIC		1347	1403	|	|	|	|	|	|	|	1437
Reading:		8812	9181	|	|	|	|	|	|	|	10799
Start 5-min recording period		1348	1355	|	|	|	|	|	|	|	1431
End 5-min recording period		1353	1400	|	|	|	|	|	|	|	1436
Download data. Save file. Clear data.			|	|	|	|	|	|	|	|	
Turn PIC off			|	|	|	|	|	|	|	|	1438

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: VV0040
Date: 2/10/11
START member who completed this form: T. Evans
Additional START members: J. Wright
Ludlum #: 149959
Detector #: PR033908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 12,100

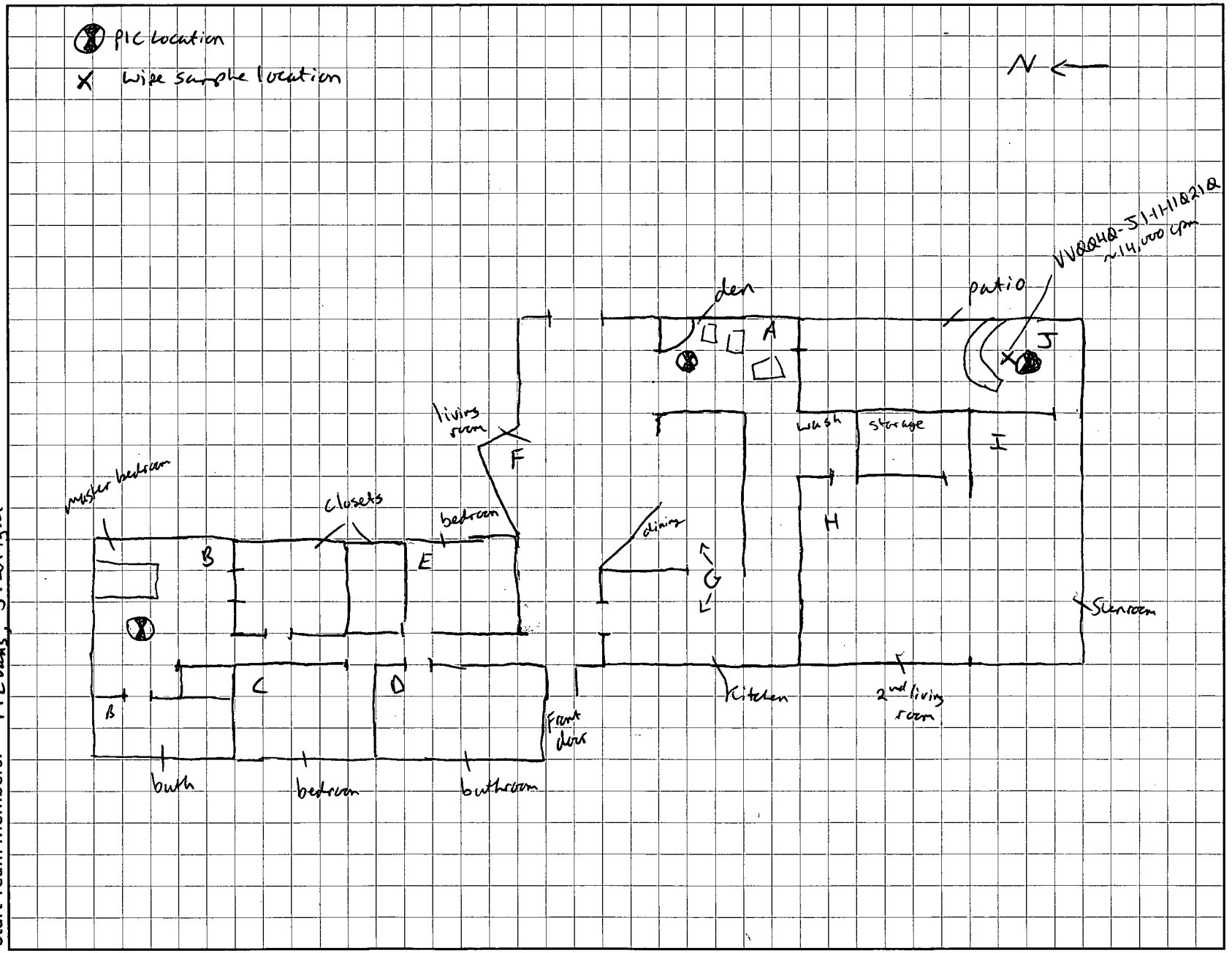
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
W0040-A	1333	7,800-11,200	6,600-9,400	none
-B	1339	8,500-11,000	6,100-10,200	none
-C	1348	8,500-10,600	6,800-10,300	none
-D	1351	9,400-11,500	6,700-10,000	none
-E	1353	8,700-11,200	7,100-9,400	none
-F	1357	8,300-11,500	7,700-10,500	none
-G	1404	8,400-11,200	6,700-10,300	none
-H	1411	6,800-9,400	6,500-8,500	none
-I	1415	7,800-10,500	6,900-11,000	none
-J	1421	9,800-13,800	7,800-9,600	one wipe on floor at south end next to bench.

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: VVQQ4Q

Date: 2/10/11

Start Team Members: T. Evans, J. Wright



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: VV00040
Date: 2/10/11
START member who completed this form: J. Wright
Other START members: T. Evans

Ludlum #: 149959
Detector #: PR033908

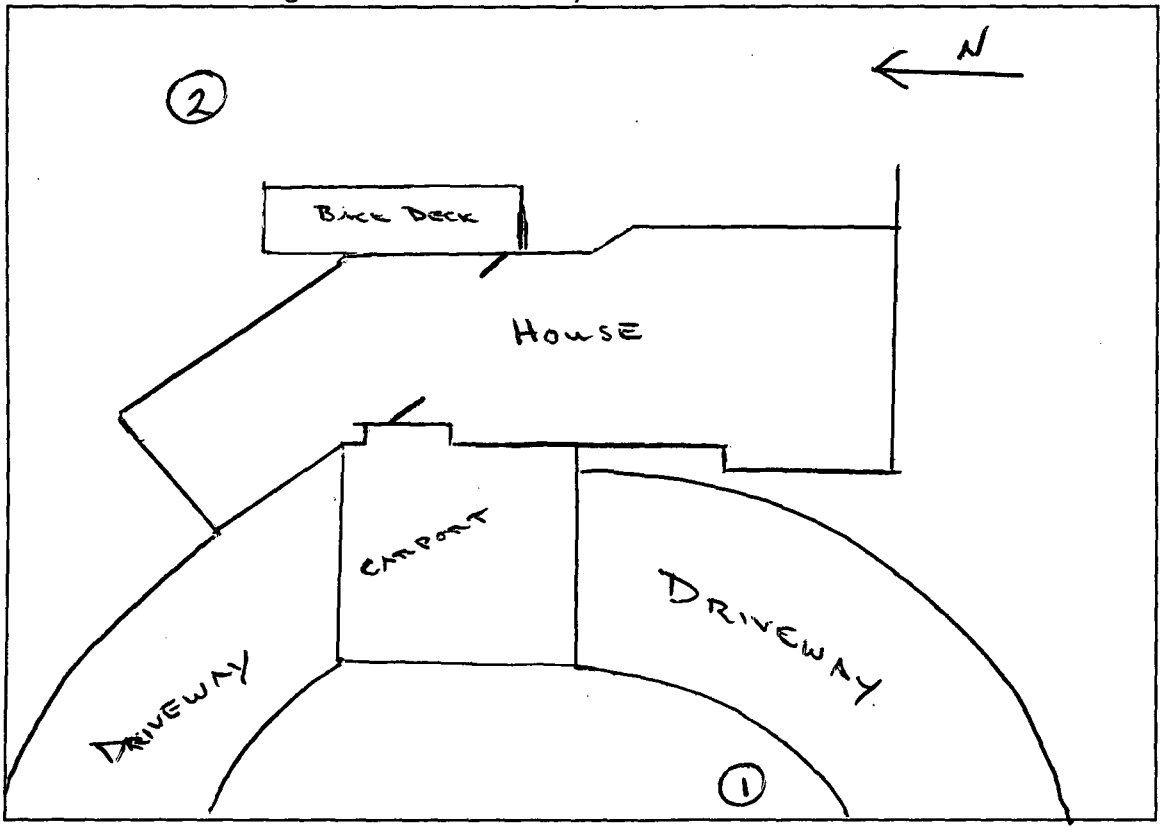
Background #1

1-min scaler time: 1306
1-min scaler reading: 10885
Location description: Front Yard Background Located SW of Carport in Dirt Area
Photo time: 1311
Photo description: Front Yard Background Location Noted By Ludlum.

Background #2

1-min scaler time: 1316
1-min scaler reading: 10373
Location description: Back Yard Background Located NE of Back Deck in Grass Area
Photo time: 1319
Photo description: Back Yard Background Location Noted By Ludlum.

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: VVQQ43
Date: 3/16/11
START member (who completed this form): J. Evans
Additional START members: J. Wright, P. Vasquez

Outdoor background readings
1 10403 cpm
2 11757 cpm
3
4
5

PIC SN: 5(Q1D22)Q2)
Ludlum SN: 149959
2x2 SN: PRQ33988
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,500 + 1,900 = 11,400

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
VVQQ43-A	1447	1452	9330	1446	6
-B	1456	1501	~~B~~ 7528	1503	7
-C					1
-D					2
-E	1509	1514	9124	1519	1
-F	1521	1526	9649	1531	0-1
-G	1533	1538	9510	1539	0
-H					0-1
-I					1

PIC time On: 1440
PIC time Off: 1540

Oak Canyon/San Mateo Assessment

PHASE II - Indoor Assessments

Indoor Activities

Property ID: ~~[illegible]~~ VVQQ43

Date: 3/16/11

START member who completed this form: T. Evans

Other START members: J. Wright, P. Vasquez

PIC # 5(Q1D22702)

Ludlum #: 149959 Ludlum #: —

Detector #: PRQ33928 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G	H	I
Draw site sketch	1503	?								
Ludlum readings walking from outside to inside	1419									
Readings (cpm): outside: 10,800-12,000 inside: 8,700-9,500										
Scan of entire house; range: 5000-12,000	1420									
Average reading: 9,500										
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,400									
Start scan of room		1431	1443	1443	1449	1453	1505	1511	1521	1525
Set up PIC in room		1410	1455			1508	1520	1532		
Photo of PIC in room (note in photo log)		1423	1458			1511	1524	1533		
Turn PIC on		1440								
Start 5-min stabilization period		1440								
End 5-min stabilization period		1445								
1-min scaler reading with Ludlum next to PIC		1446	1503			1519	1531	1539		
Reading:		9330	~~1326~~ 1528			9124	9649	9510		
Start 5-min recording period		1447	1456			1509	1521	1533		
End 5-min recording period		1452	1501			1514	1526	1538		
Download data. Save file. Clear data.								1542		
Turn PIC off								1540		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments
Room Scans

Property ID: VVQQ43
Date: 3/16/11
START member who completed this form: J. Evans
Additional START members: J. Wright, P. Vasquez
Ludlum #: 149959
Detector #: PRQ339Q8

**Scan every room in the house noting general readings, plus any anomalous readings
THRESHOLD (cpm): 11,400

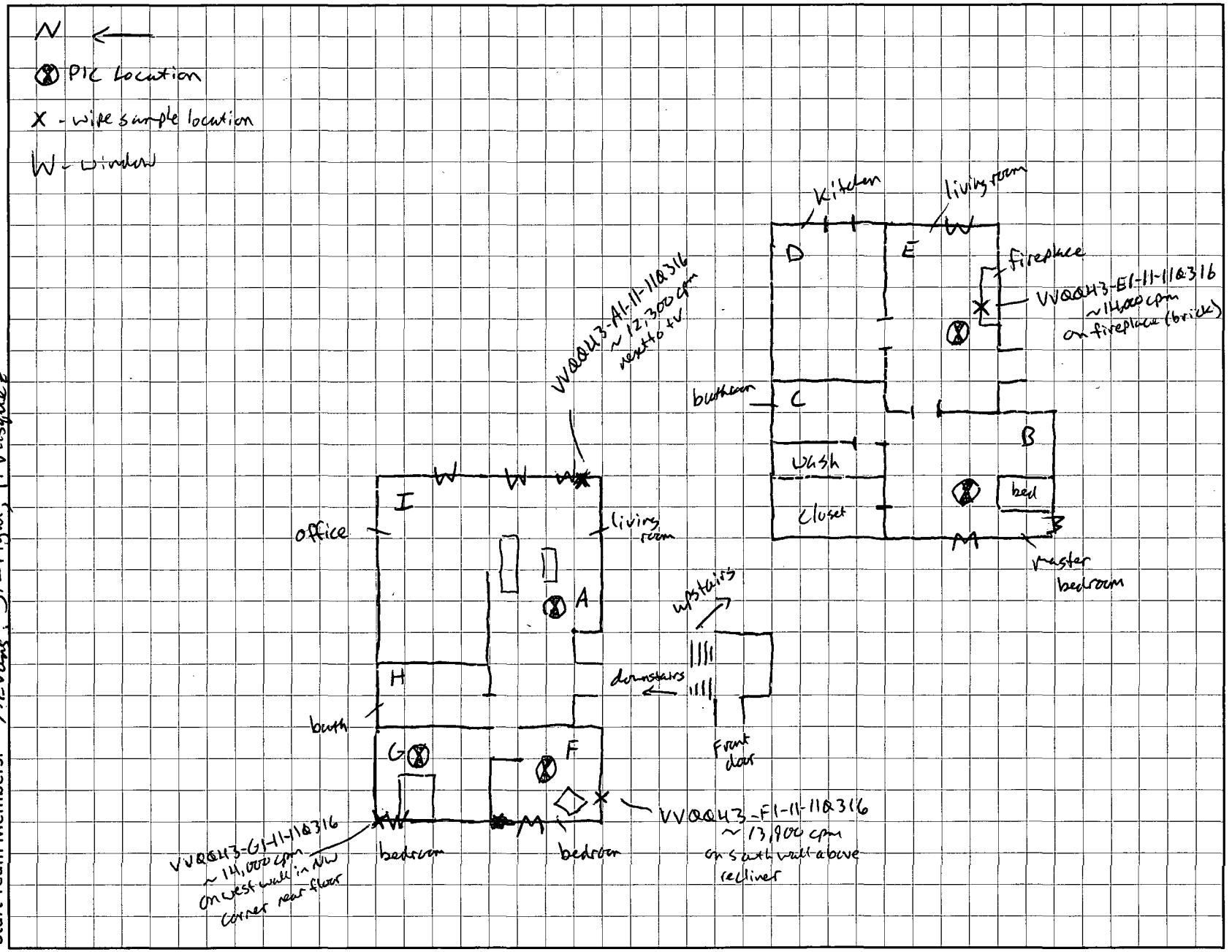
Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
VVQQ43-A	1431	11,900 8600	7,700-12,300 11,700	on east wall next to tv. 11,700 on floor is adjacent to 12,300 reading on wall
-B	1440	7,000-8,800	7,100-9,400	none
-C	1443	6,600-7,800	6,100-7,100	none
-D	1449	6,100-9,900	6,100-10,000	none
-E	1453	7,100-10,300	7,100-14,000	on bricks at fireplace
-F	1505	9,100-11,200	8,100-13,900	on south wall above recliner
-G	1511	9,100-12,000	8,500-14,000	on West wall in NW corner 12,000 spot on floor is next to wall
-H	1521	7,100-11,100	7,500-10,200	none
-I	1525	7,600-11,100	7,900-11,000	none.

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: VV0043

Date: 3/16/11

Start Team Members: T. Evans, J. Wright, P. Vasquez



Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: VV0043
Date: 3/16/11
START member who completed this form: J. WRIGHT
Other START members: T. EVANS / P. VASQUEZ

Ludlum #: 149959
Detector #: PR033908

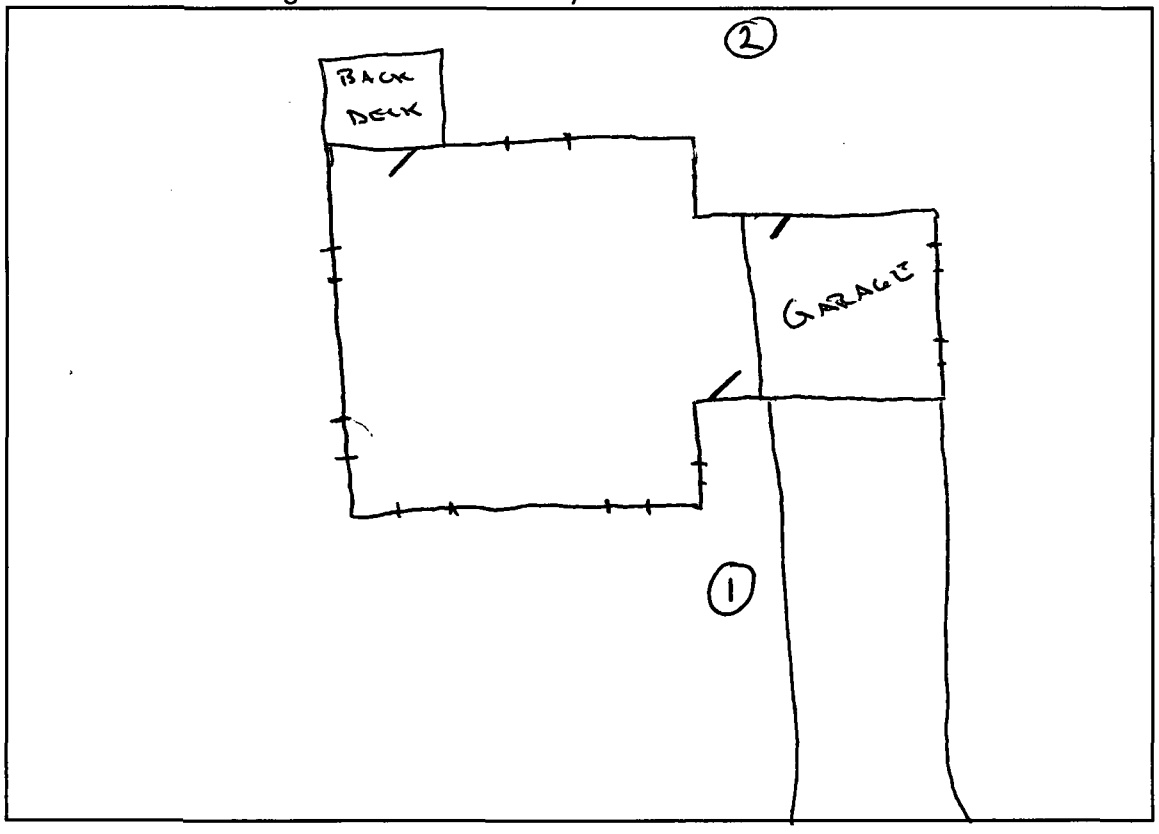
Background #1

1-min scaler time: 1412
1-min scaler reading: 10403
Location description: FRONT YARD BACKGROUND LOCATED WEST OF FRONT DOOR IN DIRT AREA
Photo time:
Photo description: FRONT YARD BACKGROUND LOCATION NOTED BY LUDLUM

Background #2

1-min scaler time: 1416
1-min scaler reading: 11757
Location description: BACK YARD BACKGROUND LOCATED
Photo time:
Photo description: BACK YARD BACKGROUND LOCATION NOTED BY LUDLUM

Site Sketch: Note background locations in the yard relative to the home.



San Mateo/Oak Canyon Structural Assessment Project
INDOOR MEASUREMENTS FORM

Property ID: VV0061
Date: 2/26/11
START member (who completed this form): J. Evans
Additional START members: D. Garren

Outdoor background readings
1 10073 01305
2 9983
3
4
5

PIC SN: 5(01022702)
Ludlum SN: 149959
2x2 SN: PR033908
Model 19 SN:
Model 03 SN:
Model 12 SN:

Indoor Threshold (Average reading + 1900 cpm): 9,400 + 1,900 = 11,300

Make sure to set PIC time to computer time
Be sure to set your watch to the PIC time before collecting data

Room	PIC Start Time	PIC End Time	PIC Scaler Reading (cpm)	PIC Scaler Time	Avg time spent in room (hrs/day)
VV0061-A	1338	1343	8183	1347	16
-B	1349	1354	11204	1405	6
-C	1407	1412	10081	1415	0-1
-D					0-1
-E	1417	1422	10581	1423	0-1
-F					0-1
-G					0-1

PIC time On: 1333
PIC time Off: 1424

In spare bedroom, corner behind door	N	Y		
In side room on overhead wood beam	Y	N		
On east property fence at post adjactent to home	Y	N		
In side room on overhead wood beam	Y	N		
On east property fence at post adjactent to home	Y	N		
	N	N		
	N	N		
Family room by backdoor and hallway next to smoke detector	N	Y		
Kitchin/dining area by door ot master bedroom above smoke detector	Y	N		
On north fence line directly on metal links behind large storage shed/old trailer home	Y	N		
Kitchin/dining area by door ot master bedroom above smoke detector	Y	N		
On north fence line directly on metal links behind large storage shed/old trailer home	Y	N		
East wall of kitchen	N	Y		
East wall of kitchen	N	Y		QC for 4795117; Annual detector
west wall on right side of window	Y	N		
West fence in driveway	Y	N		
west wall on right side of window	Y	N		

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Indoor Activities

Property ID: VVQQ61
Date: 2/26/11
START member who completed this form: T. Evans
Other START members: O. Garren
PIC # 5(Q1D227Q2)
Ludlum #: 149959 Ludlum #: —
Detector #: PRQ339Q8 Detector #: —

Indoor Activity	TIMES	Room A	Room B	Room C	Room D	Room E	Room F	Room G
Draw site sketch	1305							
Ludlum readings walking from outside to inside	1313							
Readings (cpm): outside: 7,400-8,600 inside: 7,900-10,100								
Scan of entire house general: 7,600-10,900	1317							
Anomalous readings: average: 9,400								
Indoor Threshold (Average + 1,900 cpm) (cpm):	11,300							
Start scan of room		1326	1333	1338	1348	1352	1406	1410
Set up PIC in room		1322	1348	1406	|	1416	|	|
Photo of PIC in room (note in photo log)		1323	1350	1408	|	1417	|	|
Turn PIC on		1333						
Start 5-min stabilization period		1333						
End 5-min stabilization period		1338						
1-min scaler reading with Ludlum next to PIC		1347	1405	1415	|	1423	|	|
Reading:		8183	11,204	10081	|	10581	|	|
Start 5-min recording period		1338	1349	1407	|	1417	|	|
End 5-min recording period		1343	1354	1412	|	1422	|	|
Download data. Save file. Clear data.			|	|	|	1427	|	|
Turn PIC off			|	|	|	1424	|	|

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Room Scans

Property ID: VVQQ61
Date: 2/26/11
START member who completed this form: T. Evans
Additional START members: O. Gurren
Ludlum #: 149959
Detector #: PRQ33908

**Scan every room in the house noting general readings, plus any anomalous readings

THRESHOLD (cpm): 11,300

Room ID	Time	Readings along floor (cpm)	Readings along walls (cpm)	Anomalous readings (note location in room)
VVQQ61-A	1326	7,200-10,100	6,600-9,200	none
-B	1333	9,000-16,400	7,200-14,500	on fireplace
-C	1338	8,000-10,700	6,400-12,800	on shower wall (south)
-D	1348	7,200-10,500	6,700-10,300	none
-E	1352	7,600-11,200	7,000-14,500	on petrified wood wall in upper left corner
-F	1406	7,800-10,500	6,700-10,000	none
-G	1410	7,500-10,700	6,800-9,200	none

How can people protect themselves from uranium exposure?

- **1. By knowing about the potential sources of uranium exposure:**
  - Water: drinking, cooking, irrigation of crops, livestock watering
  - Food/Herbal remedies: grown in uranium-contaminated soil or irrigated with uranium-contaminated water
  - Activities in uranium-contaminated areas: hiking, biking, running, collecting plants

Oak Canyon/San Mateo Assessment
PHASE II - Indoor Assessments

Outdoor Background Locations

Property ID: VV0061
Date:
START member who completed this form: O. GARREN
Other START members: T. EVANS

Ludlum #: 149959
Detector #: PR033928

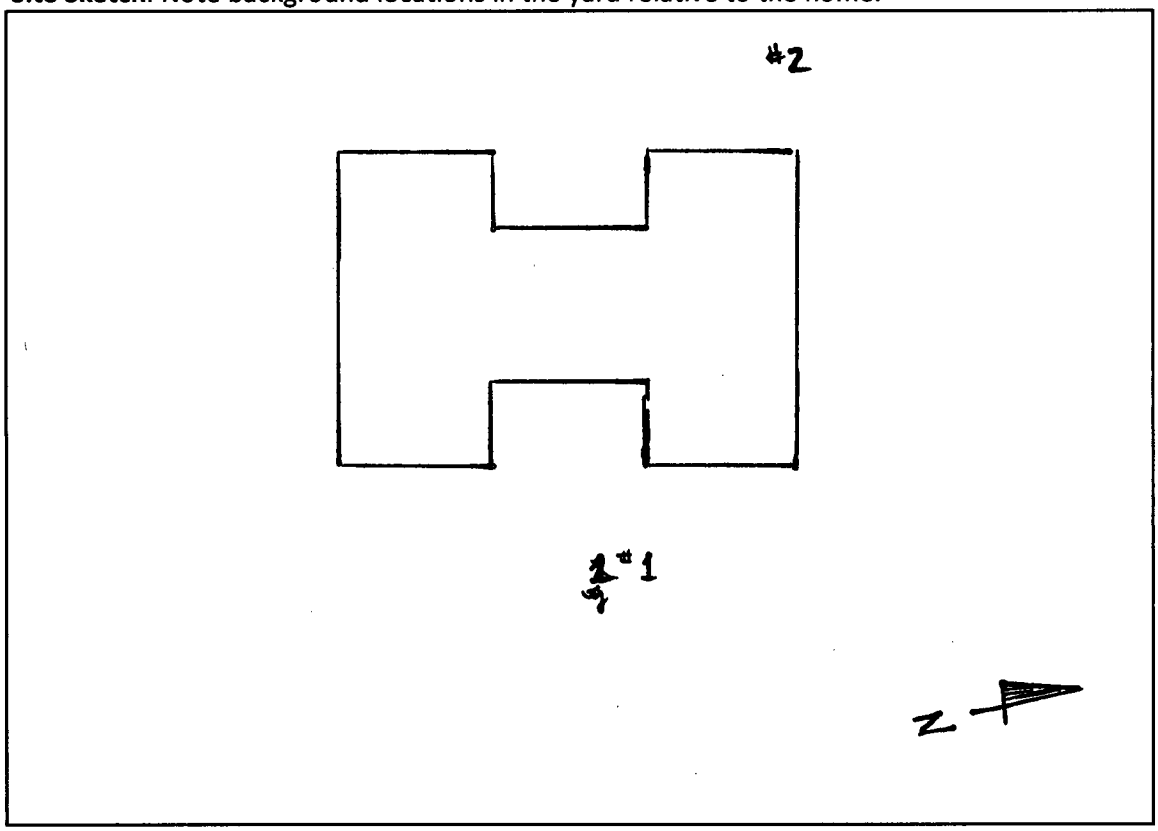
Background #1

1-min scaler time: 1305
1-min scaler reading: 10073
Location description: FRONT YARD/DRIVEWAY
Photo time: 1303
Photo description: FACING WEST; LAT: 35.227995 LONG: -107.89205

Background #2

1-min scaler time: 1306
1-min scaler reading: 9983
Location description: BACK YARD
Photo time: 1304
Photo description: FACING EAST ; LAT: 35.227891 LONG: -107.89231

Site Sketch: Note background locations in the yard relative to the home.



.005.0538.01

nent Phase 2 Team 1

obody here.

'obody here.

Nobody here.

ute.

The daughter of the homeowner

eam I spoke with was not

d to be done. He said he would

we stopped by.

Return to CP.

ul equipment. Scan and

RM. Source check Ludlum

schedule Phase 2 appt in

M checklists.

2/21/11

2/24/2011 San Mateo Assessment

TEAM: Patrick Bond (PB), Philip Walsh (PW), Kieth Delhomme (KD)

WEATHER: Partly Cloudy, High: 49°F, Winds: WNW @ 20 mph, Precip: 10%

PANASONIC: 540693 PBA: RFW23713 GPS: RFW21031

Ludlum Model 3: RFW20515 LUDLUM: 94943 / PR114847

0730: Team arrives at command post for Safety mtg.
START - Delhomme (Drive carefully; slips, trips, falls)
PPE - Level D, Chemical; Radiological concerns: U238
Load equipment for Residential U238 Assessment in
San Mateo, NM. — PB

0920 Team departs for SM9000 to conduct RAT
assessment of the area currently under
consideration for relocating the trailer. — PB

1000 Team arrives at SM9000 for RAT Assessment — PB

1030 START - Walsh begins RAT assessment within the
predetermined area which is outlined with blue
pinflags. Area is WNW of current homesite and
it follows along the edge of an arroyo. — PB

1045 START - Delhomme and EPA - Rinehart arrive on site
to place charcoal radon canisters within the crawl
space underneath the trailer — PB

1537 Photos taken of soil "cut" area on the North side
of current home location. Two photos were taken, one
facing in South direction and one taken to the NE direction

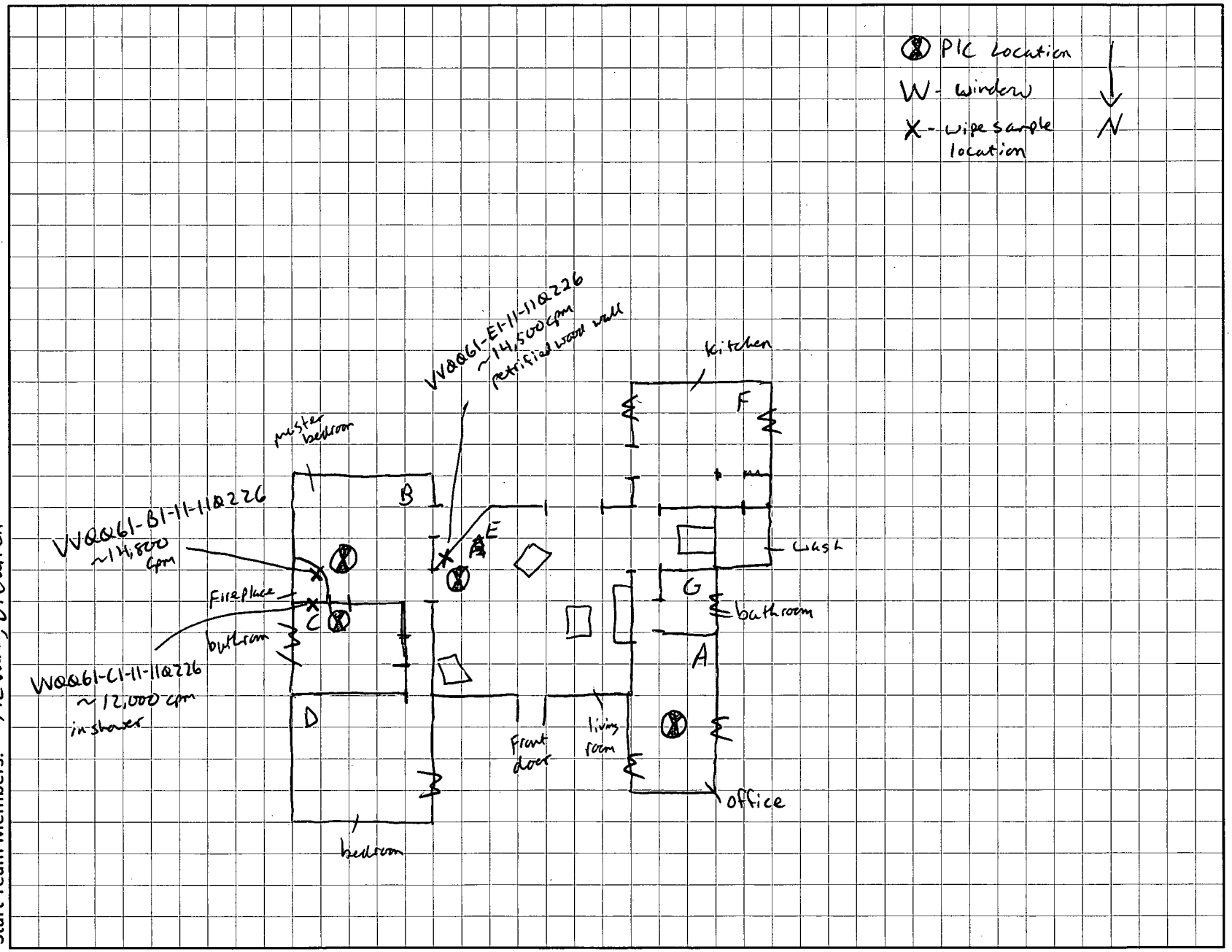
1545 One photo taken of the door that enters the crawl
space beneath the home where two radon canisters were placed

San Mateo/Oak Canyon
Phase 2 House Sketch

Property ID: VVQQ61

Date: 2/26/11

Start Team Members: T. Evans, D. Curren



Landauer Alpha Track-Etch	Indoor Radon	VV0041	9/14/2010	1/16/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0041	9/14/2010	1/13/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0041	1/16/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0041	1/13/2011	
RAdata Charcoal Canister	Indoor Radon	VV0041	1/11/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	VV0041	1/11/2011	1/16/2011
RAdata LCS Vial	Radon in Groundwater	VV0041	11/17/2010	11/17/2010
RAdata LCS Vial	Radon in Groundwater	VV0041	11/17/2010	11/17/2010
Landauer Alpha Track-Etch	Indoor Radon	VV0043	9/14/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0043	9/14/2010	1/15/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0043	9/14/2010	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0043	1/15/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0043	1/15/2011	
RAdata Charcoal Canister	Indoor Radon	VV0043	1/11/2011	1/15/2011
RAdata Charcoal Canister	Indoor Radon	VV0043	1/11/2011	1/15/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0059	10/10/2010	
Landauer Alpha Track-Etch	Indoor Radon	VV0059	10/10/2010	1/12/2011
Landauer Alpha Track-Etch	Outdoor Radon	VV0059	10/10/2010	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0059	1/12/2011	
Landauer Alpha Track-Etch	Outdoor Radon	VV0059	1/16/2011	
RAdata Charcoal Canister	Indoor Radon	VV0059	1/12/2011	1/16/2011
RAdata Charcoal Canister	Indoor Radon	VV0059	1/12/2011	1/16/2011
Landauer Alpha Track-Etch	Indoor Radon	VV0061	9/15/2010	

HOMESTAKE AREA RADON

BV0114
BV0146

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0005
Date: 8/2/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4833015
START I.D. # MA0005-04-A
Detector OPEN (date/time) 8/2/11 1724
micro-R reading 8
Detector CLOSE (date/time) 11/10/11 1022
micro-R reading 11

Q4 indoor

Detector # 4832986
START I.D. # MA0005-04-D
Detector OPEN (date/time) 8/2/11 1736
micro-R reading 11
Detector CLOSE (date/time) 11/10/11 1033
micro-R reading 12

Q4 Outdoor

Detector# 4795083
START I.D.# MA0005-01-B
Detector OPEN(date/time) 9/14/10 1200
micro-R reading —
Detector CLOSE (date/time) 11/10/11 1025
micro-R reading 13

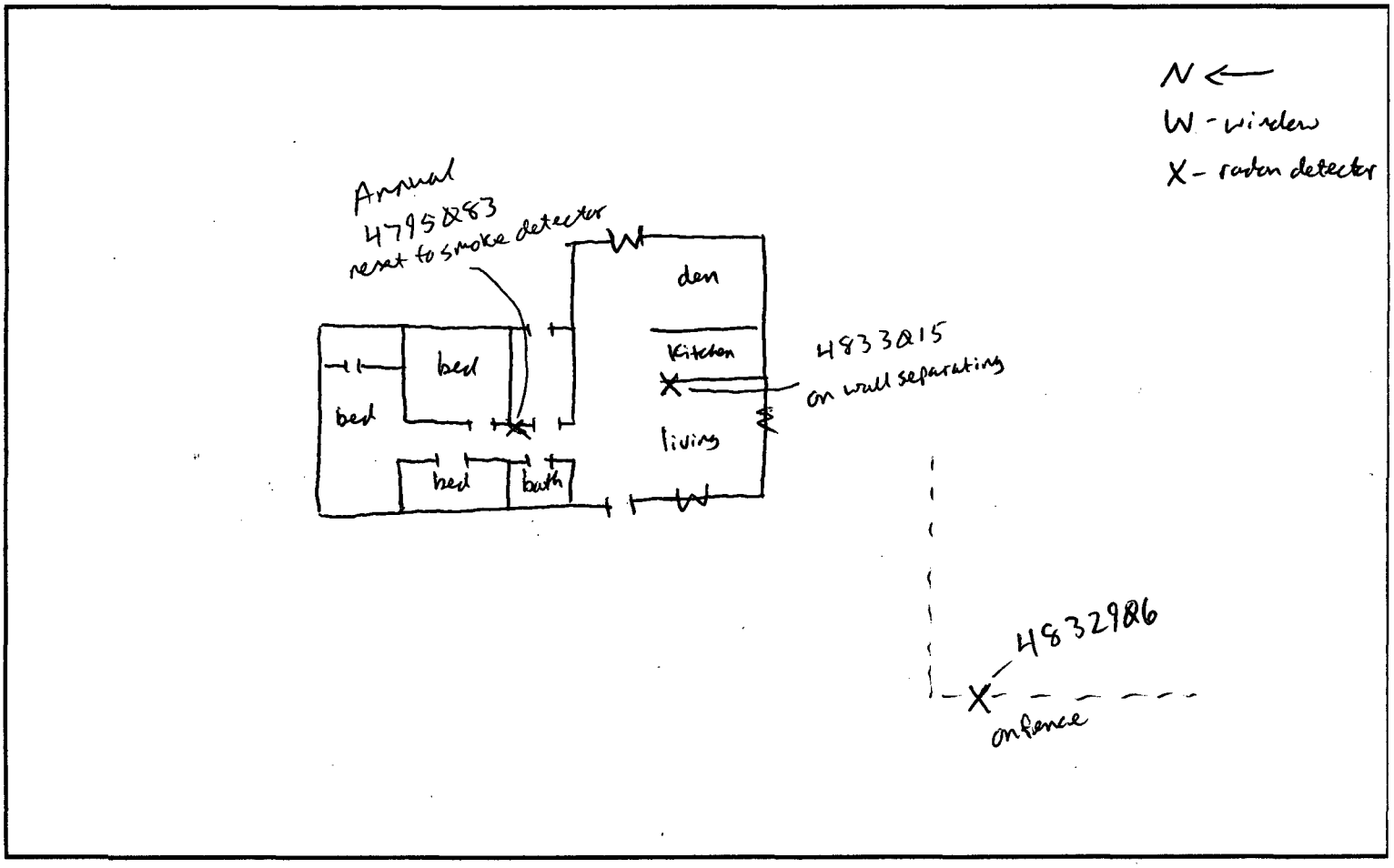
Annual

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



* Pickup occured after allowed time of exposure
Sent to lab to confirm

Homestake Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: VV0001
Date: 4/26/11
START Team Member (who completed this form): O. Garren
Additional START Team Members: T. Sulaiman

Canister # (stamped in red) 717133
START I.D. # VV0001-B
Canister OPEN (date/time) 4/26/11 @ 1011
Canister CLOSE (date/time) 5/3/11 @ 1345

Canister # (stamped in red) 717147
START I.D. # VV0001-A
Canister OPEN (date/time) 4/26/11 @ 1011
Canister CLOSE (date/time) 5/3/11 @ 1345

FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

PICK UP ON SATURDAY NO LATER THAN 1000 hrs.

RADON CANISTER PLACEMENT SKETCH
Indoor Area Only (where RADON canister is placed)

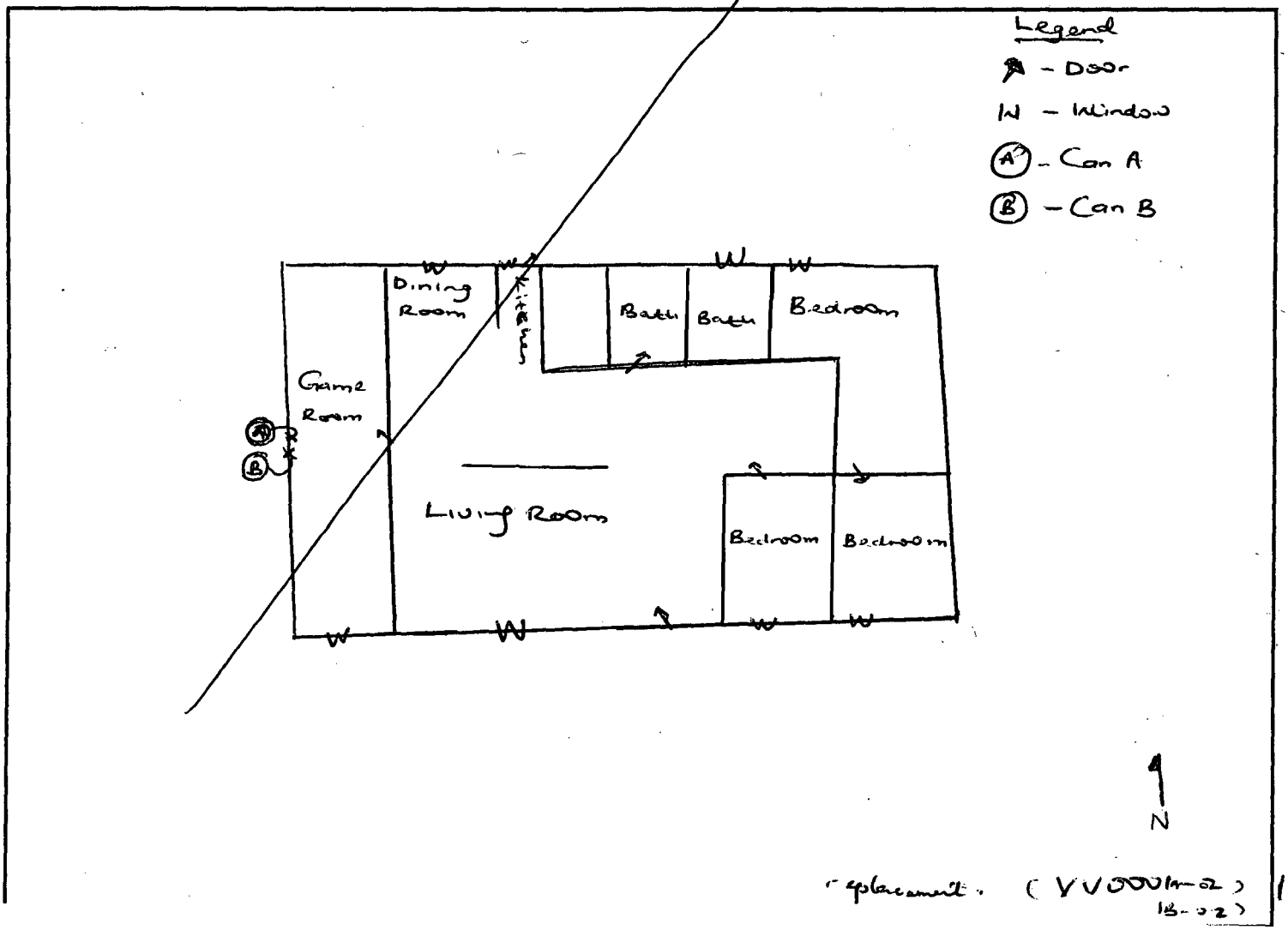
~~9:00~~ No later 10:00

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

#722251 B 1351 open

#722250 A



replacement. (VV0001A-02) 1
(B-02)

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ99
Date: 4/20/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4817408
START I.D. # MAQQ99-Q3-A
Detector OPEN (date/time) 4/20/11 1542
micro-R reading 8.0
Detector CLOSE (date/time) 8-12-11 1402
micro-R reading 9.0

Q3 indoor

Detector # 4783622
START I.D. # MAQQ99-Q3-D
Detector OPEN (date/time) 4/20/11 1550
micro-R reading 12.0
Detector CLOSE (date/time) 8-12-11 1417
micro-R reading 12

Q3 outdoor

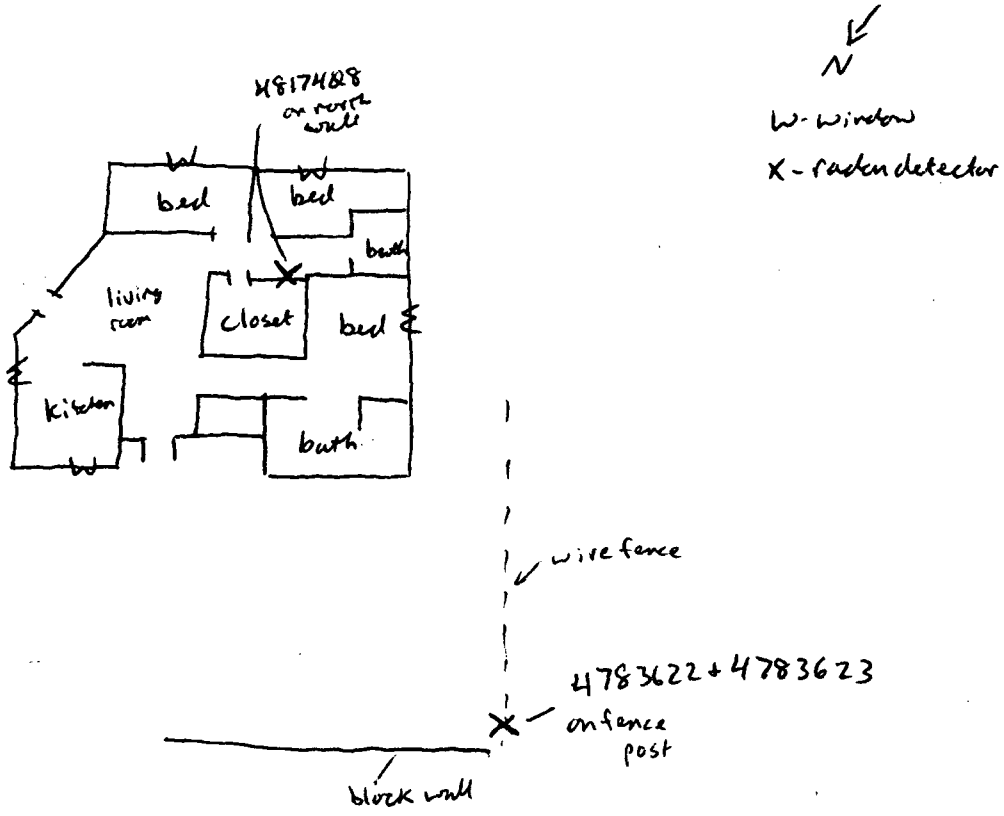
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY) 4783623
START I.D. # MAQQ99-Q3-E
Detector OPEN (date/time) 4/20/11 1550
micro-R reading 12.0
Detector CLOSE (date/time) 8-12-11 1417
micro-R reading 12

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ1
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817867
START I.D. # FMSØ1-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1103 Top
micro-R reading —

Detector # 4817868
START I.D. # FMSØ1-02-D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1103 Bottom
micro-R reading —

Detector# ~~4817868~~
START I.D.# ~~FMSØ1-02-~~
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ2
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817869
START I.D. # FMSØ2-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1118
micro-R reading —

Q2 Top

Detector # 4817927
START I.D. # FMSØ2-02-D
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1118
micro-R reading —

Q2 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ3
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817928
START I.D. # FMSØ3-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1134
micro-R reading —

Q2
Top

Detector # ~~Ftg~~ 4817929
START I.D. # FMSØ3-02-D
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1134
micro-R reading —

Q2
Bottom

Detector# _____
START I.D.# _____
Detector OPEN(date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS04
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817930
START I.D. # FMS04-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading –
Detector CLOSE (date/time) 5/02/11 @ 1150
micro-R reading –

Q2 Top

Detector # 4817879
START I.D. # FMS04-02-FD
Detector OPEN (date/time) 01/18/11
micro-R reading –
Detector CLOSE (date/time) 5/02/11 @ 1150
micro-R reading –

Q2 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ5
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817832
START I.D. # FMSØ5-02-A
Detector OPEN (date/time) Ø1/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1231
micro-R reading —

Q2 Top

Detector # 4817833
START I.D. # FMSØ5-02-D
Detector OPEN (date/time) Ø1/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1231
micro-R reading —

Q2 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ6
Date: 5/3/11
START Team Member (who completed this form): D. GARREN
Additional START Team Members: P. BOND

Detector # 4817850
START I.D. # FMSØ6-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1250
micro-R reading —

Q2
Top

Detector # 4817851
START I.D. # FMSØ6-02-C
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1250
micro-R reading —

Q2
Top Duplicate

Detector# 4817852
START I.D.# FMSØ6-02-D
Detector OPEN(date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1250
micro-R reading —

Q2
Bottom

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS07
Date: 5/2/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817835
START I.D. # FMS07-02-D
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1315
micro-R reading —

Q2
Bottom

Detector # 4817834
START I.D. # FMS07-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1315
micro-R reading —

Q2
Top

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ8
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817828
START I.D. # FMSØ8-02-BD
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1326
micro-R reading —

Q2 Bottom

Detector # 4817836
START I.D. # FMSØ8-02-BA
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1326
micro-R reading —

Q2 Top

Detector# _____
START I.D.# _____
Detector OPEN(date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS09
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817829
START I.D. # FMS09-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1350
micro-R reading —

Q2 Top

Detector # 4817830
START I.D. # FMS09-02-D
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1350
micro-R reading —

Q2 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS10
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817846
START I.D. # FMS10-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1416
micro-R reading —

Q2
Top

Detector # 4817847
START I.D. # FMS10-02-C
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/~~19~~ 11 @ 1416
micro-R reading —

Q2
Top Duplicate

Detector# 4817849
START I.D.# FMS10-02-D
Detector OPEN(date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1416
micro-R reading —

Q2
Bottom

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: ~~FMS09~~ FMS11
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4783138
START I.D. # FMS11-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1436
micro-R reading —

Q2 Top

Detector # 4783139
START I.D. # FMS11-02-D
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1436
micro-R reading —

Q2 Bottom

~~Detector# _____~~
~~START I.D.# _____~~
~~Detector OPEN(date/time) _____~~
~~micro-R reading _____~~
~~Detector CLOSE (date/time) _____~~
~~micro-R reading _____~~

~~Detector # (DUPLICATE ONLY) _____~~
~~START I.D. # _____~~
~~Detector OPEN (date/time) _____~~
~~micro-R reading _____~~
~~Detector CLOSE (date/time) _____~~
~~micro-R reading _____~~

~~Detector # (DUPLICATE ONLY) _____~~
~~START I.D. # _____~~
~~Detector OPEN (date/time) _____~~
~~micro-R reading _____~~
~~Detector CLOSE (date/time) _____~~
~~micro-R reading _____~~

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

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HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS12
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4783140
START I.D. # FMS12-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1451
micro-R reading —

Q2 Top

Detector # 4817904
START I.D. # FMS12-02-D
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1451
micro-R reading —

Q2 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ1
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4833661
START I.D. # FMSØ1-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1108
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0903
micro-R reading —

Q3 Top

Detector # 4832711
START I.D. # FMSØ1-03-D
Detector OPEN (date/time) 5/2/11 @ 1108
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0903
micro-R reading —

Q3 Bottom

Detector# ~~4832~~ 4817410
START I.D.# FMSØ1-03-A
Detector OPEN(date/time) 5/2/11 @ 1108
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0903
micro-R reading —

Q3 Top

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSQ1
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831447
START I.D. # FMSQ1-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 0907
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0858
micro-R reading —

Q4
Top
non-thoron

Detector # 4832829
START I.D. # FMSQ1-Q4-D
Detector OPEN (date/time) 8/4/11 0907
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0858
micro-R reading —

Q4
Bottom

Detector# 4832924
START I.D.# FMSQ1-Q4-A
Detector OPEN(date/time) 8/4/11 0907
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0858
micro-R reading —

Q4
Top

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS02
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817402
START I.D. # FMS02-03-A
Detector OPEN (date/time) 5/2/11 @ 1123 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0921 Top
micro-R reading —

Detector # 4832754
START I.D. # FMS02-03-D
Detector OPEN (date/time) 5/2/11 @ 1123 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0921 Bottom
micro-R reading —

Detector# _____
START I.D.# _____
Detector OPEN(date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSQ2
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832817
START I.D. # FMSQ2-Q4-A
Detector OPEN (date/time) ~~8/2/11~~ 8/4/11 0924
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0905
micro-R reading —

Q4 Top

Detector # 4846171
START I.D. # FMSQ2-Q4-D
Detector OPEN (date/time) 8/4/11 0924
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0905
micro-R reading —

Q4 bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ3
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # ~~FMSØ3~~ 4834212
START I.D. # FMSØ3-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1138
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0939
micro-R reading —

Q3 Top

Detector # 4833036
START I.D. # FMSØ3-03-A
Detector OPEN (date/time) 5/2/11 @ 1138
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0939
micro-R reading —

Q3 Top

Detector# 4817441
START I.D.# FMSØ3-03-D
Detector OPEN(date/time) 5/2/11 @ 1138
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0939
micro-R reading —

Q3 Bottom

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS&3
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831417
START I.D. # FMS&3-QH-A-NTH
Detector OPEN (date/time) 8/4/11 0943
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0914
micro-R reading

QH
Top
non-thoron

Detector # 4832859
START I.D. # FMS&3-QH-A
Detector OPEN (date/time) 8/4/11 0943
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0914
micro-R reading

QH
Top

Detector# 4832877
START I.D.# FMS&3-QH-D
Detector OPEN(date/time) 8/4/11 0943
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0914
micro-R reading

QH
bottom

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS04
Date: 5/4/11
START Team Member (who completed this form): O.GARREN
Additional START Team Members: P. BOND

Detector # 4832705
START I.D. # FMS04-03-A
Detector OPEN (date/time) 5/2/11 @ 1150
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0958
micro-R reading —

Q3 Top

Detector # 4832958
START I.D. # FMS04-03-D
Detector OPEN (date/time) 5/2/11 @ 1150
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0958
micro-R reading

Q3 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS&H
Date: 8/4/11
START Team Member (who completed this form): J. Evans
Additional START Team Members: R. Sherman

Detector # 4832850
START I.D. # FMS&H-Q4-A
Detector OPEN (date/time) 8/4/11 0959
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0922
micro-R reading —

Q4 Top

Detector # 4832839
START I.D. # FMS&H-Q4-D
Detector OPEN (date/time) 8/4/11 0959
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0922
micro-R reading —

Q4 bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ5
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4834209
START I.D. # FMSØ5-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1235 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1044 Top
micro-R reading —

Detector # 4832708
START I.D. # FMSØ5-03-A
Detector OPEN (date/time) 5/2/11 @ 1235 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1044 Top
micro-R reading —

Detector# 4832957
START I.D.# FMSØ5-03-D
Detector OPEN(date/time) 5/2/11 @ 1235 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1044 Bottom
micro-R reading —

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSQ5
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831365
START I.D. # FMSQ5-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 1045
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0950
micro-R reading —

Q4
Top
non-thoron

Detector # 4846132
START I.D. # FMSQ5-Q4-A
Detector OPEN (date/time) 8/4/11 1045
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0950
micro-R reading —

Q4
Top

Detector# 4832910
START I.D.# FMSQ5-Q4-D
Detector OPEN(date/time) 8/4/11 1045
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0950
micro-R reading —

Q4
bottom

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ6
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4828743
START I.D. # FMSØ6-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1253 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1100 Top
micro-R reading —

Detector # 4817388
START I.D. # FMSØ6-03-ØA Q3
Detector OPEN (date/time) 5/2/11 @ 1253 Top
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1100
micro-R reading —

Detector# 4832993
START I.D.# FMSØ6-03-D
Detector OPEN(date/time) 5/2/11 @ 1253 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1100 Bottom
micro-R reading —

Detector # (DUPLICATE ONLY) 4834211
START I.D. # FMSØ6-03-C-NTH
Detector OPEN (date/time) 5/2/11 @ 1253 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1100 Top
micro-R reading —

Detector # (DUPLICATE ONLY) 4832947
START I.D. # FMSØ6-03-C
Detector OPEN (date/time) 5/2/11 @ 1253 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1100 Top
micro-R reading —

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

ADDITIONAL DUPLICATE:
4832997 (BOTTOM)
FMSØ6-03-E
5/2/11 @ 1253 Q3
Closed 8/4/11 1100

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSQ6
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831393
START I.D. # FMSQ6-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 1101
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1000
micro-R reading —

Q4 Top non-thoron

Detector # 4846111
START I.D. # FMSQ6-Q4-A
Detector OPEN (date/time) 8/4/11 1101
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1000
micro-R reading —

Q4 Top

Detector# 4832885
START I.D.# FMSQ6-Q4-D
Detector OPEN(date/time) 8/4/11 1101
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1000
micro-R reading —

Q4 bottom

Detector # (DUPLICATE ONLY) 4831378
START I.D. # FMSQ6-Q4-C-NTH
Detector OPEN (date/time) 8/4/11 1101
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1000
micro-R reading —

Q4 Top non-thoron

Detector # (DUPLICATE ONLY) 4846129
START I.D. # FMSQ6-Q4-C
Detector OPEN (date/time) 8/4/11 1101
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1000
micro-R reading —

Q4 Top

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

Additional Duplicate:
4846174
FMSQ6-Q4-E
Open 8/4/11 1101
Closed 11/17/11 1000

Q4 bottom

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ7
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4832758
START I.D. # FMSØ7-03-A
Detector OPEN (date/time) 5/2/11 @ 1317
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1119
micro-R reading —

Q3 Top

Detector # 4832969
START I.D. # FMSØ7-03-D
Detector OPEN (date/time) 5/2/11 @ 1317
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1119
micro-R reading —

Q3 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSQ7
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846228
START I.D. # FMSQ7-Q4-A
Detector OPEN (date/time) 8/4/11 1120
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1007
micro-R reading —

Q4 Top

Detector # 4846257
START I.D. # FMSQ7-Q4-D
Detector OPEN (date/time) 8/4/11 1120
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1007
micro-R reading —

Q4 bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSØ8
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4832950
START I.D. # FMSØ8-03-A
Detector OPEN (date/time) 5/2/11 @ 1329
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1132
micro-R reading —

Q3 Top

Detector # 4832751
START I.D. # FMSØ8-03-D
Detector OPEN (date/time) 5/2/11 @ 1329
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1132
micro-R reading —

Q3 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSQ8
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846149
START I.D. # FMSQ8-Q4-A
Detector OPEN (date/time) 8/4/11 1133
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1013
micro-R reading —

Q4 Top

Detector # 4846117
START I.D. # FMSQ8-Q4-D
Detector OPEN (date/time) 8/4/11 1133
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1013
micro-R reading —

Q4 bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS09
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4834203
START I.D. # FMS09-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1352
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1150
micro-R reading —

Q3 Top

Detector # 4832726
START I.D. # FMS09-03-A
Detector OPEN (date/time) 5/2/11 @ 1352
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1150
micro-R reading —

Q3 Top

Detector# 4832977
START I.D.# FMS09-03-D
Detector OPEN(date/time) 5/2/11 @ 1352
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1150
micro-R reading —

Q3 Bottom

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMSQ9
Date: 8/4/11
START Team Member (who completed this form): J. Evans
Additional START Team Members: R. Sherman

Detector # 4831379
START I.D. # FMSQ9-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 1151
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1030
micro-R reading —

Q4 Top non-thoron

Detector # 4846088
START I.D. # FMSQ9-Q4-A
Detector OPEN (date/time) 8/4/11 1151
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1030
micro-R reading —

Q4 Top

Detector# 4846074
START I.D.# FMSQ9-Q4-D
Detector OPEN(date/time) 8/4/11 1151
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1030
micro-R reading —

Q4 Bottom

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS10
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4832748
START I.D. # FMS10-03-A
Detector OPEN (date/time) 5/2/11 @ ~~1148~~ 1148 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1210 Top
micro-R reading —

Detector # 4832964
START I.D. # FMS10-03-D
Detector OPEN (date/time) 5/2/11 @ 1148 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1210 Bottom
micro-R reading —

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

TOP DUPLICATE: 4833034
FMS10-03-C
5/2/11 @ 1148 Q3
Top
Closed 8/4/11 1210

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS12
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846163
START I.D. # FMS12-Q4-A
Detector OPEN (date/time) 8/4/11 1211
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1042
micro-R reading —

Q4 Top

Detector # 4846202
START I.D. # FMS12-Q4-D
Detector OPEN (date/time) 8/4/11 1211
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1042
micro-R reading —

Q4 Bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY) 4846224
START I.D. # FMS12-Q4-C
Detector OPEN (date/time) 8/4/11 1211
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1042
micro-R reading

Q4 Top

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS11
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817384
START I.D. # FMS11-03-A
Detector OPEN (date/time) 5/2/11 @ 1437 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1226 Top
micro-R reading —

Detector # 4832742
START I.D. # FMS11-03-D
Detector OPEN (date/time) 5/2/11 @ 1437 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1226 Bottom
micro-R reading —

Detector# _____
START I.D.# _____
Detector OPEN(date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS11
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846183
START I.D. # FMS11-Q4-A
Detector OPEN (date/time) 8/4/11 1227
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1054
micro-R reading —

Q4 Top

Detector # 4846358
START I.D. # FMS11-Q4-D
Detector OPEN (date/time) 8/4/11 1227
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1054
micro-R reading —

Q4 bottom

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS12
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4828766
START I.D. # ~~FMS6~~ FMS12-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1453 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1238 Top
micro-R reading —

Detector # 4833004
START I.D. # FMS12-03-A
Detector OPEN (date/time) 5/2/11 @ 1453 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1238 Top
micro-R reading —

Detector# 4817422
START I.D.# FMS12-03-D
Detector OPEN(date/time) 5/2/11 @ 1453 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1238 Bottom
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: FMS12
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831369
START I.D. # FMS12-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 1239
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1102
micro-R reading —

Q4 Top non-theron

Detector # 4846060
START I.D. # FMS12-Q4-A
Detector OPEN (date/time) 8/4/11 1239
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1102
micro-R reading —

Q4 Top

Detector# 4832920
START I.D.# FMS12-Q4-D
Detector OPEN(date/time) 8/4/11 1239
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1102
micro-R reading —

Q4 bottom

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ1
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4783596
START I.D. # HMCØ1-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1810
micro-R reading —

Detector # 4817873
START I.D. # HMCØ1-02-~~B~~D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) ~~5/22~~ 5/02/11 @ 1810
micro-R reading —

Detector# 4817874
START I.D.# HMCØ1-02-F
Detector OPEN(date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1810
micro-R reading —

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ1
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4834198
START I.D. # HMCØ1-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1812 Q3
micro-R reading —
Detector CLOSE (date/time) 8/5/11 1218
micro-R reading —

Detector # 4832972
START I.D. # HMCØ1-03-A
Detector OPEN (date/time) 5/2/11 @ 1812 Q3
micro-R reading —
Detector CLOSE (date/time) 8/5/11 1218
micro-R reading —

Detector# 4833028
START I.D.# HMCØ1-03-D
Detector OPEN(date/time) 5/2/11 @ 1812 Q3
micro-R reading —
Detector CLOSE (date/time) 8/5/11 1218
micro-R reading —

Detector # (~~DUPLICATE ONLY~~) 4833002
START I.D. # HMCØ1-03-F
Detector OPEN (date/time) 5/2/11 @ 1812 Q3
micro-R reading —
Detector CLOSE (date/time) 8/5/11 1218
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCQ1
Date: 8/5/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831484
START I.D. # HMCQ1-Q4-A-NTH
Detector OPEN (date/time) 8/5/11 1220
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1320
micro-R reading

Q4
~~Top~~ TE
non-theron

Detector # 4846112
START I.D. # HMCQ1-Q4-A
Detector OPEN (date/time) 8/5/11 1220
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1320
micro-R reading

Q4
~~Top~~ TE

Detector# 4846856
START I.D.# HMCQ1-Q4-D
Detector OPEN(date/time) 8/5/11 1220
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1320
micro-R reading

Q4
~~bottom~~ TE

Detector # (~~DUPLICATE ONLY~~) TE 4832835
START I.D. # HMCQ1-Q4-F
Detector OPEN (date/time) 8/5/11 1220
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1320
micro-R reading

Q4

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ2
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817854
START I.D. # HMCØ2-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1552
micro-R reading —

Detector # 4817898
START I.D. # HMCØ2-02-D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1552
micro-R reading —

Detector# 4817899
START I.D.# HMCØ2-02-F
Detector OPEN(date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1552
micro-R reading —

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ~~8~~ 2
Date: 5/4/11
START Team Member (who completed this form): O.GARREN
Additional START Team Members: P.BOND

Detector # 4828738
START I.D. # HMCØ2-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1555 Q3
micro-R reading —
Detector CLOSE (date/time) 8/5/11 1150
micro-R reading —

Detector # 4833027
START I.D. # HMCØ2-03-A
Detector OPEN (date/time) 5/2/11 @ 1555 Q3
micro-R reading —
Detector CLOSE (date/time) 8/5/11 1150
micro-R reading —

Detector# 4832730
START I.D.# HMCØ2-03-D
Detector OPEN(date/time) 5/2/11 @ 1555 Q3
micro-R reading —
Detector CLOSE (date/time) 8/5/11 1150
micro-R reading —

Detector # ~~(DUPLICATE ONLY)~~ 4833029
START I.D. # HMCØ2-03-F
Detector OPEN (date/time) 5/2/11 @ 1555 Q3
micro-R reading —
Detector CLOSE (date/time) 8/5/11 1150
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCQ2
Date: 8/5/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831487
START I.D. # HMCQ2-Q4-A-NTH
Detector OPEN (date/time) 8/5/11 1151
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1305
micro-R reading —

Q4 northern

Detector # 4846067
START I.D. # HMCQ2-Q4-A
Detector OPEN (date/time) 8/5/11 1151
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1305
micro-R reading —

Q4

Detector# 4846135
START I.D.# HMCQ2-Q4-D
Detector OPEN(date/time) 8/5/11 1151
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1305
micro-R reading —

Q4

Detector # (~~DUPLICATE ONLY~~) 4846127
START I.D. # HMCQ2-Q4-F
Detector OPEN (date/time) 8/5/11 1151
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1305
micro-R reading —

Q4

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ3
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817890
START I.D. # HMCØ3-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1638
micro-R reading —

Detector # 4817892
START I.D. # HMCØ3-02-D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1638
micro-R reading —

Detector# 4817893
START I.D.# HMCØ3-02-F
Detector OPEN(date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1638
micro-R reading —

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ3
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # ~~HMCØ~~ 4832991
START I.D. # HMCØ3-03-A
Detector OPEN (date/time) 5/2/11 @ 1640 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1409
micro-R reading —

Detector # 4832753
START I.D. # HMCØ3-03-D
Detector OPEN (date/time) 5/2/11 @ 1640 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1409
micro-R reading —

Detector# 4832994
START I.D.# HMCØ3-03-F
Detector OPEN(date/time) 5/2/11 @ 1640 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1409
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCQ3
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846177
START I.D. # HMCQ3-Q4-A
Detector OPEN (date/time) 8/4/11 1410
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1236
micro-R reading —

Q4

Detector # 4846120
START I.D. # HMCQ3-Q4-D
Detector OPEN (date/time) 8/4/11 1410
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1236
micro-R reading —

Q4

Detector# 4846095
START I.D.# HMCQ3-Q4-F
Detector OPEN(date/time) 8/4/11 1410
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1236
micro-R reading —

Q4

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMC04
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817894
START I.D. # HMC04-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1620
micro-R reading —

Detector # 4817895
START I.D. # HMC04-02-D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1620
micro-R reading —

Detector# 4817897
START I.D.# HMC04-02-F
Detector OPEN(date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1620
micro-R reading —

(Additional observations/comments):

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMC04
Date: 5/4/11
START Team Member (who completed this form): O.GARREN
Additional START Team Members: P.BOND

Detector # 4834207
START I.D. # HMC04-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1622 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1353
micro-R reading —

Detector # 4832759
START I.D. # HMC04-03-A
Detector OPEN (date/time) 5/2/11 @ 1622 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1353
micro-R reading —

Detector# 4833000
START I.D.# HMC04-03-D
Detector OPEN(date/time) 5/2/11 @ 1622 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1353
micro-R reading —

Detector # (~~DUPLICATE ONLY~~) 4832743
START I.D. # HMC04-03-F
Detector OPEN (date/time) 5/2/11 @ 1622 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1353
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCQ4
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831392
START I.D. # HMCQ4-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 1354
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1146
micro-R reading —

Q4
non theron

Detector # 4846093
START I.D. # HMCQ4-Q4-A
Detector OPEN (date/time) 8/4/11 1354
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1146
micro-R reading —

Q4

Detector# 4846078
START I.D.# HMCQ4-Q4-D
Detector OPEN(date/time) 8/4/11 1354
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1146
micro-R reading —

Q4

Detector # (~~DUPLICATE ONLY~~) TE 4846172
START I.D. # HMCQ4-Q4-F
Detector OPEN (date/time) 8/4/11 1354
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1146
micro-R reading —

Q4

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ5
Date: 5/8/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4822900
START I.D. # HMCØ5-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1040
micro-R reading —

Detector # 4822930
START I.D. # HMCØ5-02-D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1040
micro-R reading —

Detector# 4823003
START I.D.# HMCØ5-02-F
Detector OPEN(date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1040
micro-R reading —

(Additional observations/comments):

Detector # (DUPLICATE ONLY) 09
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ5
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4834216
START I.D. # HMCØ5-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1045 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0839
micro-R reading —

Detector # 4832961
START I.D. # HMCØ5-03-A
Detector OPEN (date/time) 5/2/11 @ 1045 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0839
micro-R reading —

Detector# 4832955
START I.D.# HMCØ5-03-D
Detector OPEN(date/time) 5/2/11 @ 1045 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0839
micro-R reading —

Detector # ~~(DUPLICATE ONLY)~~ 4832959
START I.D. # HMCØ5-03-F
Detector OPEN (date/time) 5/2/11 @ 1045 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 0839
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCQ5
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4828753
START I.D. # HMCQ5-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 0844
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0845
micro-R reading —

Q4 non thoron

Detector # 4832893
START I.D. # HMCQ5-Q4-A
Detector OPEN (date/time) 8/4/11 0844
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0845
micro-R reading —

Q4

Detector# 4832932
START I.D.# HMCQ5-Q4-D
Detector OPEN(date/time) 8/4/11 0844
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0845
micro-R reading —

Q4

Detector # (~~DUPLICATE ONLY~~) 4832919
START I.D. # HMCQ5-Q4-F
Detector OPEN (date/time) 8/4/11 0844
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0845
micro-R reading —

Q4

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ6
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817831
START I.D. # HMCØ6-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/18 @ 1220
micro-R reading

Detector # 4817841
START I.D. # HMCØ6-02-D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1220
micro-R reading —

Detector# 4817842
START I.D.# HMCØ6-02-F
Detector OPEN(date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 05/22/11 @ 1220
micro-R reading

Detector # (DUPLICATE ONLY) JJ
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMC06
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817387
START I.D. # HMC06-03-A
Detector OPEN (date/time) 5/2/11 @ 1220 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1027
micro-R reading —

Detector # 4832973
START I.D. # HMC06-03-D
Detector OPEN (date/time) 5/2/11 @ 1220 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1027
micro-R reading —

Detector# 4832968
START I.D.# HMC06-03-F
Detector OPEN(date/time) 5/2/11 @ 1220 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1027
micro-R reading —

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMC06
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846169
START I.D. # HMC06-04-A
Detector OPEN (date/time) 8/4/11 1028
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0938
micro-R reading —

Q4

Detector # 4846053
START I.D. # HMC06-04-D
Detector OPEN (date/time) 8/4/11 1028
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0938
micro-R reading —

Q4

Detector# 4846122
START I.D.# HMC06-04-F
Detector OPEN(date/time) 8/4/11 1028
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0938
micro-R reading —

Q4

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMC07
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817840
START I.D. # HMC07-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1205
micro-R reading —

Detector # 4817880
START I.D. # HMC07-02-D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1205
micro-R reading —

Detector# 4817881
START I.D.# HMC07-02-F
Detector OPEN(date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1205
micro-R reading —

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMC07
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4834210
START I.D. # HMC07-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1207 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1014
micro-R reading —

Detector # 4833005
START I.D. # HMC07-03-A
Detector OPEN (date/time) 5/2/11 @ 1207 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1014
micro-R reading —

Detector# 4832989
START I.D.# HMC07-03-D
Detector OPEN(date/time) 5/2/11 @ 1207 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1014
micro-R reading —

Detector # (~~DUPLICATE ONLY~~) 4832706
START I.D. # HMC07-03-F
Detector OPEN (date/time) 5/2/11 @ 1207 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1014
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCQ7
Date: 8/4/11
START Team Member (who completed this form): T Evans
Additional START Team Members: R. Sherman

Detector # 4831440
START I.D. # HMCQ7-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 1015
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0929
micro-R reading —

Q4
non theron

Detector # 4833023
START I.D. # HMCQ7-Q4-A
Detector OPEN (date/time) 8/4/11 1015
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0929
micro-R reading —

Q4

Detector# 4846158
START I.D.# HMCQ7-Q4-D
Detector OPEN(date/time) 8/4/11 1015
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0929
micro-R reading —

Q4

Detector # (~~DUPLICATE ONLY~~ TE) 4846181
START I.D. # HMCQ7-Q4-F
Detector OPEN (date/time) 8/4/11 1015
micro-R reading —
Detector CLOSE (date/time) 11/17/11 0929
micro-R reading —

Q4

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØB
Date: 5/3/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4817906
START I.D. # HMCØB-02-A
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/02/11 @ 1513
micro-R reading —

Detector # 4817907
START I.D. # HMCØB-02-D
Detector OPEN (date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1513
micro-R reading —

Detector# 4817908
START I.D.# HMCØB-02-F
Detector OPEN(date/time) 01/18/11 Q2
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1513
micro-R reading —

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ8
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4834200
START I.D. # HMCØ8 ~~HMAC~~-03-A-NTH
Detector OPEN (date/time) 5/2/11 @ 1515 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1252
micro-R reading —

Detector # 4832736
START I.D. # HMCØ8 ~~HMAC~~-03-A
Detector OPEN (date/time) 5/2/11 @ 1515 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1252
micro-R reading —

Detector# 4832948
START I.D.# HMCØ8 ~~HMAC~~-03-D
Detector OPEN(date/time) 5/2/11 @ 1515 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1252
micro-R reading —

Detector # (~~DUPLICATE ONLY~~) 4832966
START I.D. # HMCØ8 ~~HMAC~~-03-F
Detector OPEN (date/time) 5/2/11 @ 1515 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1252
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCQ8
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4831360
START I.D. # HMCQ8-Q4-A-NTH
Detector OPEN (date/time) 8/4/11 1253
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1114
micro-R reading —

Q4
non thoron

Detector # 4846072
START I.D. # HMCQ8-Q4-A
Detector OPEN (date/time) 8/4/11 1253
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1114
micro-R reading —

Q4

Detector# 4832922
START I.D.# HMCQ8-Q4-D
Detector OPEN(date/time) 8/4/11 1253
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1114
micro-R reading —

Q4

Detector # (DUPLICATE ONLY) 4846213
START I.D. # HMCQ8-Q4-F
Detector OPEN (date/time) 8/4/11 1253
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1114
micro-R reading —

Q4

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ9
Date: 5/23/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4783595
START I.D. # HMCØ9-02-A
Detector OPEN (date/time) 01/18/11
micro-R reading —
Detector CLOSE (date/time) ~~1717~~ 5/2/11 @ 1717
micro-R reading —

Q2

Detector # 4817856
START I.D. # HMCØ9-02-D
Detector OPEN (date/time) ~~HMC~~ 01/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1717
micro-R reading —

Q2

Detector# 4817855
START I.D.# HMCØ9-02-F
Detector OPEN(date/time) Ø1/18/11
micro-R reading —
Detector CLOSE (date/time) 5/2/11 @ 1717
micro-R reading —

Q2

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCØ9
Date: 5/4/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. BOND

Detector # 4832951
START I.D. # HMCØ9-03-A
Detector OPEN (date/time) 5/2/11 @ 1719 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1435
micro-R reading —

Detector # 4832999
START I.D. # HMCØ9-03-D
Detector OPEN (date/time) 5/2/11 @ 1719 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1435
micro-R reading —

Detector# 4832698
START I.D.# HMCØ9-03-F
Detector OPEN(date/time) 5/2/11 @ 1719 Q3
micro-R reading —
Detector CLOSE (date/time) 8/4/11 1435
micro-R reading —

(Additional observations/comments):

Detector # (DUPLICATE ONLY) og
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY) og
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

SEE HMC MAP

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: HMCQ9
Date: 8/4/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846203
START I.D. # HMCQ9-Q4-A
Detector OPEN (date/time) 8/4/11 1438 Q4
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1210
micro-R reading —

Detector # 4846058
START I.D. # HMCQ9-Q4-D
Detector OPEN (date/time) 8/4/11 1438 Q4
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1210
micro-R reading —

Detector# 4846151
START I.D.# HMCQ9-Q4-F
Detector OPEN(date/time) 8/4/11 1438 Q4
micro-R reading —
Detector CLOSE (date/time) 11/17/11 1210
micro-R reading —

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

See HMC Map

Homestake Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: MA0005
Date: 4/12/11
START Team Member (who completed this form): J. Evans
Additional START Team Members: J. Wright

Canister # (stamped in red) 717137
START I.D. # MA0005B
Canister OPEN (date/time) 4/12/11 1054
Canister CLOSE (date/time) 4/18/11 0945

Canister # (stamped in red) 717124
START I.D. # MA0005A
Canister OPEN (date/time) 4/12/11 1054
Canister CLOSE (date/time) 4/18/11 0954

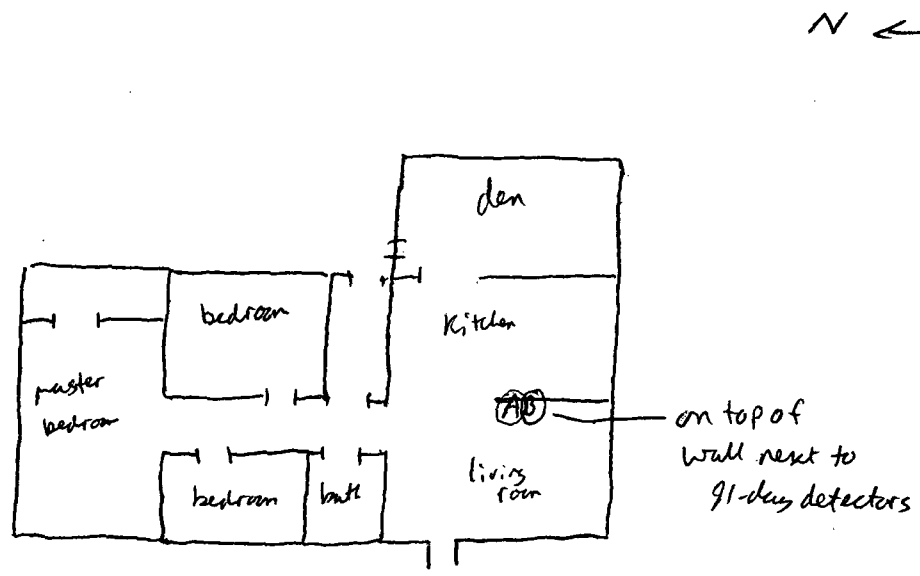
FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

RADON CANISTER PLACEMENT SKETCH

Indoor Area Only (where RADON canister is placed)

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQQ5
Date: 4/18/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4783568
START I.D. # MAQQQ5-Q2-A
Detector OPEN (date/time) 4/19/11 —
micro-R reading —
Detector CLOSE (date/time) 4/18/11 0957
micro-R reading 8.5

Q2 indoor USACE

Detector # ~~4783568~~ 4817918
START I.D. # MAQQQ5-Q2-D
Detector OPEN (date/time) 4/19/11 —
micro-R reading —
Detector CLOSE (date/time) 4/18/11 1010
micro-R reading 9.0

Q2 Outdoor USACE

Detector# _____
START I.D.# _____
Detector OPEN(date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

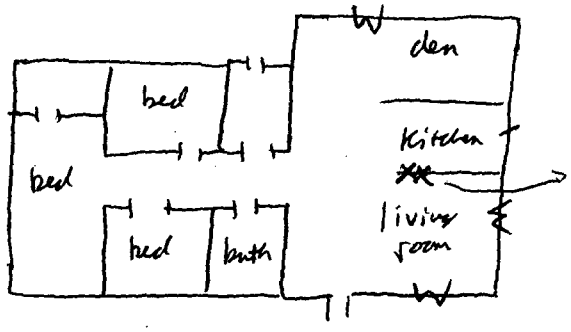
(Additional observations/comments):

Detector # (DUPLICATE ONLY) 4783569 Q2 indoor dup
START I.D. # MAQQQ5-Q2-C
Detector OPEN (date/time) 4/19/11 —
micro-R reading —
Detector CLOSE (date/time) 4/18/11 0957
micro-R reading 8.5

Detector # (DUPLICATE ONLY) 4817919 Q2 outdoor dup
START I.D. # MAQQQ5-Q2-E
Detector OPEN (date/time) 4/19/11 —
micro-R reading —
Detector CLOSE (date/time) 4/18/11 1010
micro-R reading 9.0

Include:
- North Arrow
- Outline of each Floor/Basement where detector is placed
- Detector locations
- Doors, windows, etc.
- Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)
- Place outdoor sample on existing fence when present otherwise place on supplied post

N
X - radon detector
W - Window



4783568 + 4783569 on wall separating kitchen and living room.

Corral/pasture

4817918 + 4817919 on fence

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQQ5
Date: 4/18/11
START Team Member (who completed this form): J. Evans
Additional START Team Members: J. Wright

Detector #: 4817682
START I.D. #: MAQQQ5-Q3-A
Detector OPEN (date/time): 4/18/11 1000
micro-R reading: 8.5
Detector CLOSE (date/time): 8/2/11 1723
micro-R reading: 8

Q3 indoor

Detector #: 4783635
START I.D. #: MAQQQ5-Q3-D
Detector OPEN (date/time): 4/18/11 1009
micro-R reading: 9.0
Detector CLOSE (date/time): 8/2/11 1735
micro-R reading: 11

Q3 outdoor

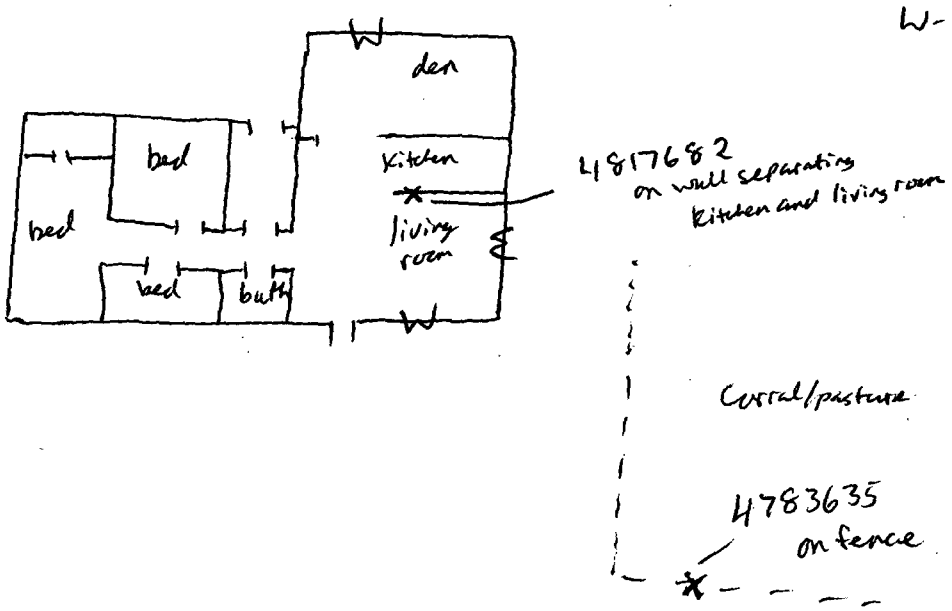
Detector#:
START I.D.#:
Detector OPEN(date/time):
micro-R reading:
Detector CLOSE (date/time):
micro-R reading:

(Additional observations/comments):

Detector # (DUPLICATE ONLY):
START I.D. #:
Detector OPEN (date/time):
micro-R reading:
Detector CLOSE (date/time):
micro-R reading:

Detector # (DUPLICATE ONLY):
START I.D. #:
Detector OPEN (date/time):
micro-R reading:
Detector CLOSE (date/time):
micro-R reading:

Include:
North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garag or porch)
-Place outdoor sample on existing fence when present otherwise place on supplied post



San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: MA&&&5
Date: 7/27/12
START Team Member (who completed this form): T. Evans
Additional START Team Members: —

Canister # (stamped in red) 467188
START I.D. # MA&&&5-&5-A
Canister OPEN (date/time) 7/27/12 0745
Canister CLOSE (date/time) 8/2/12 1655

Canister # (stamped in red) 467189
START I.D. # MA&&&5-&5-B
Canister OPEN (date/time) 7/27/12 0746
Canister CLOSE (date/time) 8/2/12 1657

FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

RADON CANISTER PLACEMENT SKETCH

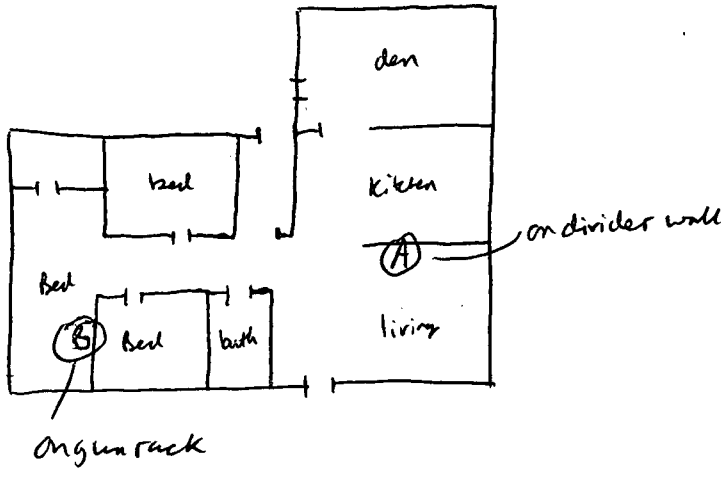
Indoor Area Only (where RADON canister is placed)

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

0741
1823

(Additional observations/comments):

285-6714
290-1644



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ21
Date: 4/22/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4782941
START I.D. # MAQQ21-Q2-A
Detector OPEN (date/time) 1/11/11 1045
micro-R reading —
Detector CLOSE (date/time) 4/22/11 1136
micro-R reading 9.0

Q2 indoor USACE

Detector # 4782942
START I.D. # MAQQ21-Q2-D
Detector OPEN (date/time) 4/11/11 1045
micro-R reading —
Detector CLOSE (date/time) 4/22/11 1152
micro-R reading 13.5

Q2 outdoor USACE

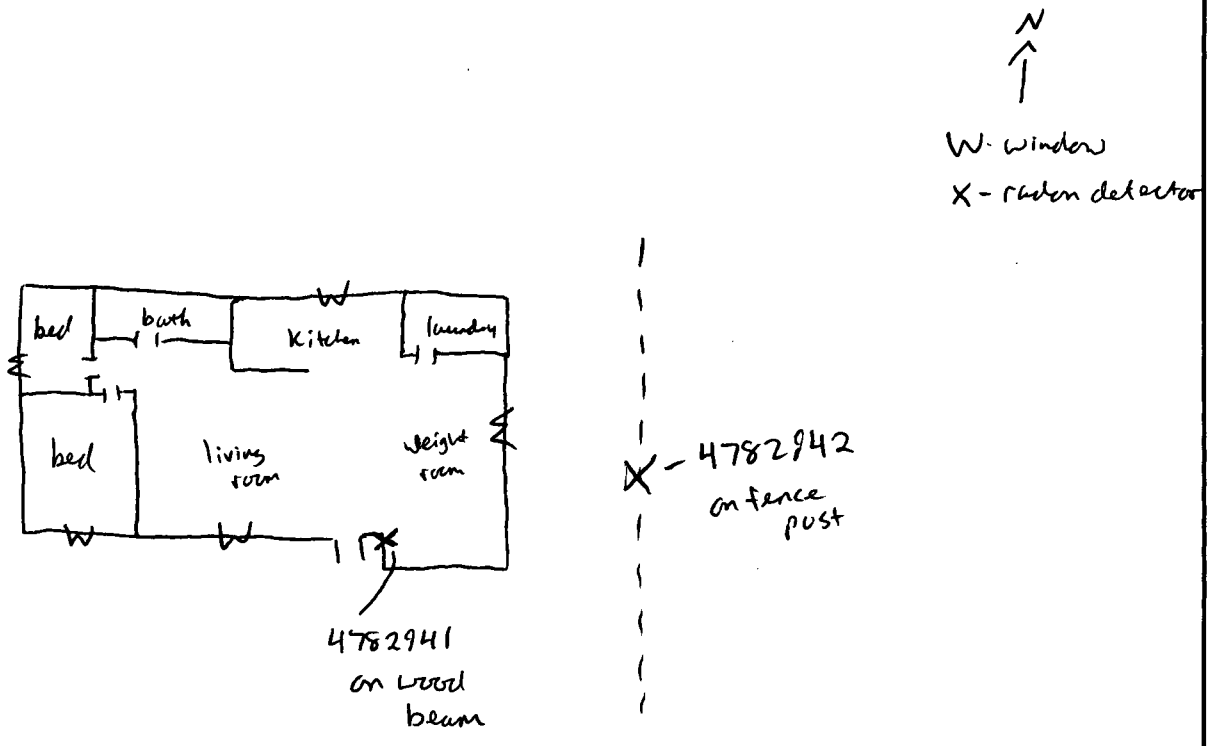
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ21
Date: 8/3/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832845
START I.D. # MAQQ21-Q4-A
Detector OPEN (date/time) 8/3/11 1007
micro-R reading 11.5
Detector CLOSE (date/time) 11/12/11 1326
micro-R reading 11

Q4 indoor

Detector # 4832948
START I.D. # MAQQ21-Q4-D
Detector OPEN (date/time) 8/3/11 1022
micro-R reading 14
Detector CLOSE (date/time) 11/12/11 1344
micro-R reading 13.5

Q4 outdoor

Detector# 4795872
START I.D.# MAQQ21-Q1-B
Detector OPEN(date/time) 9/14/10 1200
micro-R reading —
Detector CLOSE (date/time) 11/12/11 1334
micro-R reading 10.5

Annual

Detector # (~~DUPLICATE ONLY~~) 4831387
START I.D. # MAQQ21-Q4-A-NTH
Detector OPEN (date/time) 8/3/11 1007
micro-R reading 11.5
Detector CLOSE (date/time) 11/12/11 1326
micro-R reading 11

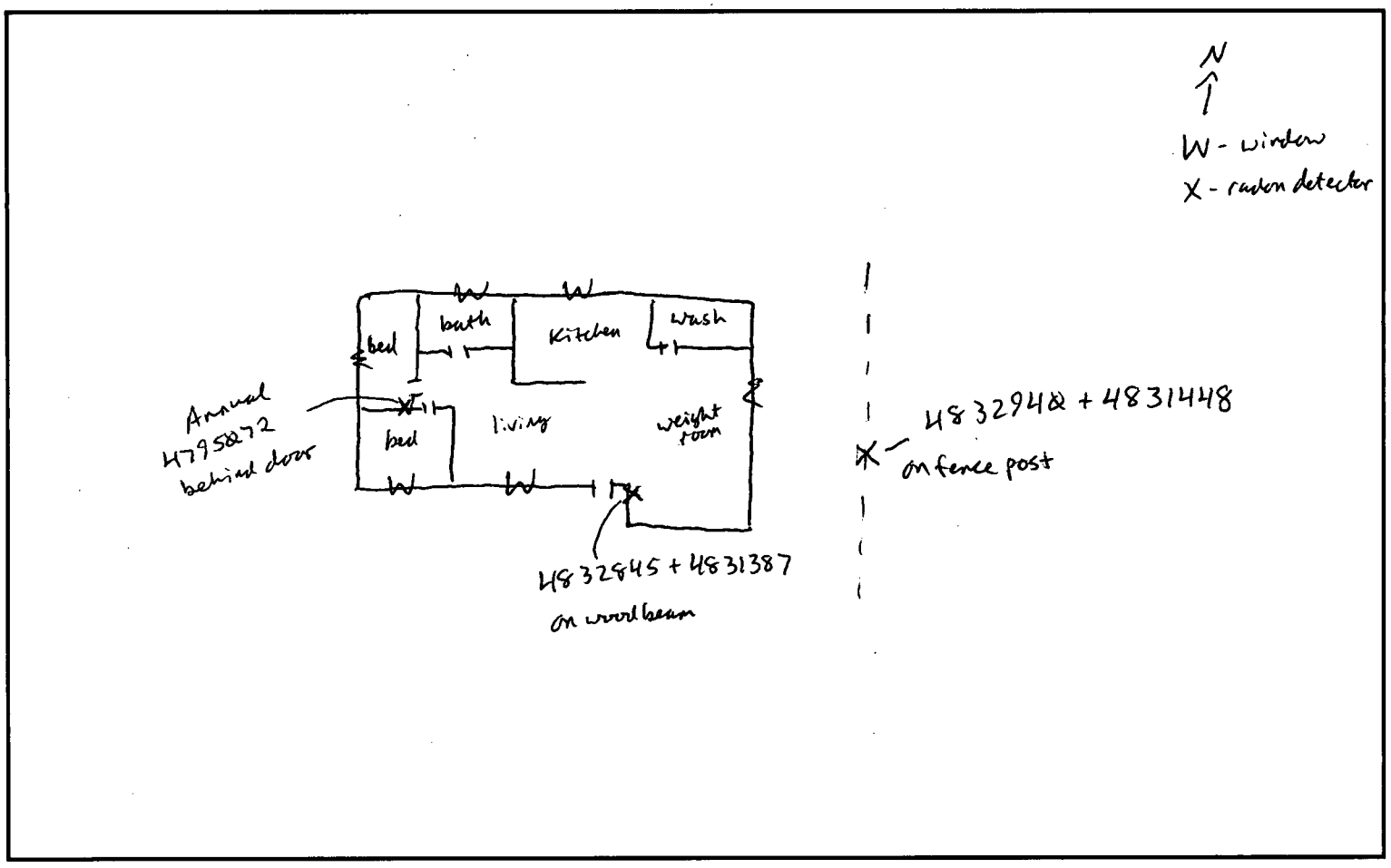
Q4 indoor non-thoron

Detector # (~~DUPLICATE ONLY~~) 4831448
START I.D. # MAQQ21-Q4-D-NTH
Detector OPEN (date/time) 8/3/11 1022
micro-R reading 14
Detector CLOSE (date/time) 11/12/11 1344
micro-R reading 13.5

Q4 outdoor non-thoron

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ21
Date: 4/22/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4817377
START I.D. # MAQQ21-Q3-A
Detector OPEN (date/time) 4/22/11 1133
micro-R reading 9.0
Detector CLOSE (date/time) 8/3/11 1005
micro-R reading 11.5

Q3 indoor

Detector # 4783577
START I.D. # MAQQ21-Q3-D
Detector OPEN (date/time) 4/22/11 1147
micro-R reading 13.5
Detector CLOSE (date/time) 8/3/11 1019
micro-R reading 14

Q3 outdoor

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

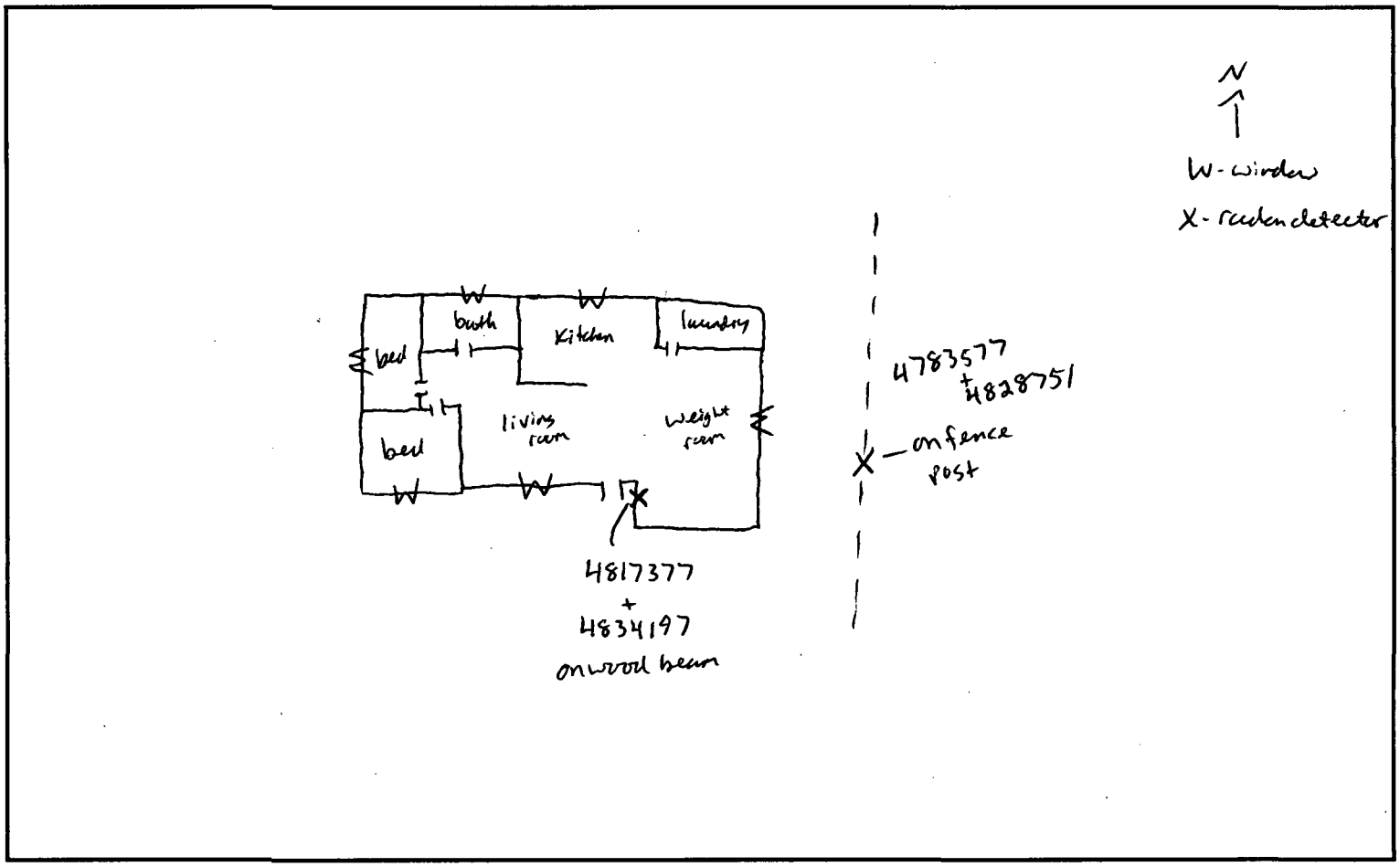
Detector # (~~DUPLICATE ONLY~~) 4834197
START I.D. # MAQQ21-Q3-A-NTH
Detector OPEN (date/time) 4/22/11 1133
micro-R reading 9.0
Detector CLOSE (date/time) 8/3/11 1005
micro-R reading 11.5

Q3 indoor non-thoron

Detector # (~~DUPLICATE ONLY~~) 4828751
START I.D. # MAQQ21-Q3-D-NTH
Detector OPEN (date/time) 4/22/11 1147
micro-R reading 13.5
Detector CLOSE (date/time) 8/3/11 1019
micro-R reading 14

Q3 outdoor non-thoron

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ24
Date: 4/18/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4782943
START I.D. # MAQQ24-Q2-A
Detector OPEN (date/time) 4/11/11 1100
micro-R reading —
Detector CLOSE (date/time) 4/18/11 1502
micro-R reading 7.0

Q2 indoor USACE

Detector # 4782945
START I.D. # MAQQ24-Q2-D
Detector OPEN (date/time) 4/11/11 1100
micro-R reading —
Detector CLOSE (date/time) 4/18/11 1516
micro-R reading 7.0

Q2 Outdoor USACE

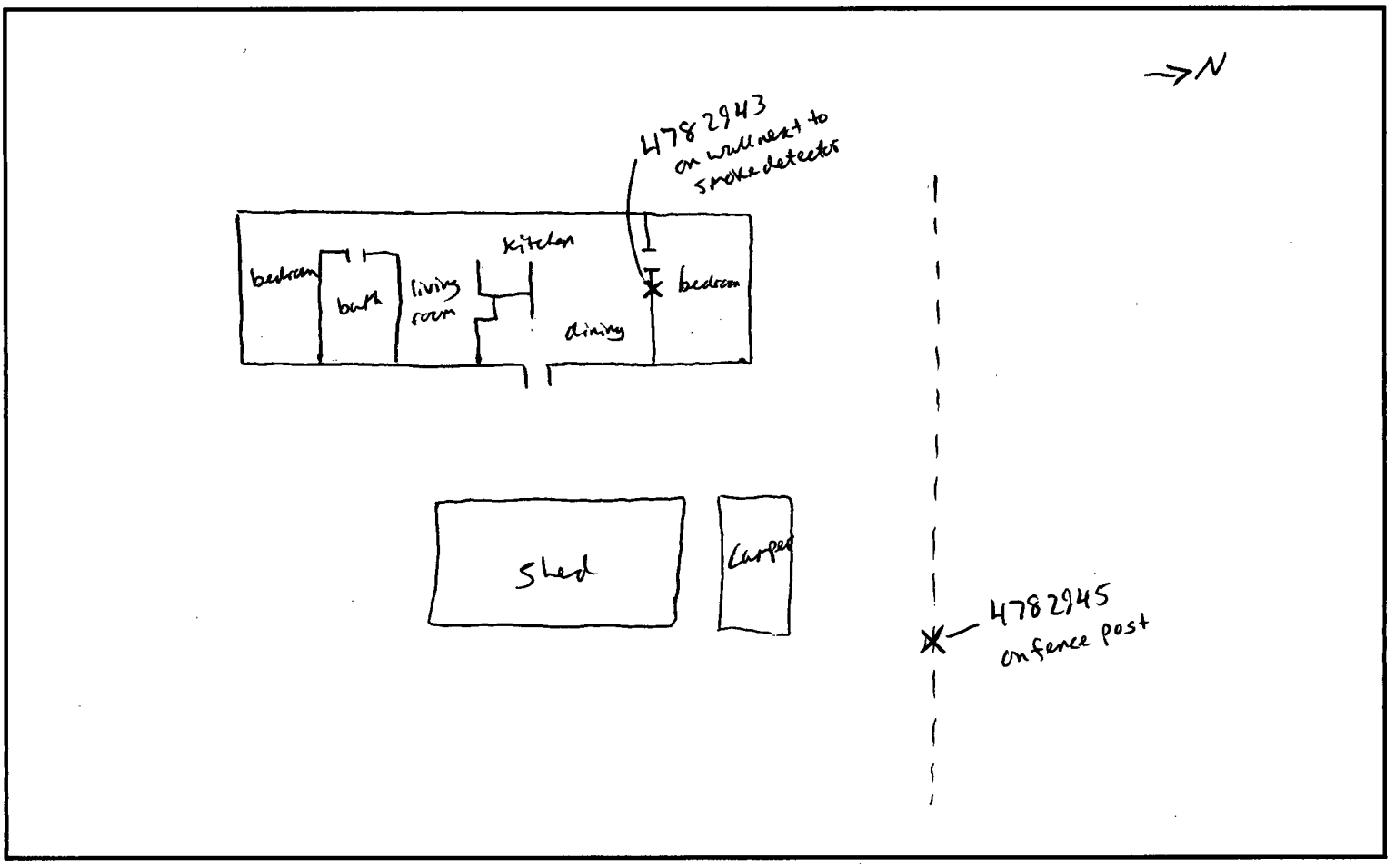
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments): 4783343 - Annual



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ24
Date: 4/18/11
START Team Member (who completed this form) T. Evans
Additional START Team Members: J. Wright

Detector # 4817484
START I.D. # MAQQ24-Q3-A
Detector OPEN (date/time) 4/18/11 1500
micro-R reading 7.0
Detector CLOSE (date/time) 8/13/11 0954
micro-R reading 8.5

Q3 indoor

Detector # 4783582
START I.D. # MAQQ24-Q3-O
Detector OPEN (date/time) 4/18/11 1520
micro-R reading 7.0
Detector CLOSE (date/time) 8/13/11 1003
micro-R reading 15

Q3 outdoor

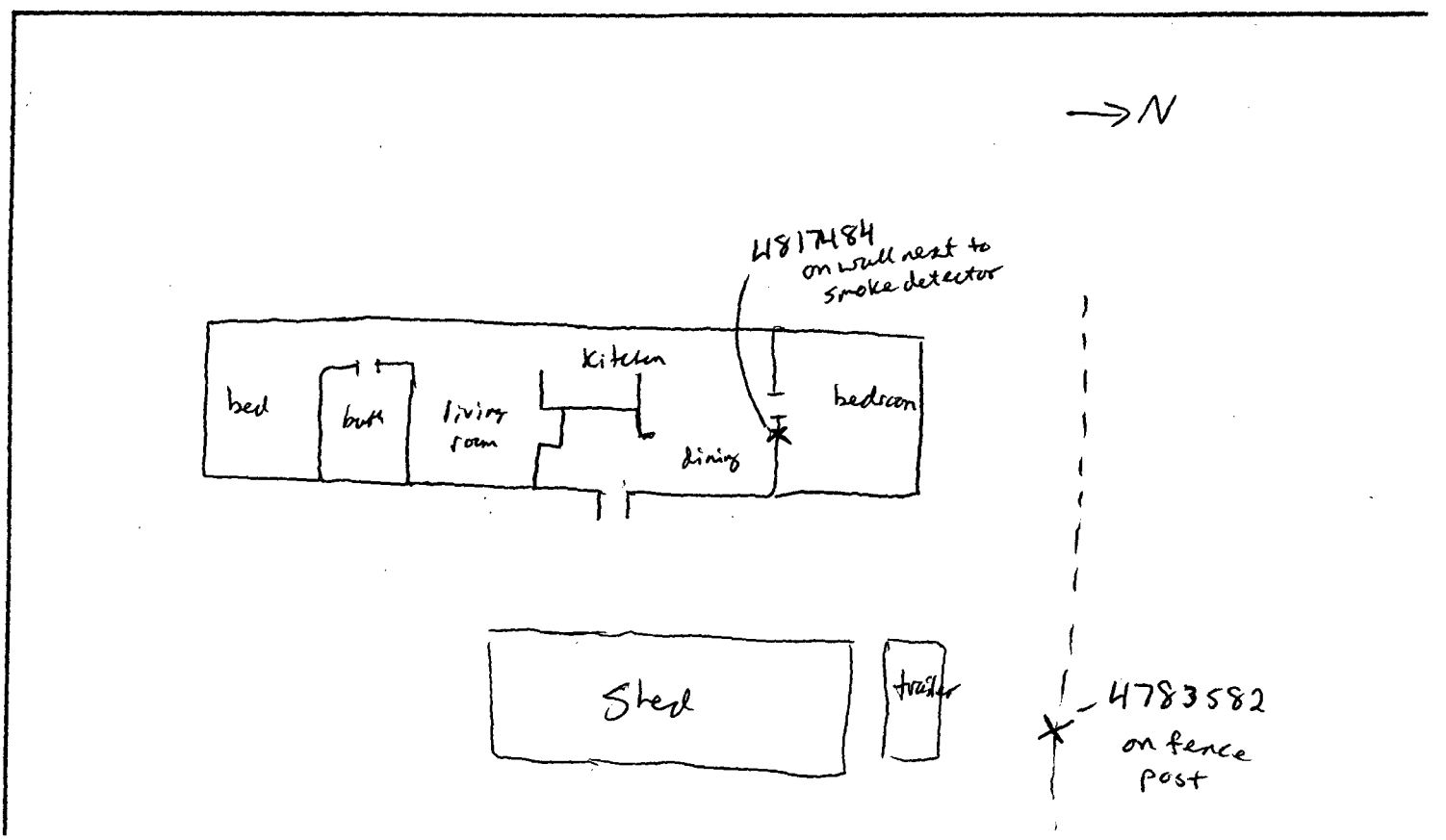
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments)

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
- North Arrow
- Outline of each Floor/Basement where detector is placed
- Detector locations
- Doors, windows, etc.
- Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garag or porch)
- Place outdoor sample on existing fence when present otherwise place on supplied post



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA&&24
Date: 8/13/11
START Team Member (who completed this form): J. Evans
Additional START Team Members: R. Sherman

Detector # 4846352
START I.D. # MA&&24-Q4-A
Detector OPEN (date/time) 8/13/11 0955
micro-R reading 8.5
Detector CLOSE (date/time) ~~[illegible]~~ 11/19/11 1006
micro-R reading 6.5

Q4 indoor

Detector # 4846347
START I.D. # MA&&24-Q4-D
Detector OPEN (date/time) 8/13/11 1004
micro-R reading 15
Detector CLOSE (date/time) 11/19/11 1018
micro-R reading 14

Q4 outdoor

Detector# 4783343
START I.D.# MA&&24-&1-B
Detector OPEN(date/time) 9/16/10 —
micro-R reading —
Detector CLOSE (date/time) 11/19/11 1012
micro-R reading 8

Annual

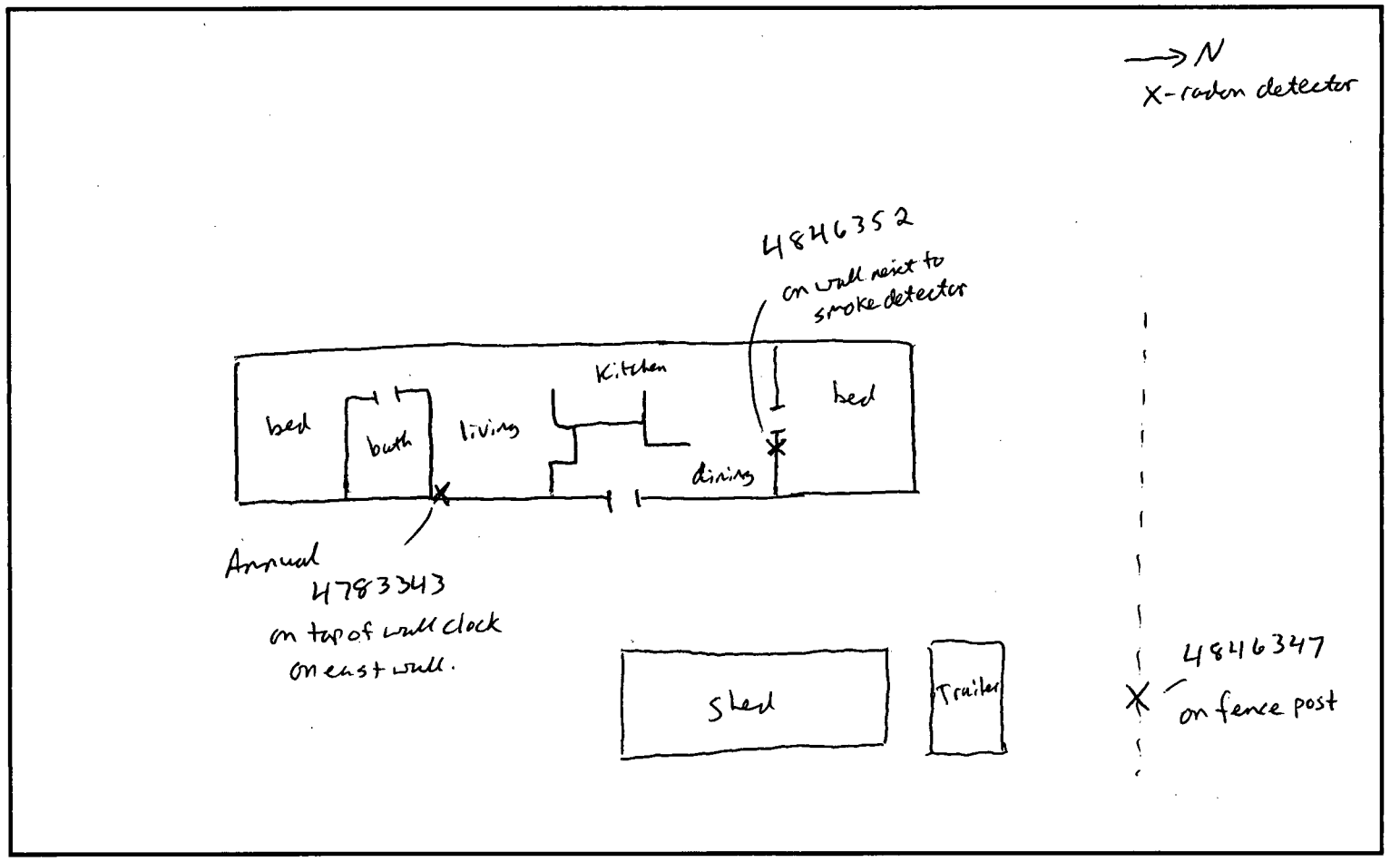
Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

4783343 - Annual



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ25
Date: 4/27/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Suleiman

Detector # 4822964
START I.D. # MAQQ25-Q2-A
Detector OPEN (date/time) 4/15/11 1206
micro-R reading —
Detector CLOSE (date/time) 4/27/11 0947
micro-R reading 9.5

Q2 indoor USACE

Detector # 4822962
START I.D. # MAQQ25-Q2-D
Detector OPEN (date/time) 4/15/11 1206
micro-R reading —
Detector CLOSE (date/time) 4/27/11 1000
micro-R reading 11.5

Q2 outdoor USACE

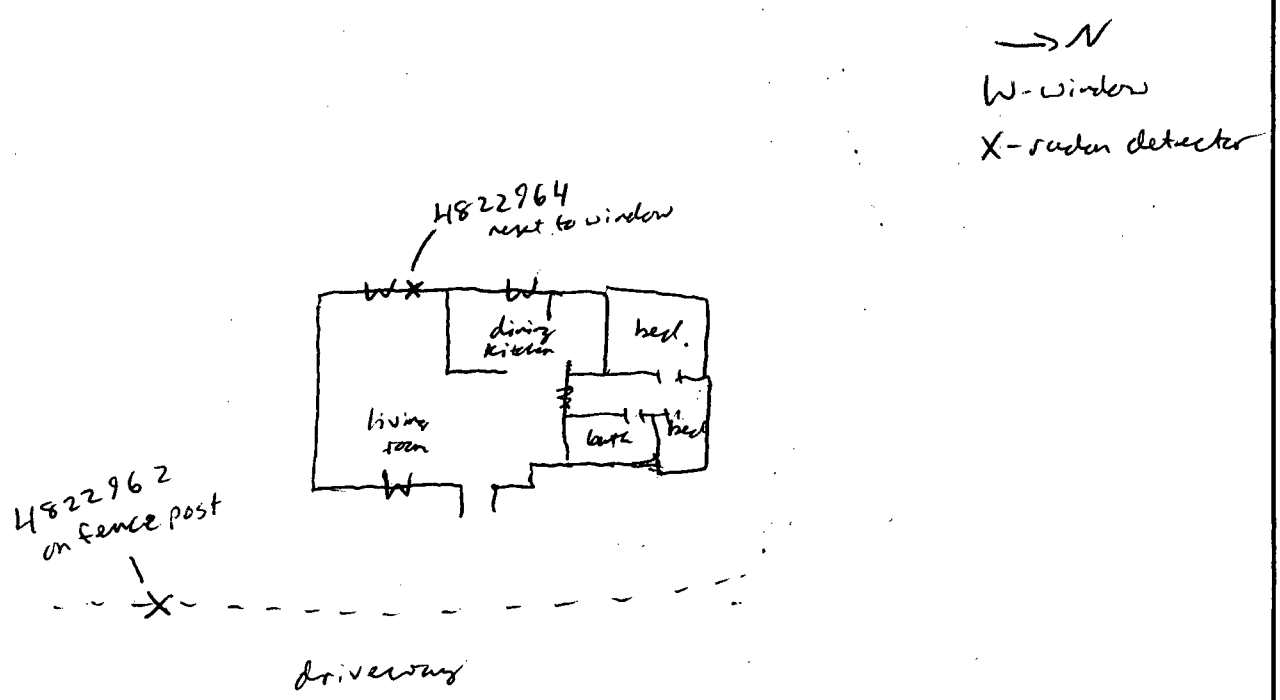
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ25
Date: 4/27/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4817455
START I.D. # MAQQ25-Q3-A
Detector OPEN (date/time) 4/27/11 0948
micro-R reading 9.5
Detector CLOSE (date/time) 8/19/11 0930
micro-R reading 12

Q3 indoor

Detector # 4832782
START I.D. # MAQQ25-Q3-D
Detector OPEN (date/time) 4/27/11 1001
micro-R reading 11.5
Detector CLOSE (date/time) 8/19/11 0941
micro-R reading ~~11.5~~ 13

Q3 outdoor

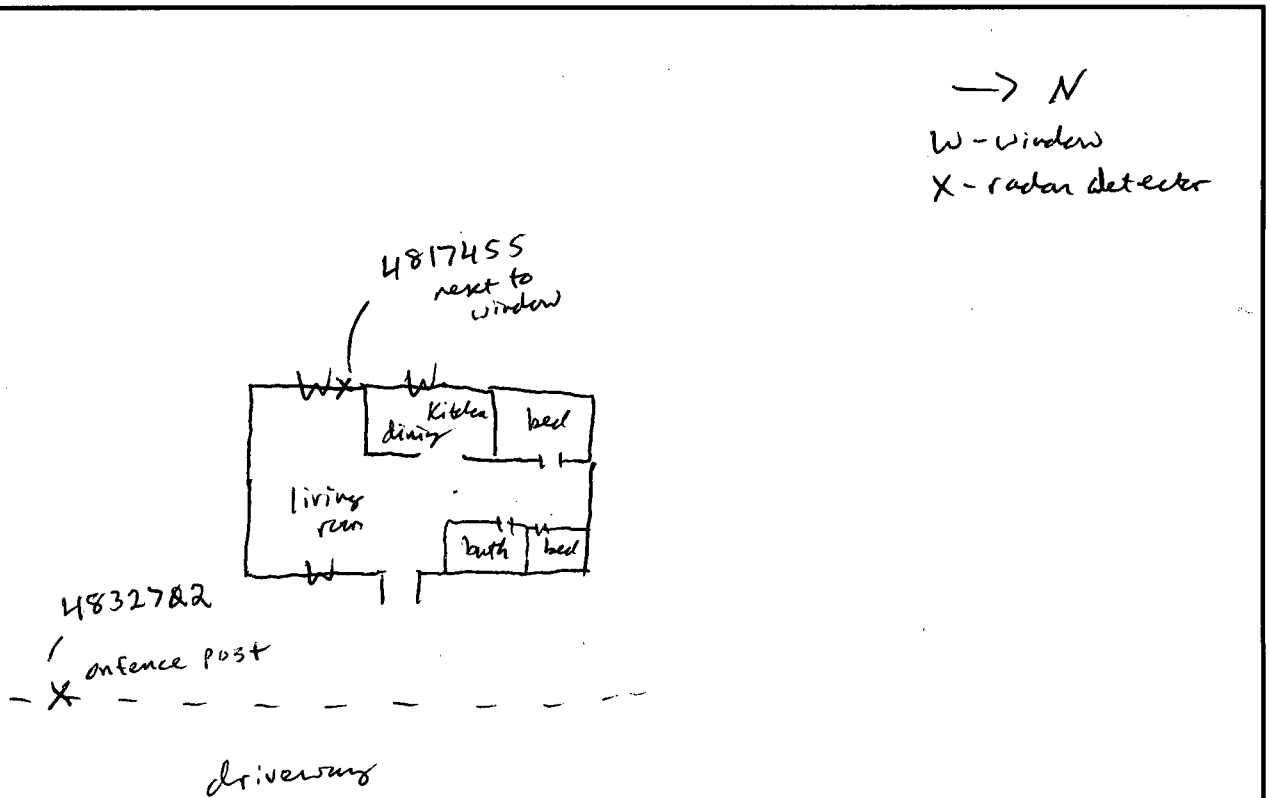
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ25
Date: 8/19/11
START Team Member (who completed this form): T.E.Evans
Additional START Team Members: R.Sherman

Detector # 4846126
START I.D. # MAQQ25-Q4-A
Detector OPEN (date/time) 8/19/11 0931
micro-R reading 12
Detector CLOSE (date/time) 11/23/11 0913
micro-R reading 13

Q4 indoor

Detector # 4832933
START I.D. # MAQQ25-Q4-D
Detector OPEN (date/time) 8/19/11 0942
micro-R reading 13
Detector CLOSE (date/time) 11/23/11 0926
micro-R reading 14

Q4 outdoor

Detector# 4795117
START I.D.# MAQQ25-Q1-B
Detector OPEN(date/time) 9/14/10 —
micro-R reading
Detector CLOSE (date/time) 11/23/11 0918
micro-R reading 12.5

Annual

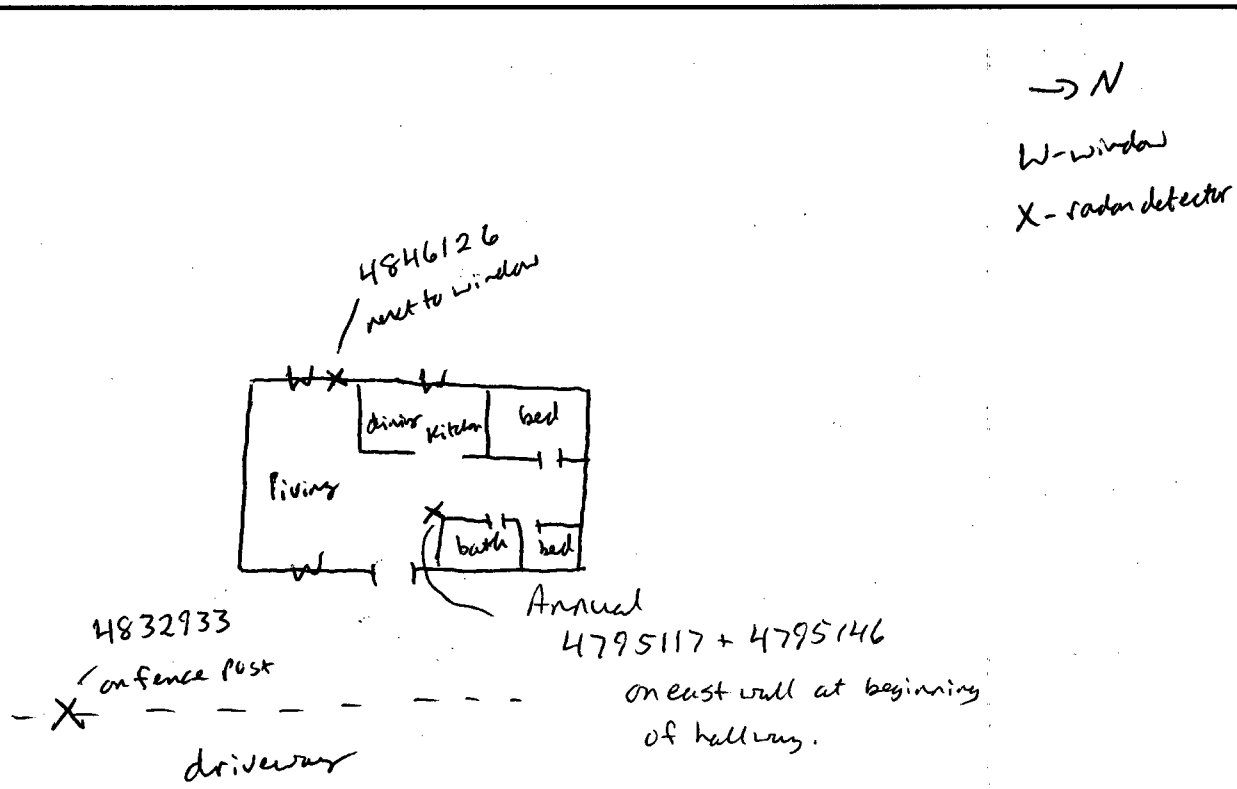
(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY) 4795146
START I.D. # MAQQ25-Q1-C
Detector OPEN (date/time) 9/14/11 —
micro-R reading —
Detector CLOSE (date/time) 11/23/11 0918
micro-R reading 12.5

Annual duplicate

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ46
Date: 4/30/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4822916
START I.D. # MAQQ46-Q2-A
Detector OPEN (date/time) 1/15/11 1312
micro-R reading —
Detector CLOSE (date/time) 4/30/11 1302
micro-R reading 9.5

Q2 indoor USACE

Detector # 4823Q31
START I.D. # MAQQ46-Q2-D
Detector OPEN (date/time) 1/15/11 1312
micro-R reading —
Detector CLOSE (date/time) 4/30/11 1330
micro-R reading 14

Q2 Outdoor USACE

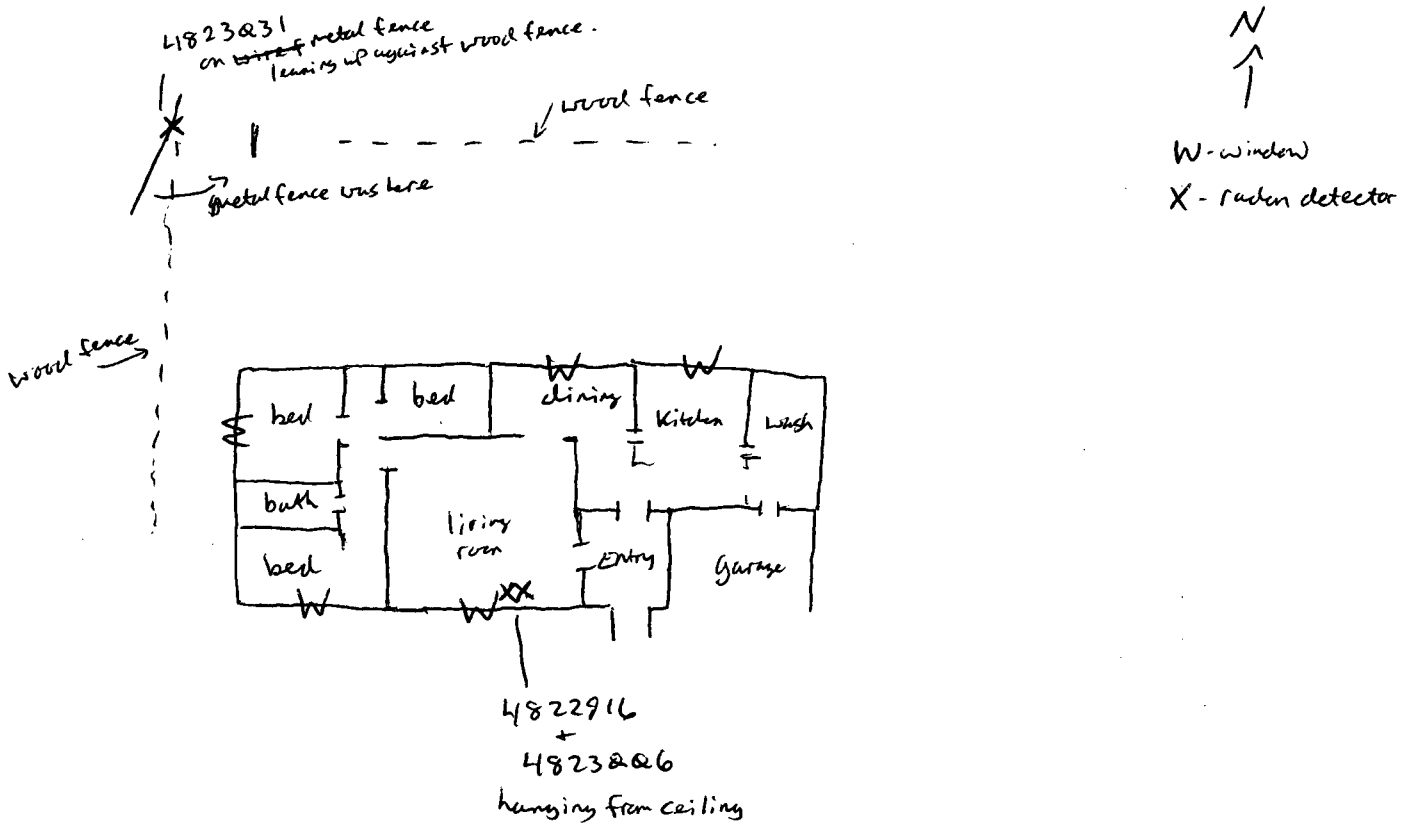
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY) 4823QQ6
START I.D. # MAQQ46-Q2-C
Detector OPEN (date/time) 1/15/11 1312
micro-R reading —
Detector CLOSE (date/time) 4/30/11 1302
micro-R reading 9.5

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):
Outdoor detector 4823Q31 was relocated by owner, ~1 1/2 weeks before pickup date.



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0046 (TAX OFFICE)
Date: 3/25/11
START Team Member (who completed this form): O. GARREN
Additional START Team Members: P. VASQUEZ

Detector # 4817684
START I.D. # MA0046-02-F
Detector OPEN (date/time) 3/25/11 @ 1605
micro-R reading 10
Detector CLOSE (date/time) 8/8/11 1344
micro-R reading 10

Q2

Detector #
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

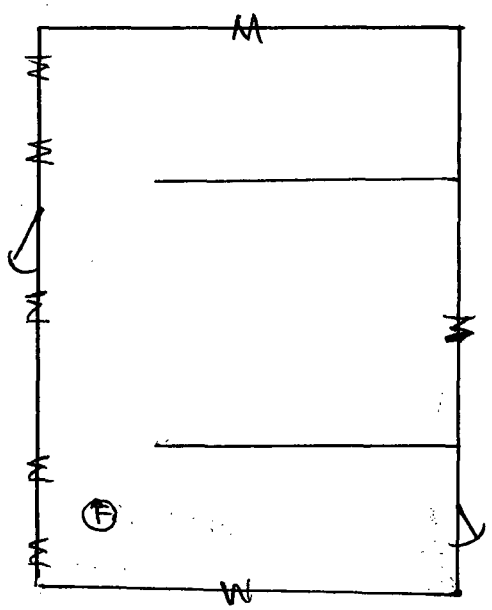
Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(F) ON WOOD BEAM IN SOUTH OFFICE

LEGEND
DOOR
W WINDOW
(F) RADON DETECTOR



N

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ46
Date: 4/30/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4833Q03
START I.D. # MAQQ46-Q3-A
Detector OPEN (date/time) 4/30/11 1309
micro-R reading 9.5
Detector CLOSE (date/time) ~~4/30/11~~ 8/8/11 ~~1309~~ 1353
micro-R reading 10.5

Q3 indoor

Detector # 4832998
START I.D. # MAQQ46-Q3-D
Detector OPEN (date/time) 4/30/11 1333
micro-R reading 14
Detector CLOSE (date/time) 8/8/11 1411
micro-R reading 13.5

Q3 outdoor

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Q3 indoor dup

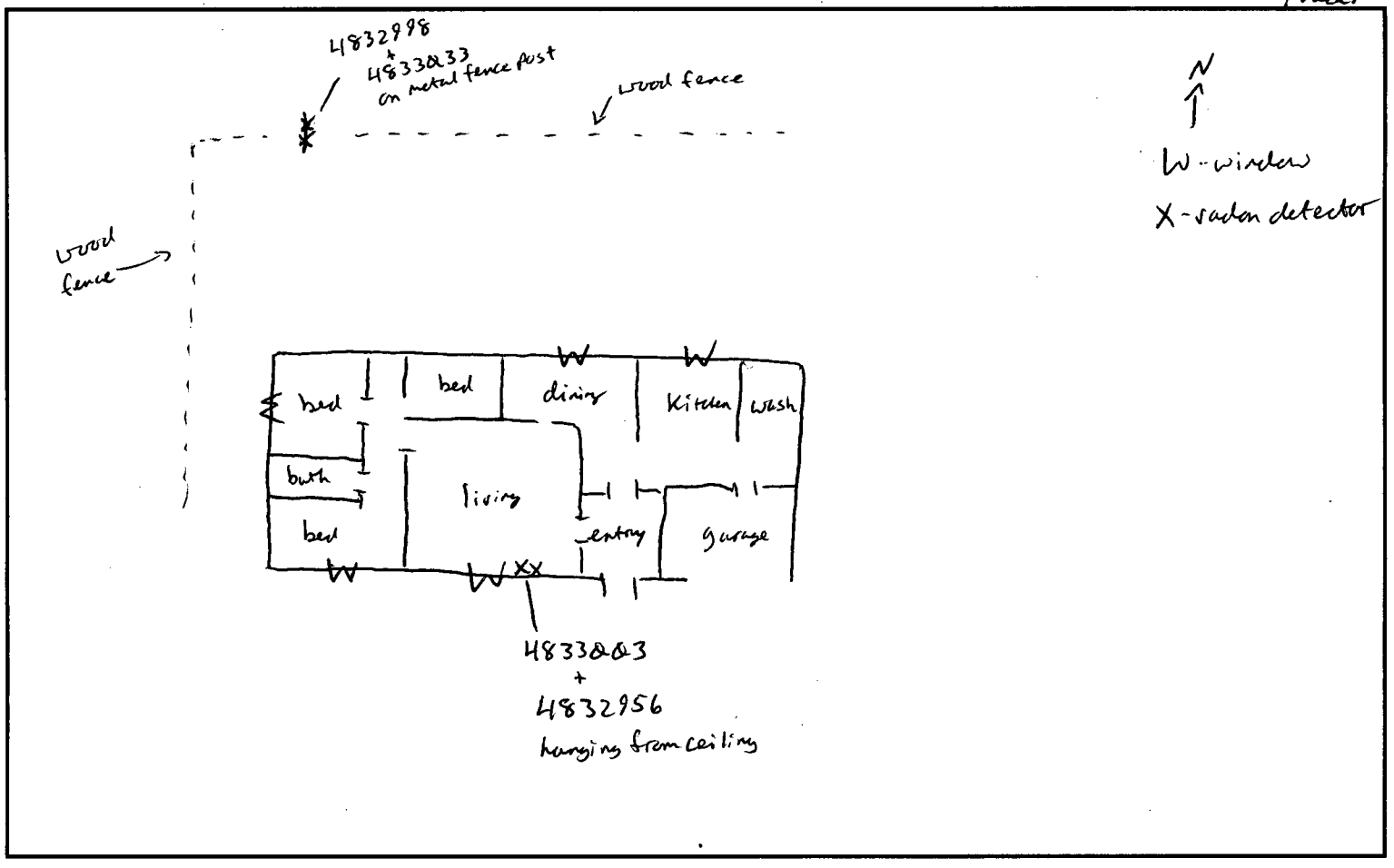
Detector # (DUPLICATE ONLY) 4832956
START I.D. # MAQQ46-Q3-C
Detector OPEN (date/time) 4/30/11 1309
micro-R reading 9.5
Detector CLOSE (date/time) 8/8/11 1353
micro-R reading 10.5

Detector # (DUPLICATE ONLY) 4833Q33
START I.D. # MAQQ46-Q3-E
Detector OPEN (date/time) 4/30/11 1333
micro-R reading 14
Detector CLOSE (date/time) 8/8/11 1411
micro-R reading 13.5

Q3 outdoor dup

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):
Outdoor detectors 4832998 and 4833Q33 were placed on metal post – approximate location where Q1 and Q2 detectors were on metal fence. Owner said fence would be put back in place.



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0046 (Tax Office)
Date: 8/8/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832853
START I.D. # MA0046-Q3-F
Detector OPEN (date/time) 8/8/11 1345
micro-R reading 10
Detector CLOSE (date/time) 11/15/11 0926
micro-R reading 12

Q3
indoor

Detector #
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

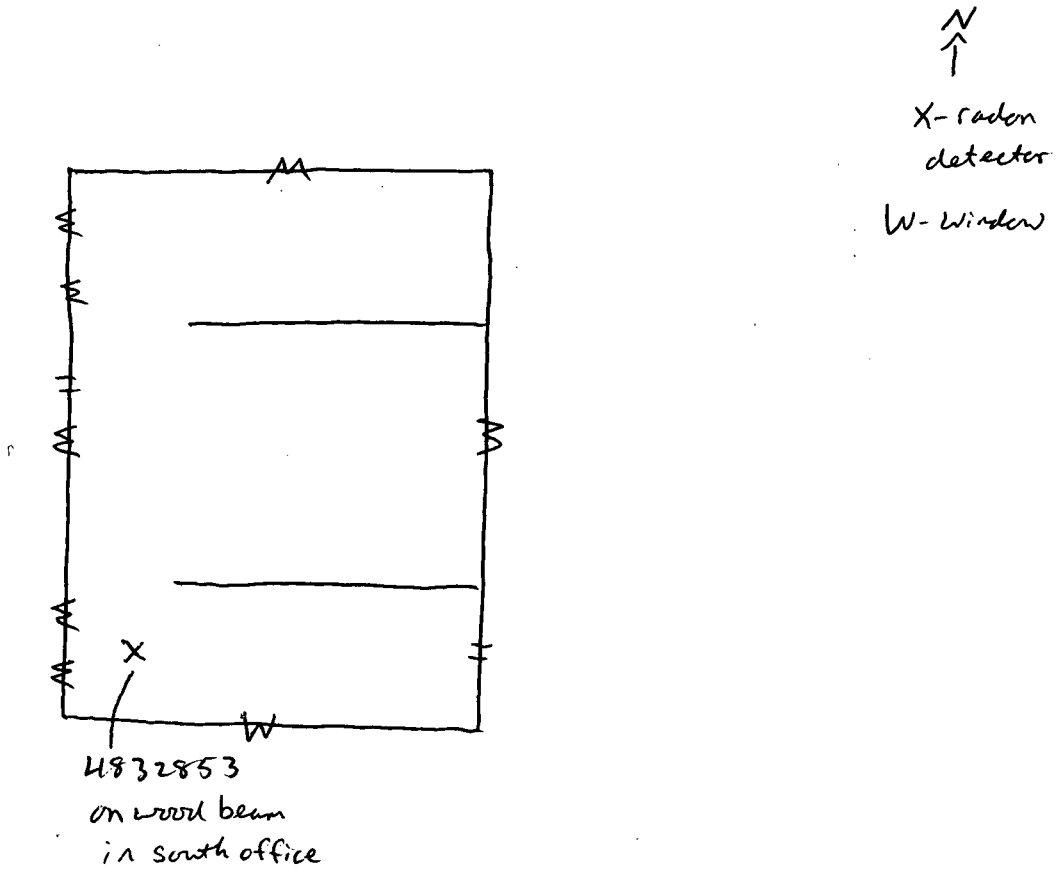
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ46
Date: 8/8/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846080
START I.D. # MAQQ46-Q4-A
Detector OPEN (date/time) 8/8/11 1354
micro-R reading 10.5
Detector CLOSE (date/time) 11/15/11 0912
micro-R reading 12.5

Q4 indoor

Detector # 4846185
START I.D. # MAQQ46-Q4-D
Detector OPEN (date/time) 8/8/11 1413
micro-R reading 13.5
Detector CLOSE (date/time) 11/15/11 0932
micro-R reading 14

Q4 outdoor

Detector# 4795066
START I.D.# MAQQ46-Q1-B
Detector OPEN(date/time) 9/14/10 ~~[illegible]~~ na
micro-R reading —
Detector CLOSE (date/time) 11/15/11 0918
micro-R reading 11.5

Annual

Detector # (DUPLICATE ONLY) 4846222
START I.D. # MAQQ46-Q4-C
Detector OPEN (date/time) 8/8/11 1354
micro-R reading 10.5
Detector CLOSE (date/time) 11/15/11 0912
micro-R reading 12.5

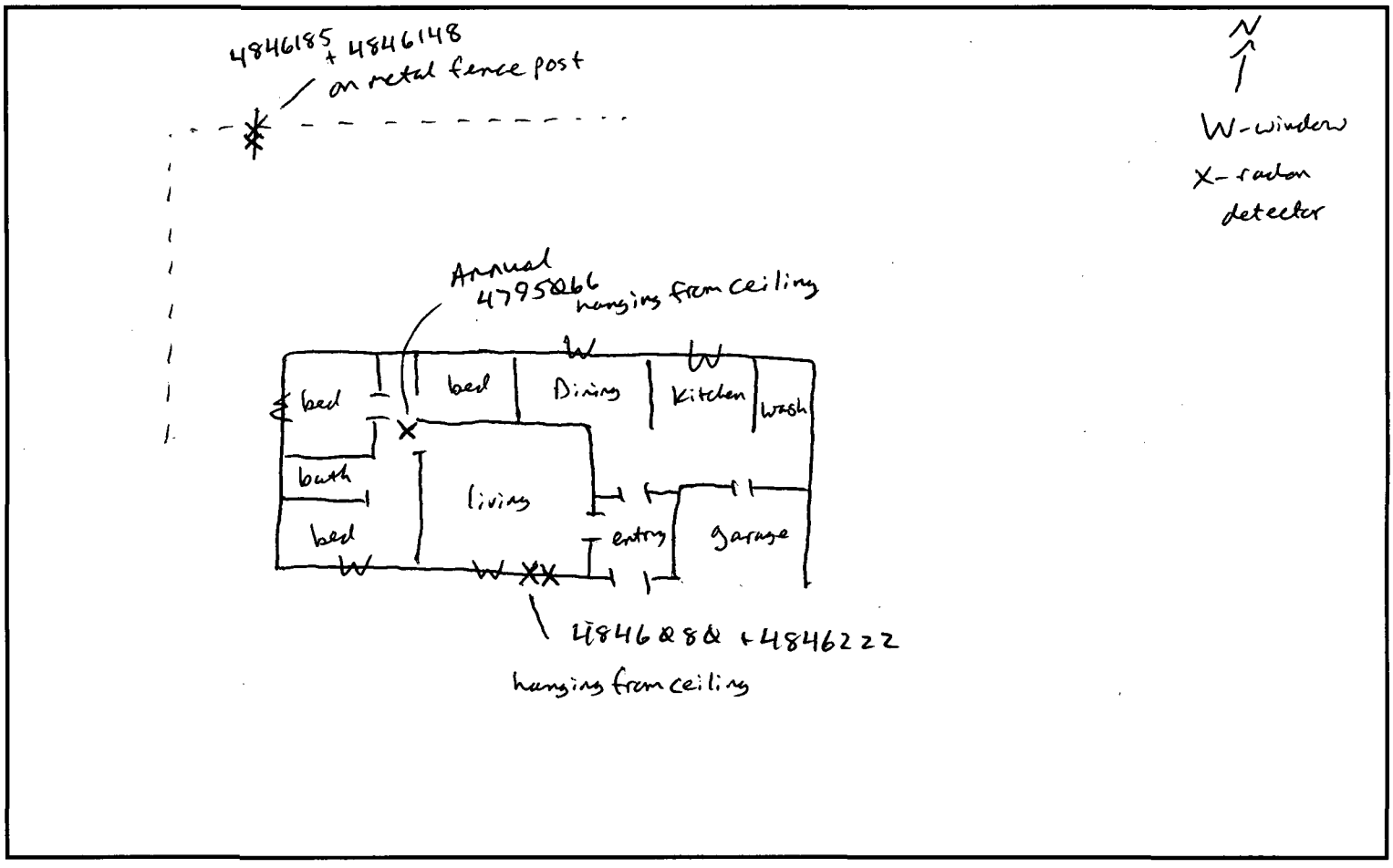
Q4 indoor duplicate

Detector # (DUPLICATE ONLY) 4846148
START I.D. # MAQQ46-Q4-E
Detector OPEN (date/time) 8/8/11 1413
micro-R reading 13.5
Detector CLOSE (date/time) 11/15/11 0932
micro-R reading 14

Q4 outdoor duplicate

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room; basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



Homestake Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: MAQQ47
Date: 3/9/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Canister # (stamped in red) 717Q2
START I.D. # MAQQ47B
Canister OPEN (date/time) 3/9/11 1439
Canister CLOSE (date/time) 3/15/2011 1000

Canister # (stamped in red) 717Q95
START I.D. # MAQQ47A
Canister OPEN (date/time) 3/9/11 1439
Canister CLOSE (date/time) 3/15/2011 1000

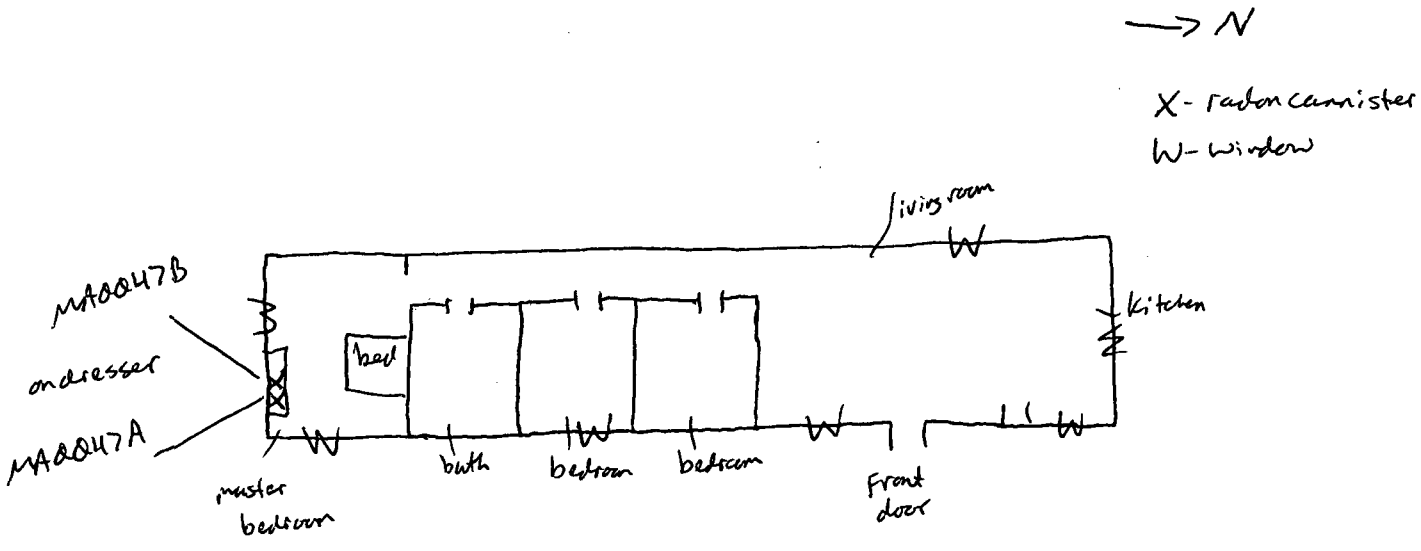
FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

RADON CANISTER PLACEMENT SKETCH

Indoor Area Only (where RADON canister is placed)

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ47
Date: 3/9/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4782905
START I.D. # MAQQ47-Q1-A
Detector OPEN (date/time) 3/9/11 1420
micro-R reading 9325 cpm
Detector CLOSE (date/time) 8/8/11 1313
micro-R reading 10.5

~~Q3~~ Q1

Detector # 4782904
START I.D. # MAQQ47-Q1-B
Detector OPEN (date/time) 3/9/11 1420
micro-R reading 8547 cpm
Detector CLOSE (date/time) 11/15/11 1002
micro-R reading 10.5

Annual

Detector# 4782902
START I.D.# MAQQ47-Q1-D
Detector OPEN(date/time) 3/9/11 1405
micro-R reading 16112 cpm
Detector CLOSE (date/time) 8/8/11 1326
micro-R reading 11.5

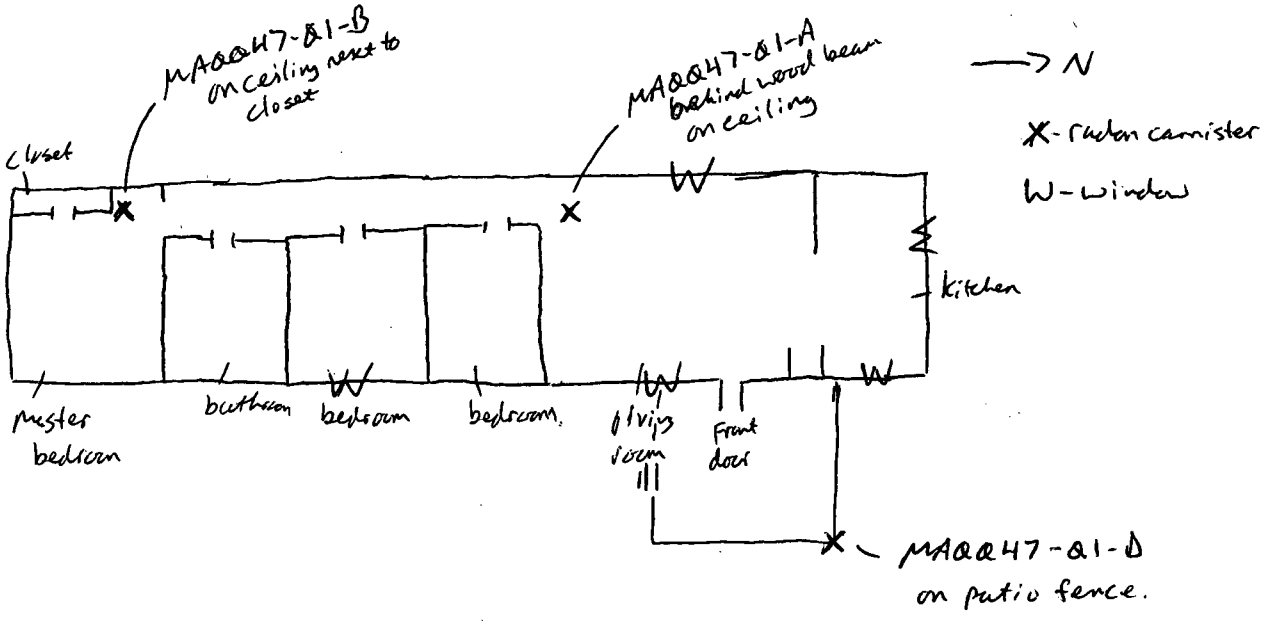
~~Q3~~ Q1

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ47
Date: 8/8/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4846138
START I.D. # MAQQ47-Q2-A
Detector OPEN (date/time) 8/8/11 1314
micro-R reading 10.5
Detector CLOSE (date/time) 11/15/11 0955
micro-R reading 11

Q2 indoor

Detector # 4846176
START I.D. # MAQQ47-Q2-D
Detector OPEN (date/time) 8/8/11 1327
micro-R reading 11.5
Detector CLOSE (date/time) 11/15/11 1008
micro-R reading 11.5

Q2 outdoor

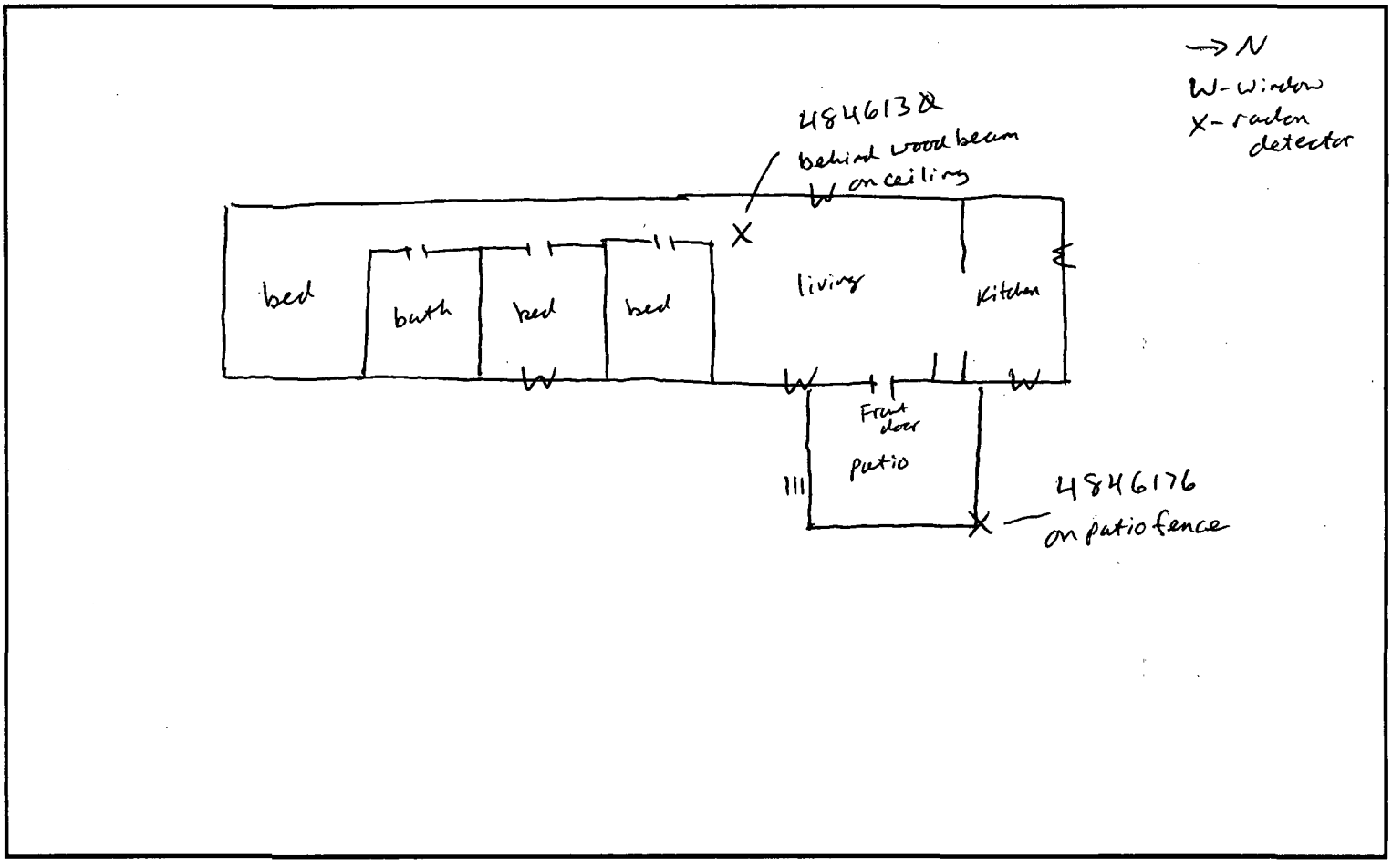
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ48
Date: 4/13/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4782931
START I.D. # — MA0048-02-A
Detector OPEN (date/time) 4/11/11 0930
micro-R reading —
Detector CLOSE (date/time) 4/13/11 1553
micro-R reading 9.0

Q2 indoor ACOE

Detector # 4782930
START I.D. # — MA0048-02-D
Detector OPEN (date/time) 4/11/11 0930
micro-R reading —
Detector CLOSE (date/time) 4/13/11 1602
micro-R reading 9.5

Q2 outdoor ACOE

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

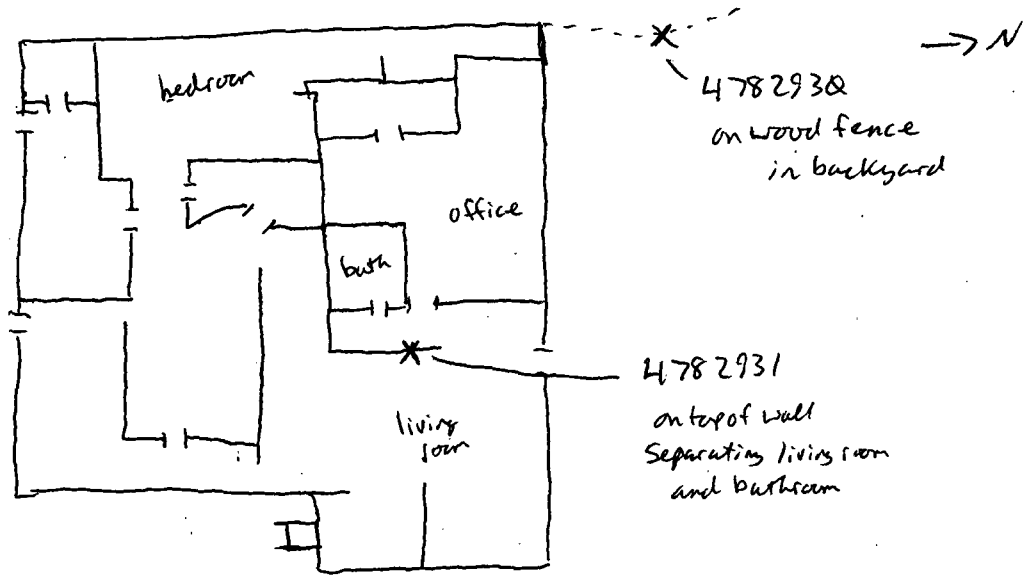
Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)
-Place outdoor sample on existing fence when present otherwise place on supplied post

(Additional observations/comments):

4795Q56 - Annual indoor



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ48
Date: 4/13/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4817787
START I.D. # MAQQ48-Q3-A
Detector OPEN (date/time) 4/13/11 1555
micro-R reading 9.0
Detector CLOSE (date/time) 8/3/11 1223
micro-R reading 9

Q3 indoor

Detector # 4783601
START I.D. # MAQQ48-Q3-D
Detector OPEN (date/time) 4/13/11 1604
micro-R reading 9.5
Detector CLOSE (date/time) 8/3/11 1233
micro-R reading 10.5

Q3 outdoor

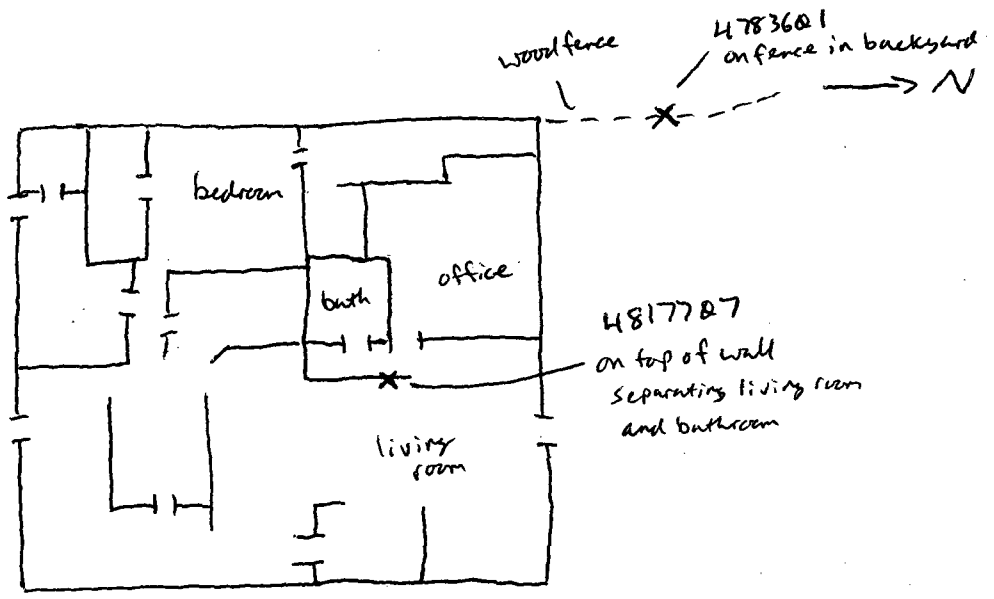
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)
-Place outdoor sample on existing fence when present otherwise place on supplied post



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ48
Date: 8/3/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832883
START I.D. # MAQQ48-Q4-A
Detector OPEN (date/time) 8/3/11 1223
micro-R reading 9
Detector CLOSE (date/time) 11/21/11 0952
micro-R reading 10.5

Q4 indoor

Detector # 4832867
START I.D. # MAQQ48-Q4-D
Detector OPEN (date/time) 8/3/11 1233
micro-R reading 10.5
Detector CLOSE (date/time) 11/21/11 1008
micro-R reading 12

Q4 outdoor

Detector# 4795856
START I.D.# MAQQ48-Q1-B
Detector OPEN(date/time) 9/14/10 —
micro-R reading —
Detector CLOSE (date/time) 11/21/11 ~~0957~~ 1000
micro-R reading 11.5

Annual

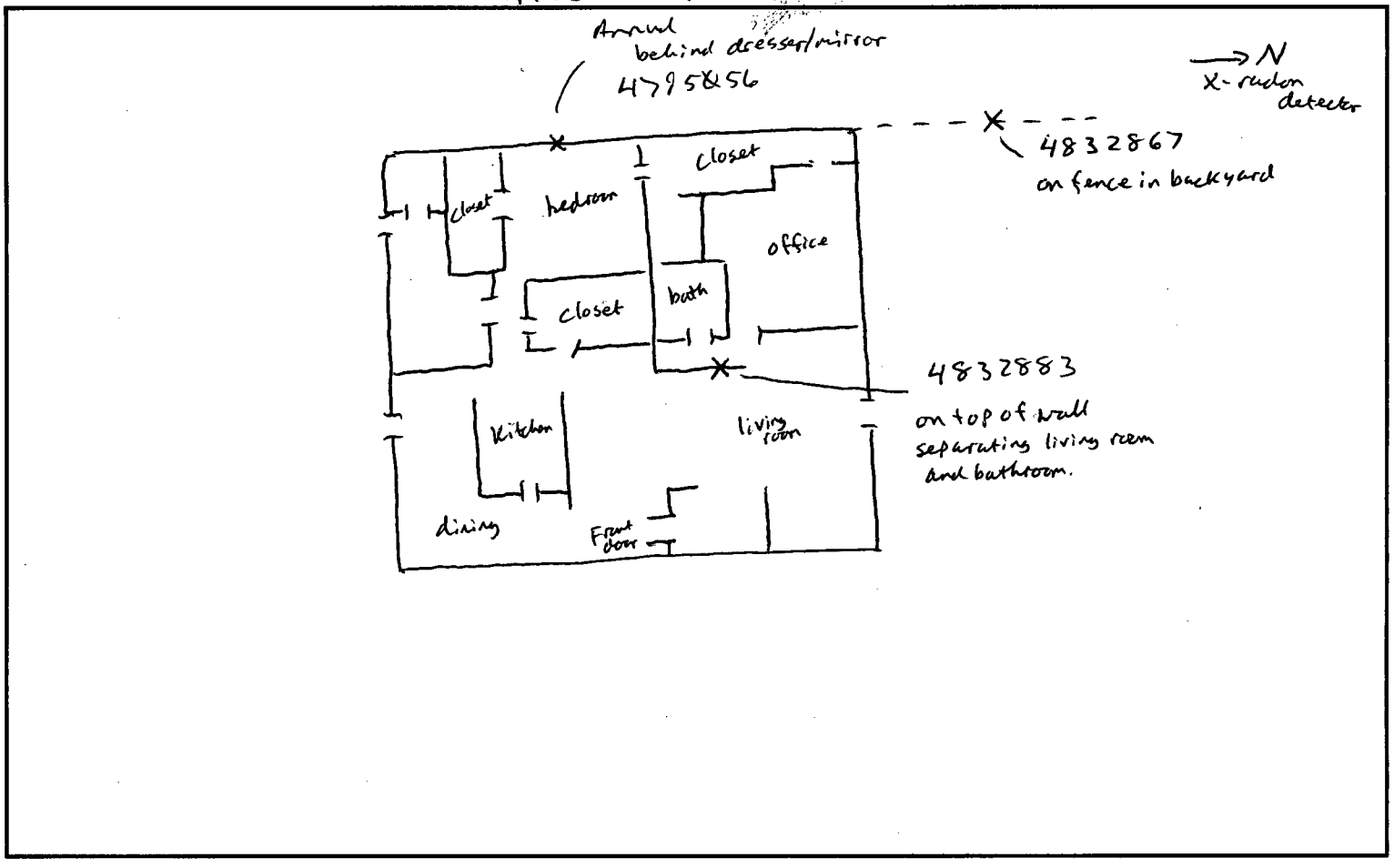
(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

4795856 - Annual



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0049
Date: 4/13/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4782932
START I.D. # — MA0049-02-A
Detector OPEN (date/time) 1/11/11
micro-R reading —
Detector CLOSE (date/time) 4/13/11 1617
micro-R reading 7.5 ~~1617~~

Q2 indoor ACOE

Detector # 4782948
START I.D. # — MA0049-02-D
Detector OPEN (date/time) 1/11/11
micro-R reading —
Detector CLOSE (date/time) 4/13/11 1629
micro-R reading 10.5

Q2 outdoor ACOE

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

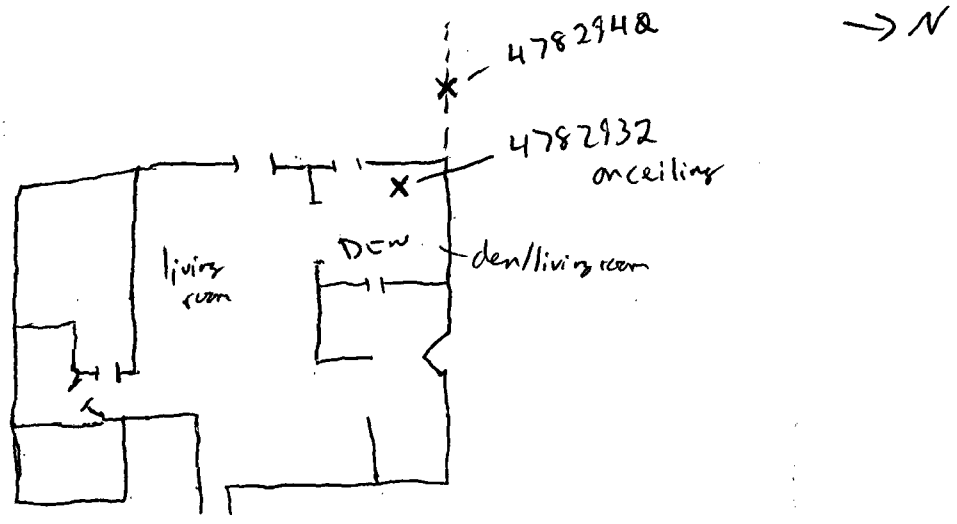
Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)
-Place outdoor sample on existing fence when present otherwise place on supplied post

(Additional observations/comments):

4795073 - Annual indoor



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ49
Date: 4/13/11
START Team Member (who completed this form): J. Evans
Additional START Team Members: J. Wright

Detector # 4817672
START I.D. # MAQQ49-Q3-A
Detector OPEN (date/time) 4/13/11 1619
micro-R reading 7.5
Detector CLOSE (date/time) 8/3/11 1154
micro-R reading 8

Q3 indoor

Detector # 4783602
START I.D. # MAQQ49-Q3-O
Detector OPEN (date/time) 4/13/11 1628
micro-R reading 10.5
Detector CLOSE (date/time) 8/3/11 1205
micro-R reading 10

Q3 outdoor

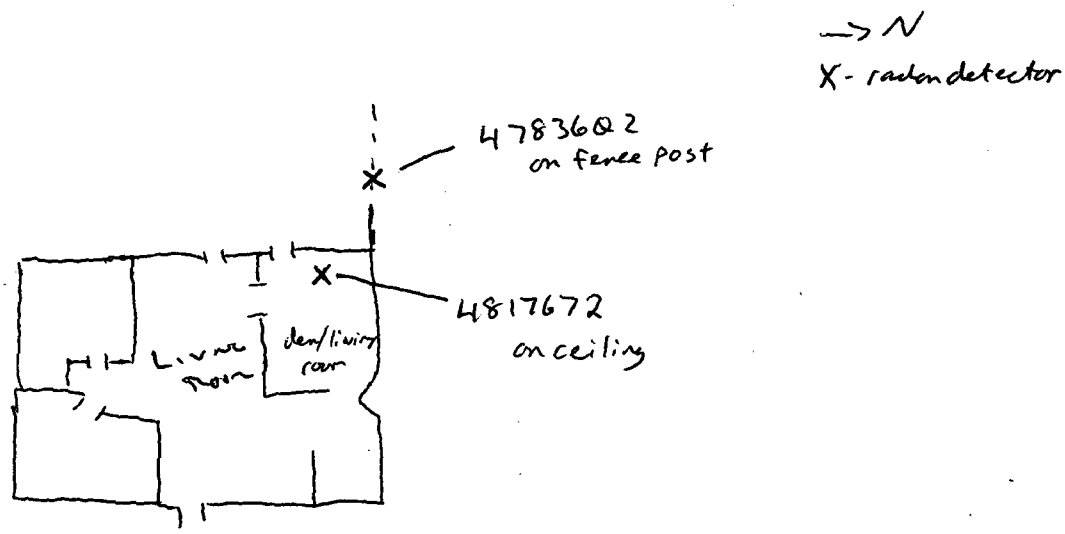
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)
-Place outdoor sample on existing fence when present otherwise place on supplied post

(Additional observations/comments): 4795873- annual



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0049
Date: 8/3/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832891
START I.D. # MA0049-Q4-A
Detector OPEN (date/time) 8/3/11 1155
micro-R reading 8
Detector CLOSE (date/time) ~~8/3/11~~ 11/21/11 1019
micro-R reading ~~18~~ 10.5

Q4 indoor

Detector # 4832898
START I.D. # MA0049-Q4-B
Detector OPEN (date/time) 8/3/11 1206
micro-R reading 10
Detector CLOSE (date/time) 11/21/11 1031
micro-R reading 12

Q4 outdoor

Detector# 4795073
START I.D.# MA0049-Q1-B
Detector OPEN(date/time) 9/15/10 —
micro-R reading —
Detector CLOSE (date/time) 11/21/11 1024
micro-R reading 8

Annual

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

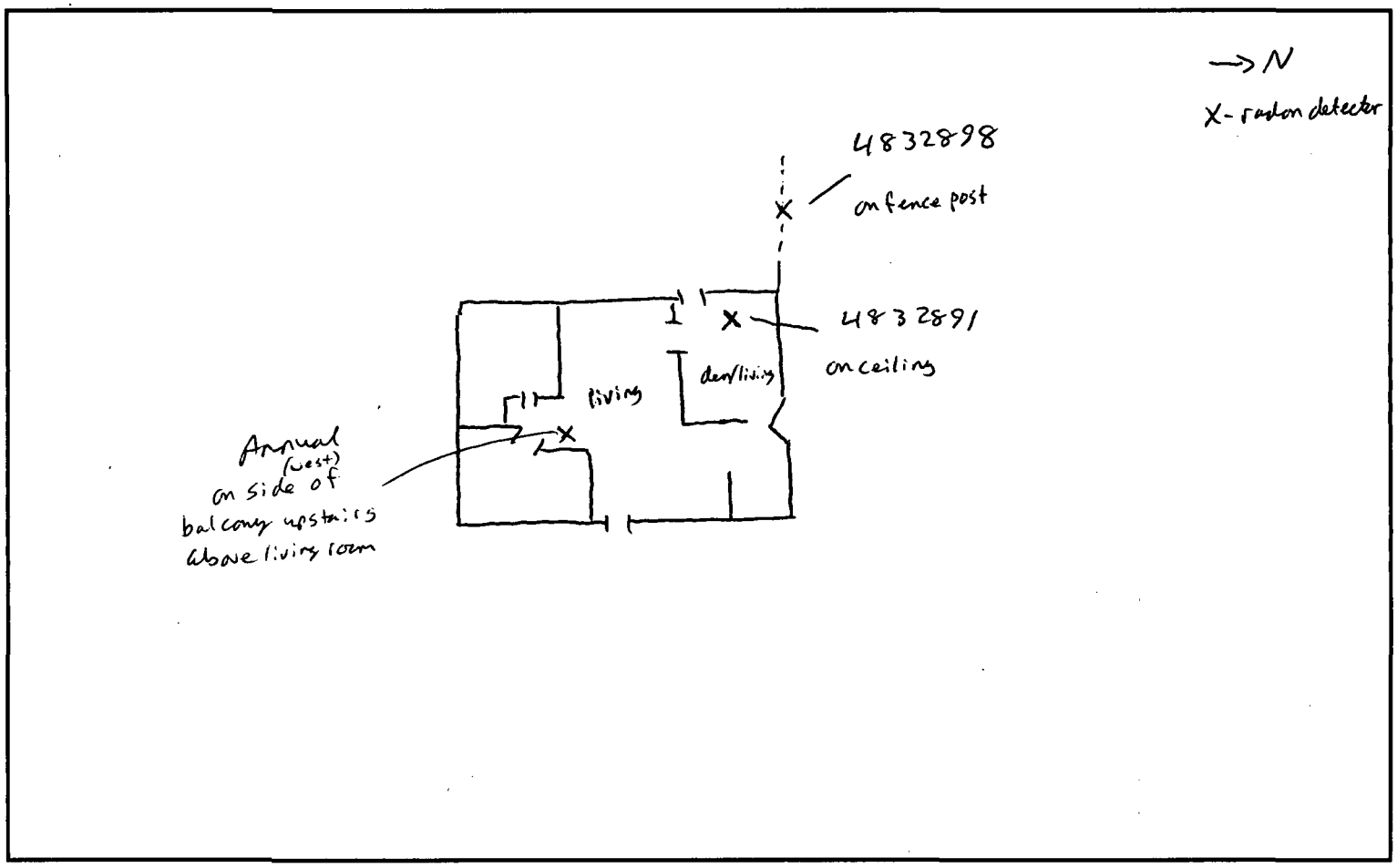
Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

★ Bring step ladder ★

4795073 - Annual



Homestake Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: MAQQ9Q
Date: 2/24/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: O. Garren

Canister # (stamped in red) 717107
START I.D. # MAQQ9Q B
Canister OPEN (date/time) 2/25/11 @ 1130
Canister CLOSE (date/time) 3/3/11 1004

Canister # (stamped in red) 717106
START I.D. # MAQQ9Q A
Canister OPEN (date/time) 2/25/11 @ 1127
Canister CLOSE (date/time) 3/3/11 1001

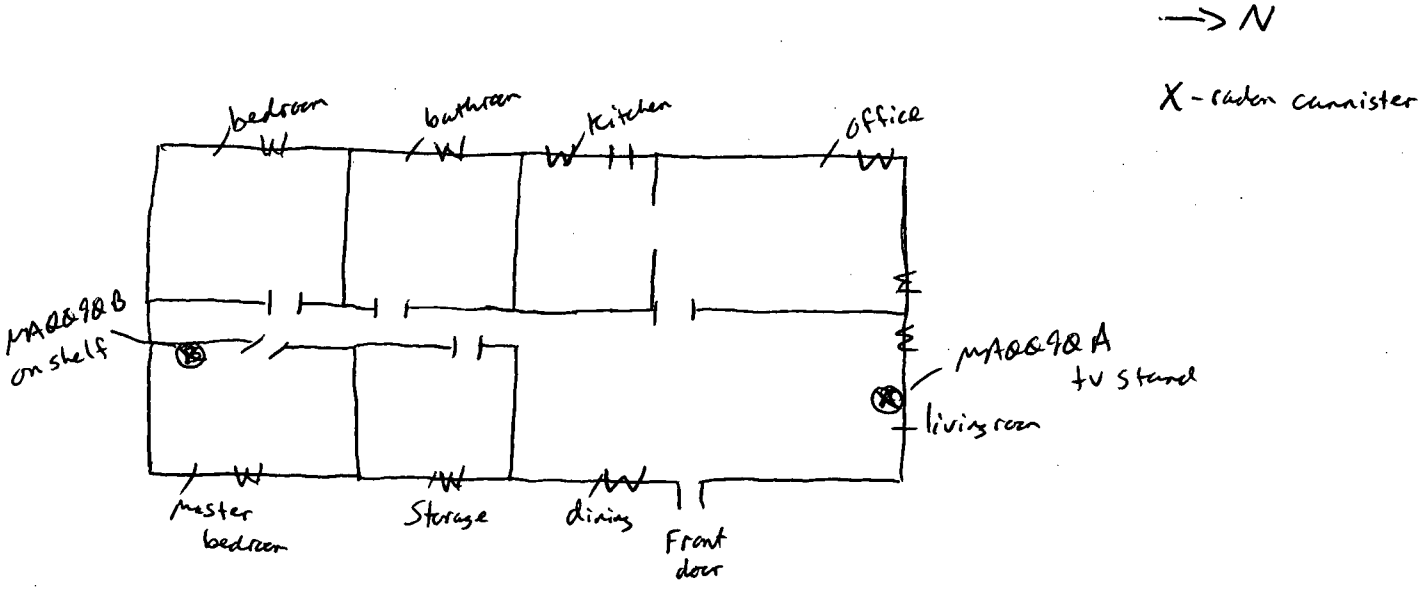
FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

RADON CANISTER PLACEMENT SKETCH
Indoor Area Only (where RADON canister is placed)

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

(P/U to 3/3 @ 1000)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ9Q
Date: 3/3/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: ~~[illegible]~~ J. Wright

Detector # 478298Q
START I.D. # MAQQ9Q-Q2-A
Detector OPEN (date/time) 3/3/11 1012
~~micro-R~~ 2x2 reading 10215 cpm
Detector CLOSE (date/time) 8/8/11 1010
micro-R reading 12

Q2

Detector #
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

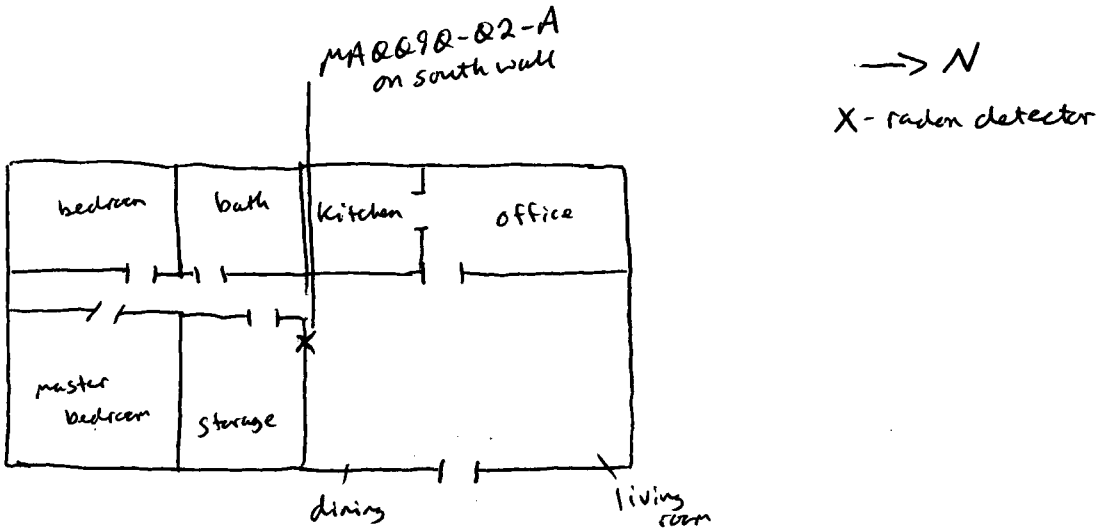
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: ~~4/27/11~~ MAQQ9Q
Date: 4/27/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sutherman

Detector # 4817922
START I.D. # MAQQ9Q-Q2-D
Detector OPEN (date/time) 4/19/11 1310
micro-R reading —
Detector CLOSE (date/time) 4/27/11 1514
micro-R reading 13.5

Q2 Outdoor US ACE

Detector # 4817385
START I.D. # MAQQ9Q-Q3-D
Detector OPEN (date/time) 4/27/11 1515
micro-R reading 13.5
Detector CLOSE (date/time) 8/8/11 1027
micro-R reading 15.5

Q3 Outdoor

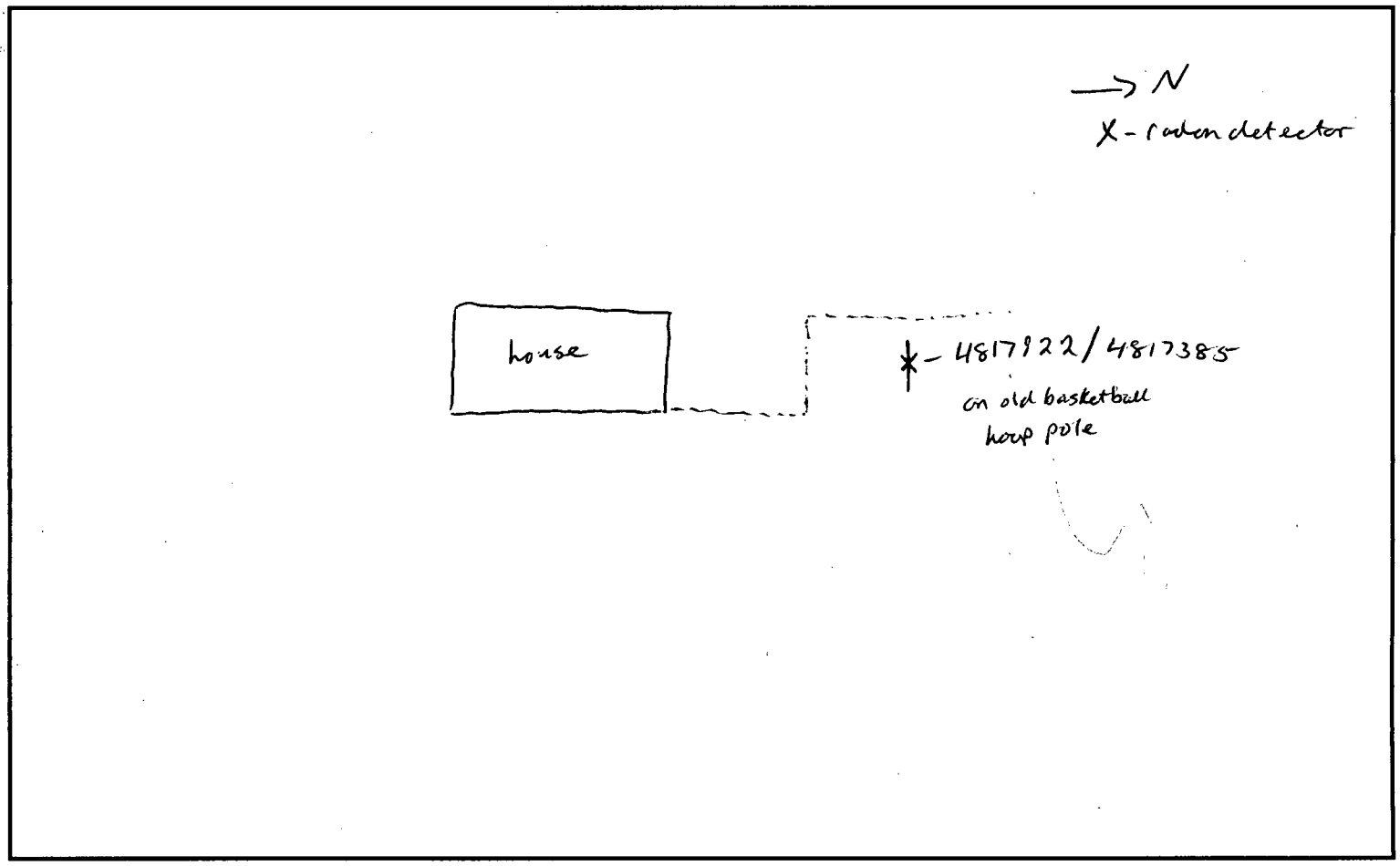
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ9Q
Date: 3/3/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Pickup

Q1

Detector # 4795147
START I.D. # MAQQ9Q-Q1-A
Detector OPEN (date/time) 9/14/2010 1000 PB
micro-R reading
Detector CLOSE (date/time) 3/3/11 1010
~~micro-R~~ CPM reading 10215 cpm

Annual

Detector # 4795174
START I.D. # MAQQ9Q-Q1-B
Detector OPEN (date/time) 9/14/2010 1000 PB
micro-R reading
Detector CLOSE (date/time) 11/12/11 1053
micro-R reading 13 uR

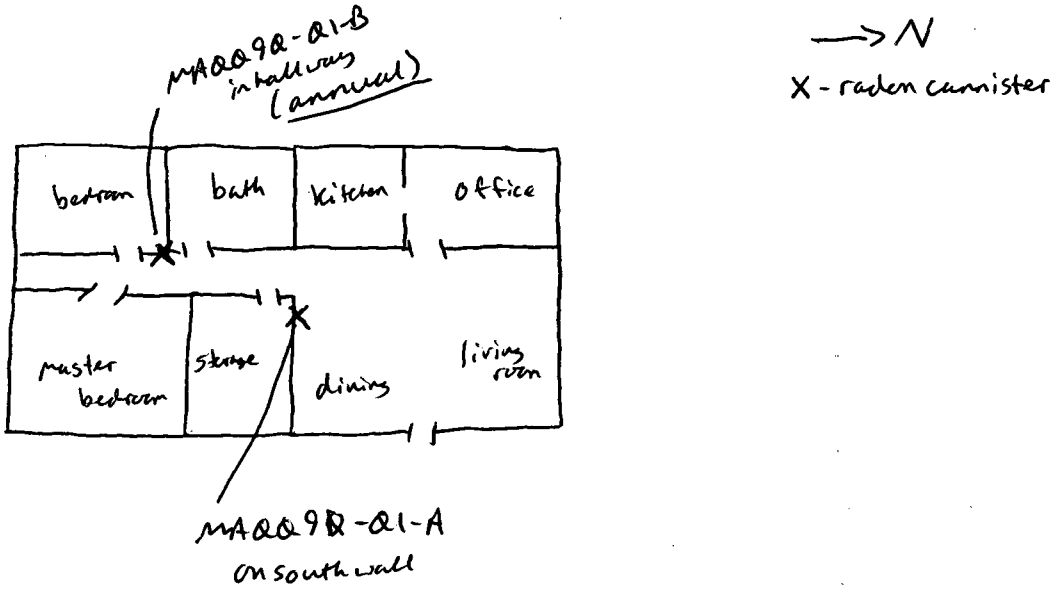
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0090
Date: ~~MA0090~~ 8/8/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832895
START I.D. # MA0090-03-A
Detector OPEN (date/time) 8/8/11 1011
micro-R reading 12
Detector CLOSE (date/time) 11/12/11 1048
micro-R reading 10.5

Q3 indoor

Detector # 4846155
START I.D. # MA0090-04-D
Detector OPEN (date/time) 8/8/11 1028
micro-R reading 15.5
Detector CLOSE (date/time) 11/12/11 1107
micro-R reading 14.5

Q4 outdoor

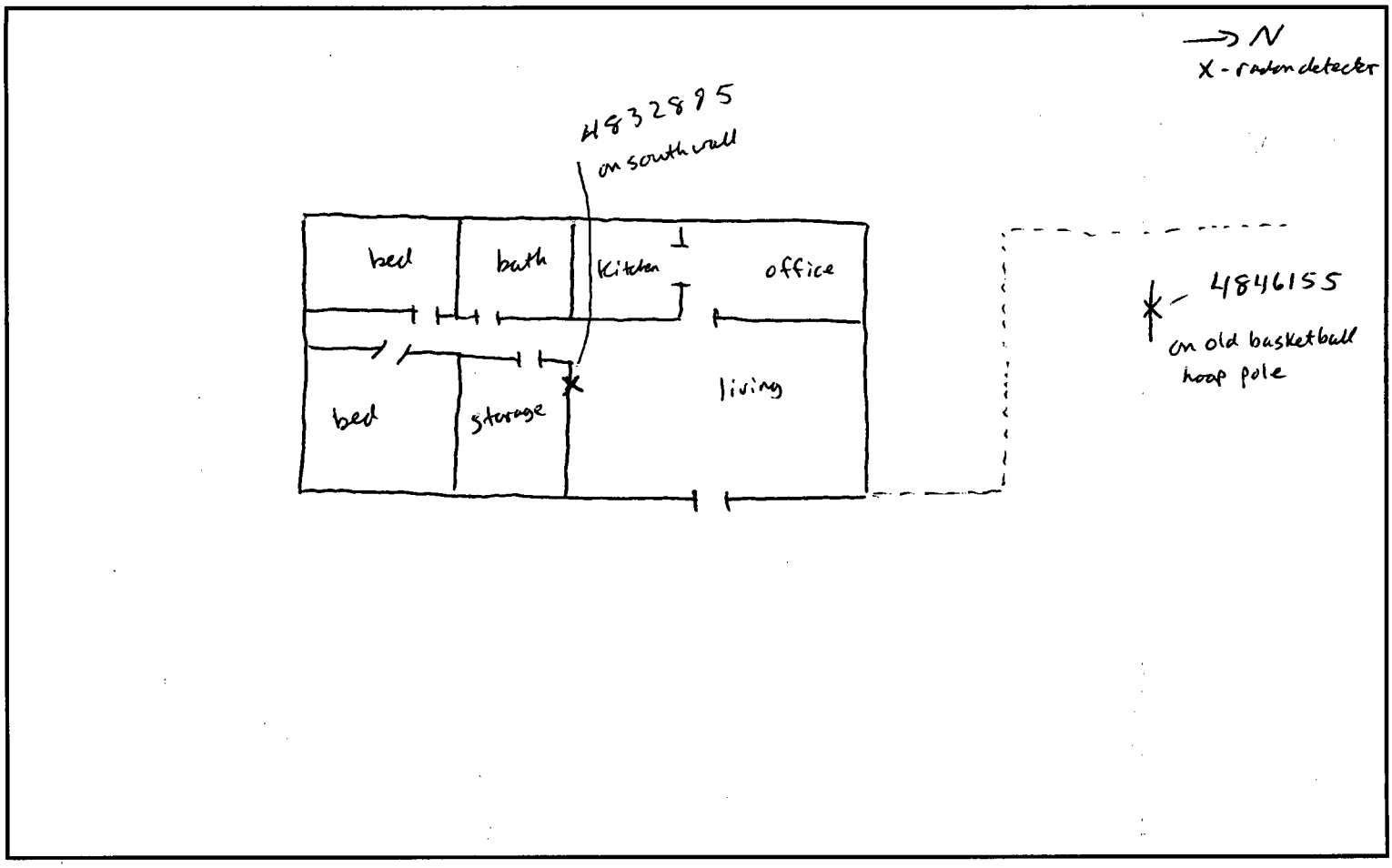
Detector# _____
START I.D.# _____
Detector OPEN(date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

(Additional observations/comments):

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



Homestake Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: MAQQ91
Date: 2/24/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: O. Garren

Canister # (stamped in red) ~~B~~ TE 717112
START I.D. # ~~MAQQ91-01-B~~ TE MAQQ91B
Canister OPEN (date/time) 2/24/11 1224
Canister CLOSE (date/time) 3/1/11 @ 1647

Canister # (stamped in red) 717113
START I.D. # ~~MAQQ91-01-A~~ TE MAQQ91A
Canister OPEN (date/time) 2/24/11 1220
Canister CLOSE (date/time) 3/1/11 @ 1645

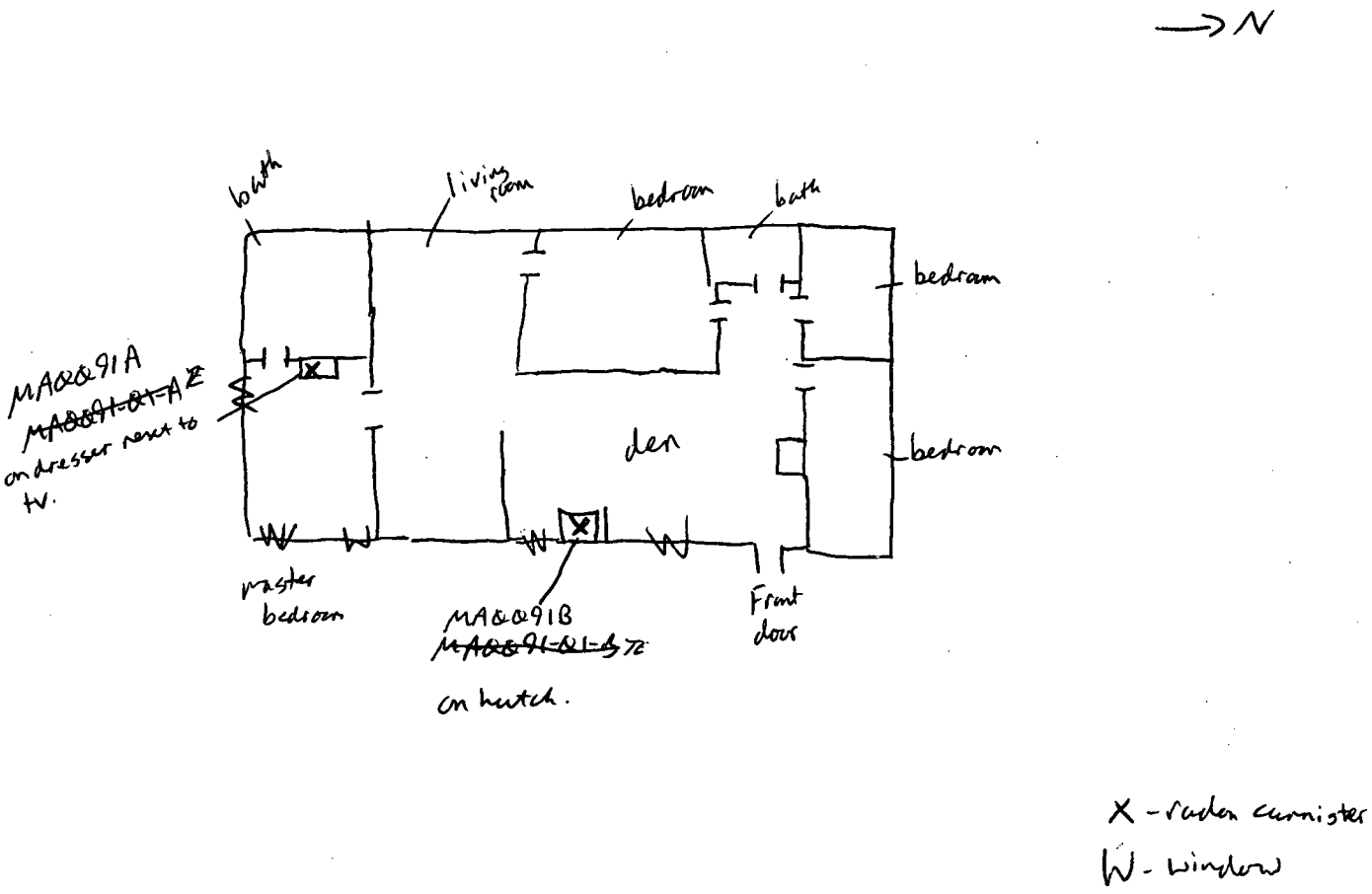
FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

RADON CANISTER PLACEMENT SKETCH

Indoor Area Only (where RADON canister is placed)

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ91
Date: 4/23/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4783558
START I.D. # MAQQ91-Q2-A
Detector OPEN (date/time) 1/19/11 1324
micro-R reading —
Detector CLOSE (date/time) 4/23/11 1403
micro-R reading 10.5

Q2 indoor USACE

Detector # 4783557
START I.D. # MAQQ91-Q2-D
Detector OPEN (date/time) 1/19/11 1324
micro-R reading —
Detector CLOSE (date/time) 4/23/11 1447
micro-R reading 10.5 uR

Q2 outdoor USACE

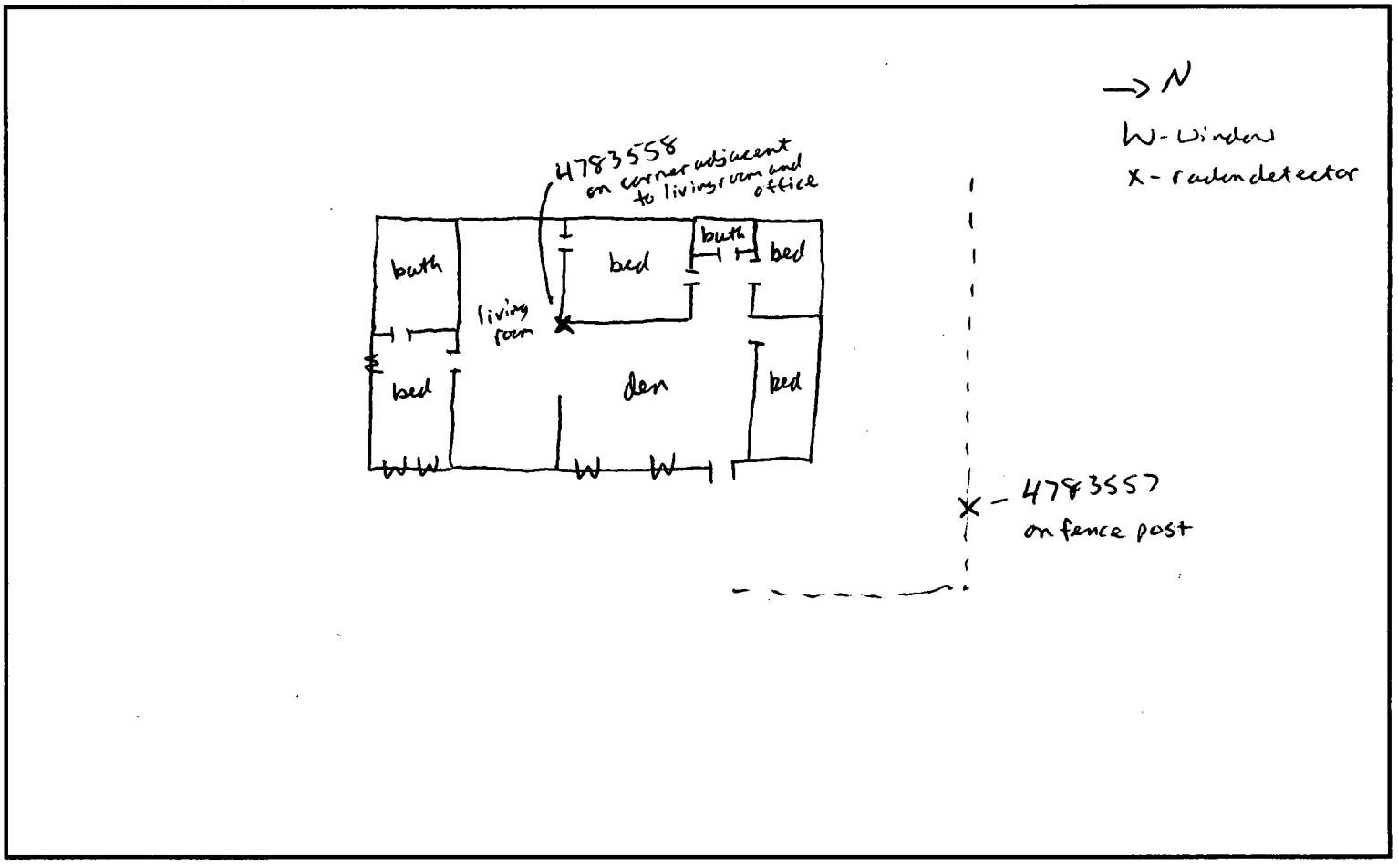
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ91
Date: 4/23/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4817414
START I.D. # MAQQ91-Q3-A
Detector OPEN (date/time) 4/23/11 1406
micro-R reading 10.5
Detector CLOSE (date/time) 8/8/11 1510
micro-R reading 11

Q3 indoor

Detector # 4817462
START I.D. # MAQQ91-Q3-D
Detector OPEN (date/time) 4/23/11 1450
micro-R reading 10.5
Detector CLOSE (date/time) 8/8/11 1524
micro-R reading 11

Q3 outdoor

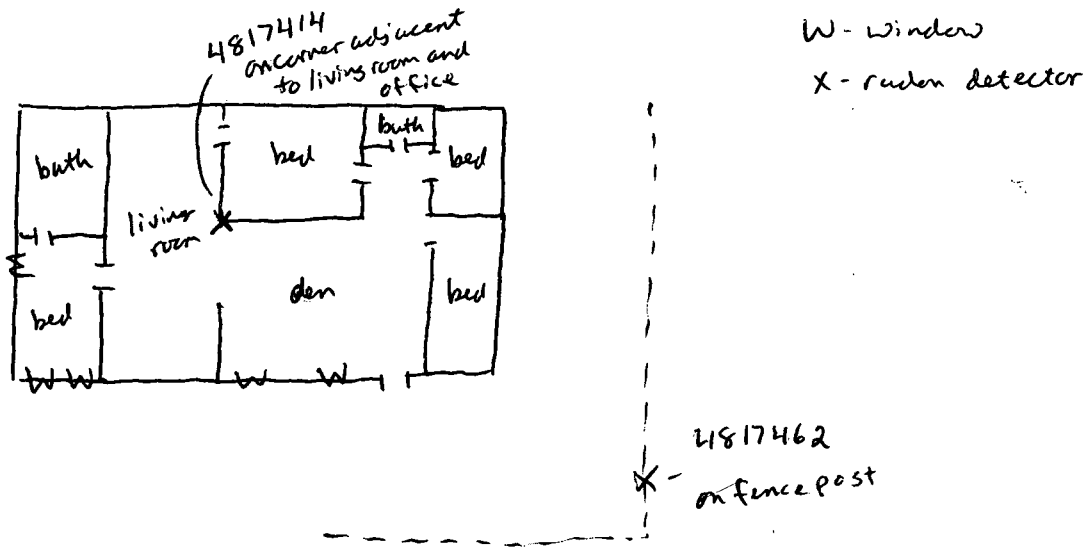
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0091
Date: 8/8/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832816
START I.D. # MA0091-04-A
Detector OPEN (date/time) 8/8/11 1511
micro-R reading 11
Detector CLOSE (date/time) 11/12/11 1208
micro-R reading 11

Q4 indoor

Detector # 4832831
START I.D. # MA0091-04-D
Detector OPEN (date/time) 8/8/11 1525
micro-R reading 11
Detector CLOSE (date/time) 11/12/11 1240
micro-R reading 12.5

Q4 outdoor

Detector# 4795079
START I.D.# MA0091-01-B
Detector OPEN(date/time) 9/14/10 1200
micro-R reading —
Detector CLOSE (date/time) 11/12/11 1218
micro-R reading 11.5

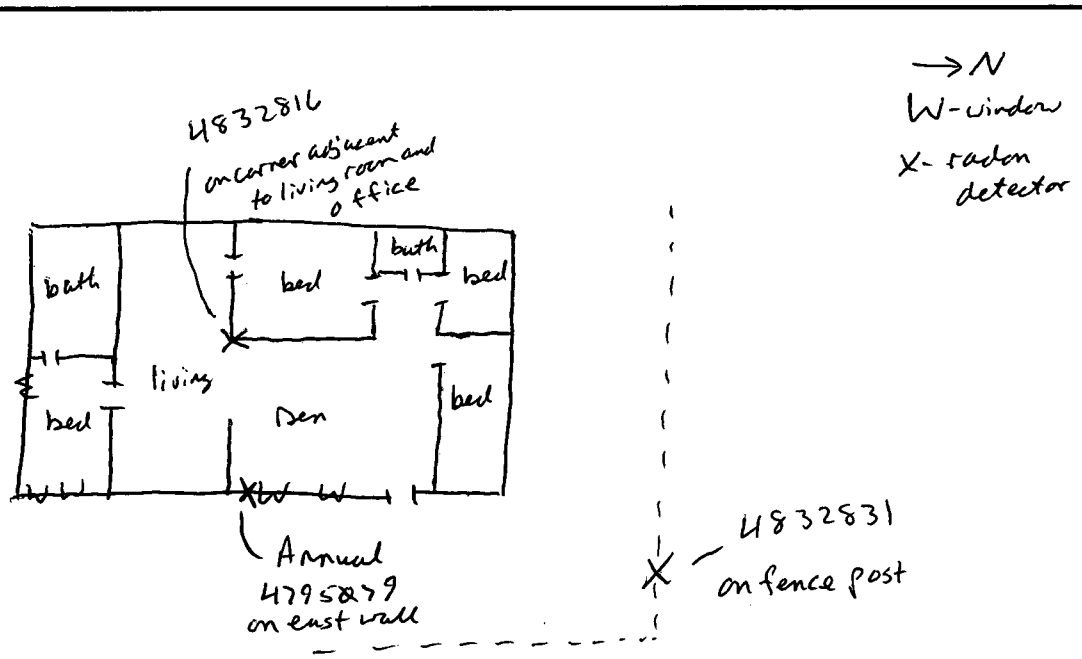
Annual

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



Homestake Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: MA0094
Date: 2/24/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: O. Garren

Canister # (stamped in red) 717099
START I.D. # ~~MA0094-01-B~~ MA0094B
Canister OPEN (date/time) 2/24/11 1252
Canister CLOSE (date/time) 3/1/11 @ 1638

Canister # (stamped in red) 717108
START I.D. # ~~MA0094-01-A~~ MA0094A
Canister OPEN (date/time) 2/24/11 1250
Canister CLOSE (date/time) 3/1/11 @ 1635

FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

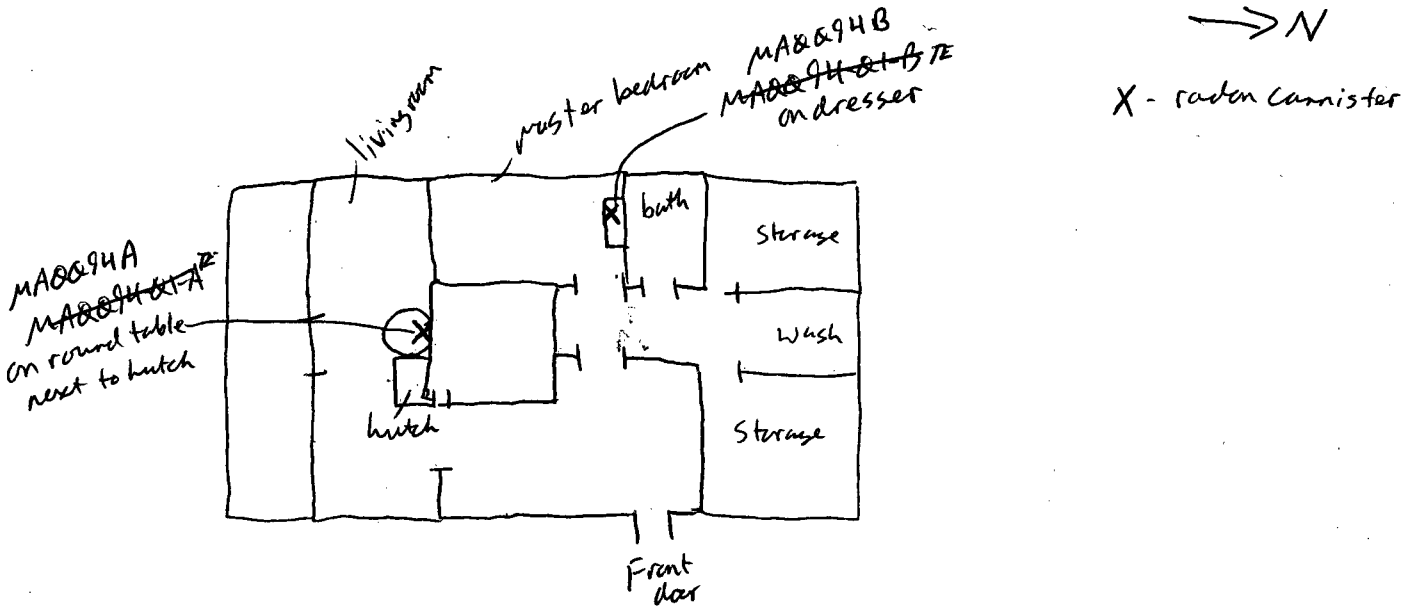
RADON CANISTER PLACEMENT SKETCH

Indoor Area Only (where RADON canister is placed)

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

90 DAY 4817909 hallway
4795063 living room



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ94
Date: 4/23/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Suleiman

Detector # 4795863
START I.D. # MAQQ94-Q2-A
Detector OPEN (date/time) 1/19/11 1340
micro-R reading —
Detector CLOSE (date/time) 4/23/11 1516
micro-R reading 11.5

Q2 indoor USACE

Detector # 4817918
START I.D. # MAQQ94-Q2-O
Detector OPEN (date/time) 1/19/11 1340
micro-R reading —
Detector CLOSE (date/time) 4/23/11 1531
micro-R reading 12

Q2 outdoor USACE

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

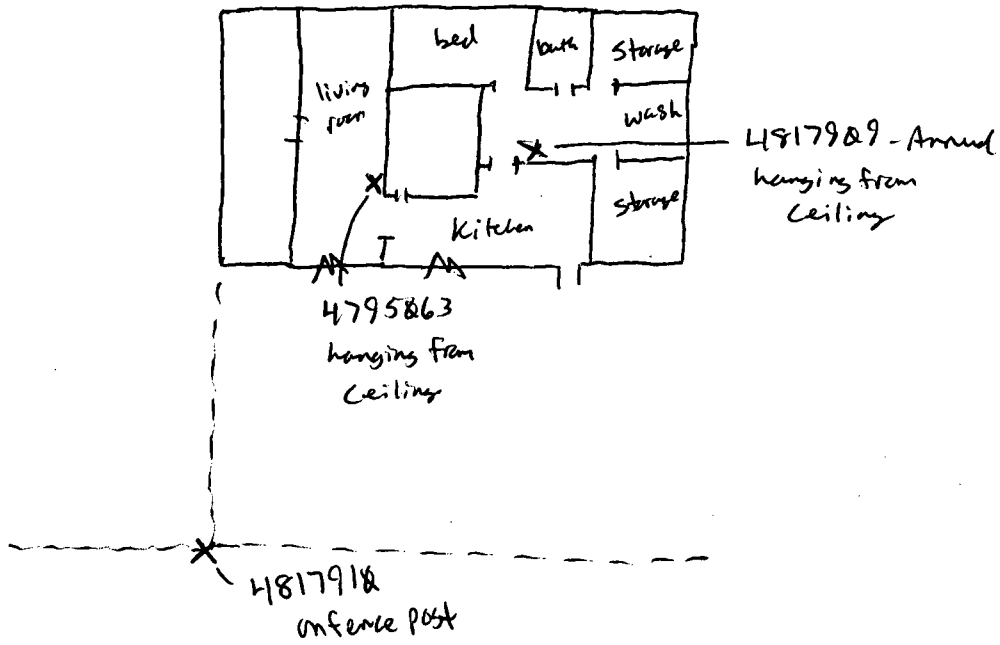
(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

4817989 - Annual



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ94
Date: 4/23/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4817369
START I.D. # MAQQ94-Q3-A
Detector OPEN (date/time) 4/23/11 1517
micro-R reading 11.5
Detector CLOSE (date/time) 8/8/11 1538
micro-R reading 11

Q3 indoor

Detector # 4817382
START I.D. # MAQQ94-Q3-D
Detector OPEN (date/time) 4/23/11 1531
micro-R reading 12
Detector CLOSE (date/time) 8/8/11 1549
micro-R reading 12

Q3 outdoor

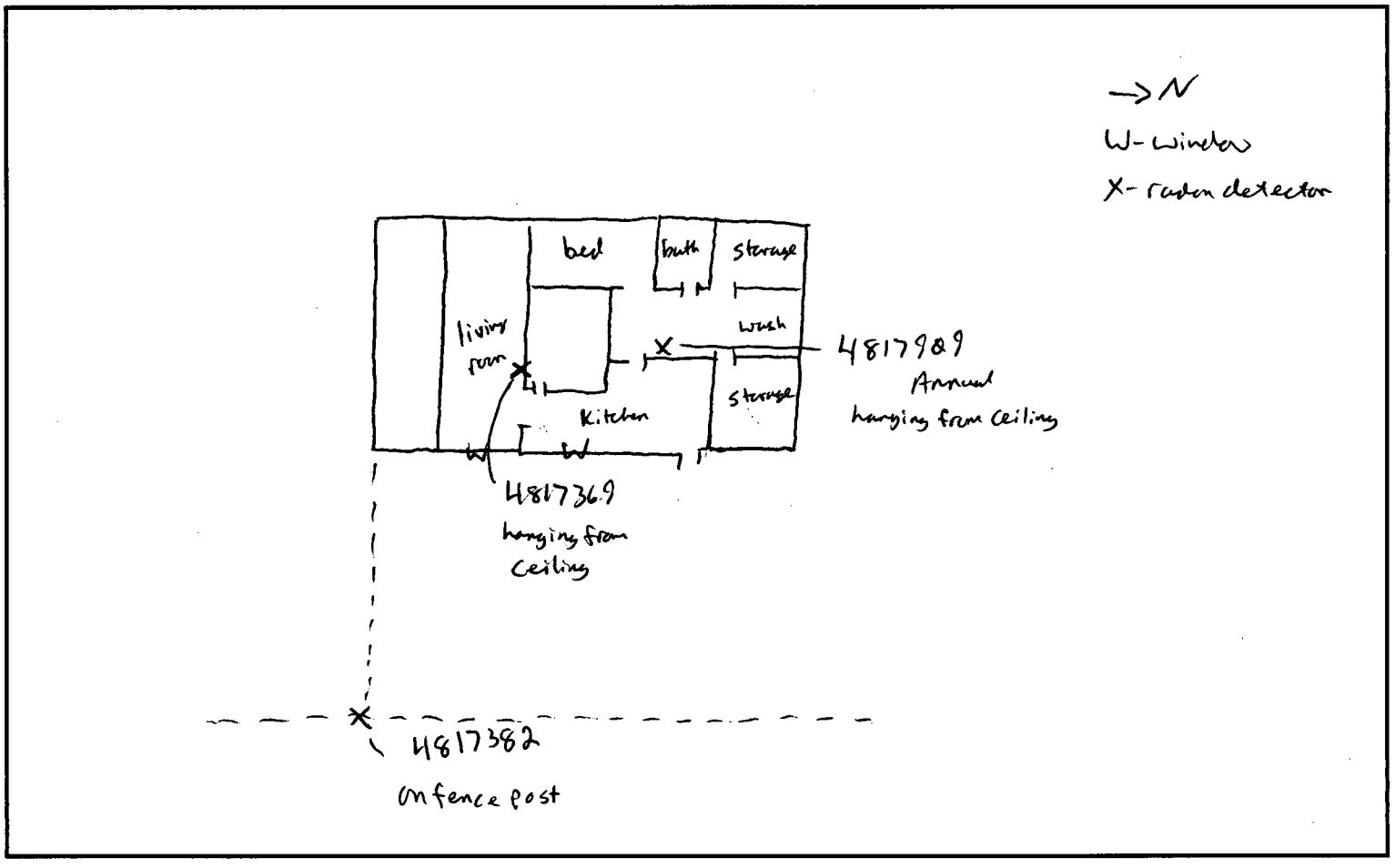
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0094
Date: 8/8/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832879
START I.D. # MA0094-Q4-A
Detector OPEN (date/time) 8/8/11 1539
micro-R reading 11
Detector CLOSE (date/time) 11/12/11 1255
micro-R reading 10

Q4 indoor

Detector # 4832857
START I.D. # MA0094-Q4-D
Detector OPEN (date/time) 8/8/11 1550
micro-R reading 12
Detector CLOSE (date/time) 11/12/11 1308
micro-R reading 11.5

Q4 outdoor

Detector# 4817989
START I.D.# MA0094-Q1-B
Detector OPEN(date/time) 9/14/10 1200
micro-R reading —
Detector CLOSE (date/time) 11/12/11 1302
micro-R reading 9

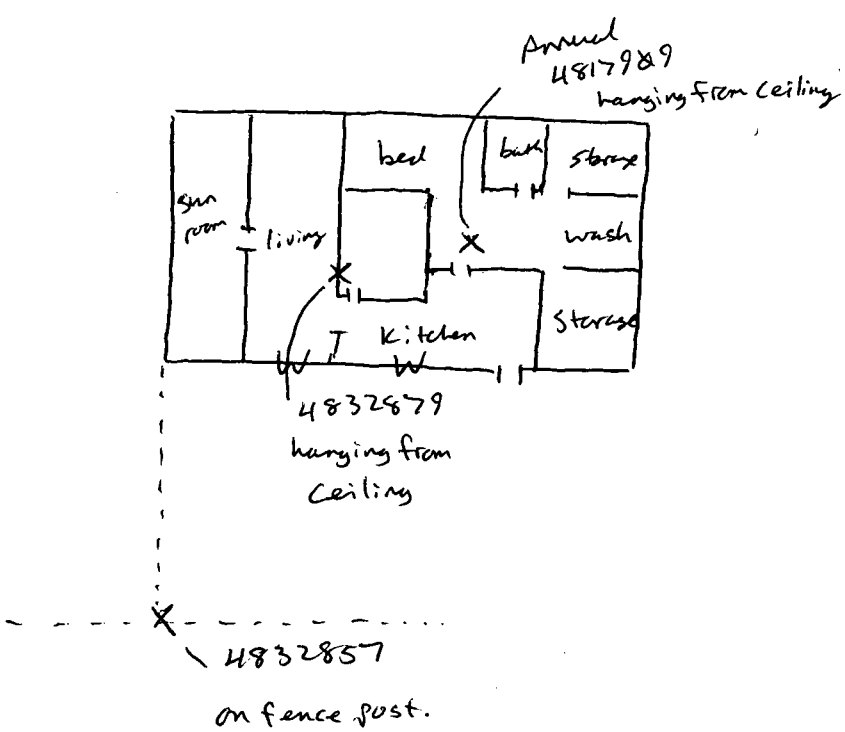
Annual

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



Homestake Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: MA0097
Date: 4/12/11
START Team Member (who completed this form): J. Wright
Additional START Team Members: T. Evans.

Canister # (stamped in red) 717127
START I.D. # MA0097B
Canister OPEN (date/time) 4/12/11 1422
Canister CLOSE (date/time) 4/18/11 0847

Canister # (stamped in red) 717120
START I.D. # MA0097A
Canister OPEN (date/time) 4/12/11 1422
Canister CLOSE (date/time) 4/18/11 0847

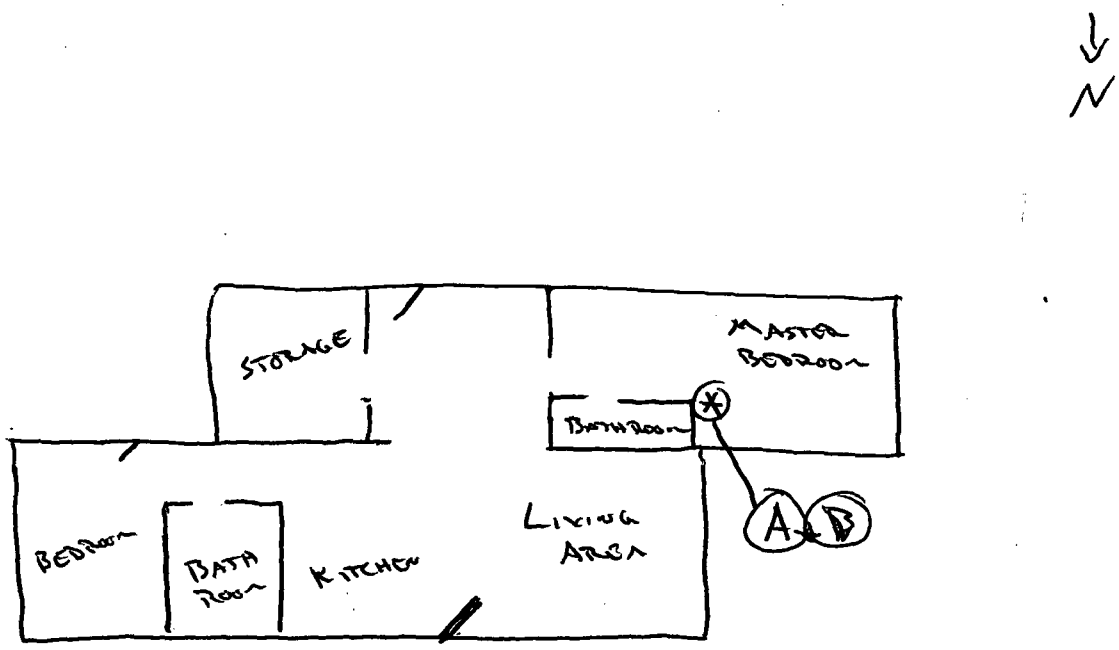
FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

RADON CANISTER PLACEMENT SKETCH

Indoor Area Only (where RADON canister is placed)

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ97
Date: 4/18/11
START Team Member (who completed this form): J. Evans
Additional START Team Members: J. Wright

Detector # 4817913
START I.D. # MAQQ97-Q2-A
Detector OPEN (date/time) 1/19/11 —
micro-R reading —
Detector CLOSE (date/time) 4/18/11 0852
micro-R reading 8.0

Q2 indoor USACE

Detector # 4817912
START I.D. # MAQQ97-Q2-D
Detector OPEN (date/time) 1/19/11 —
micro-R reading —
Detector CLOSE (date/time) 4/18/11 0903
micro-R reading 12.5

Q2 outdoor USACE

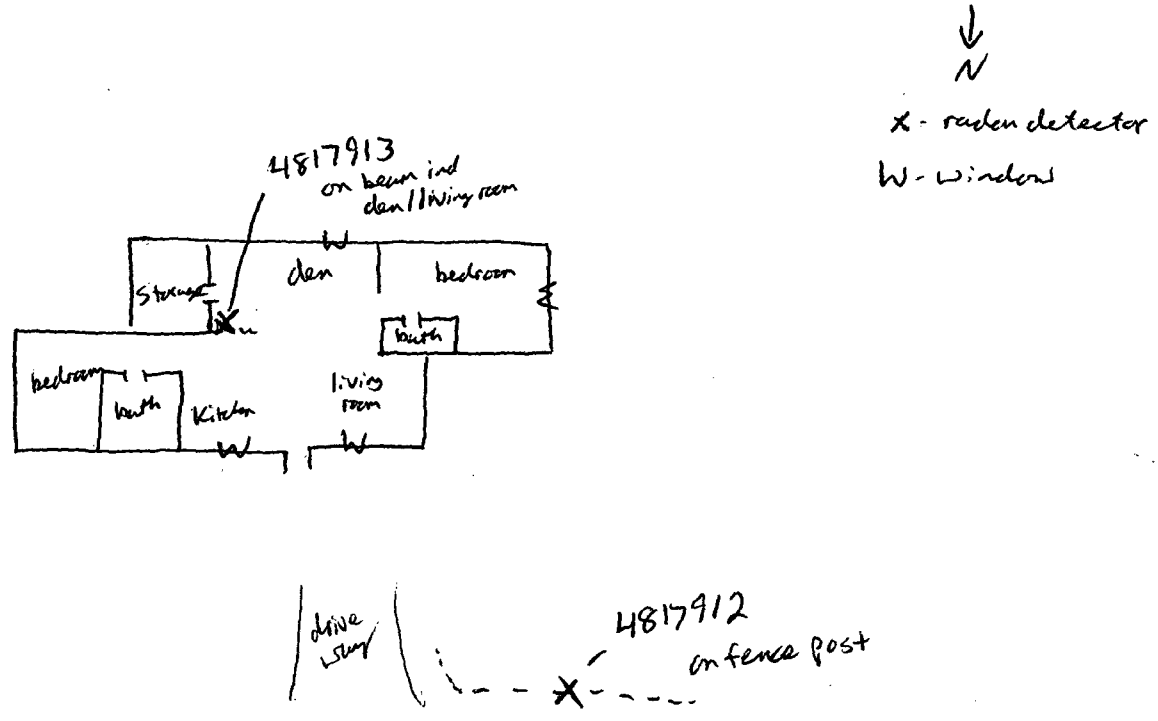
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garag or porch)
-Place outdoor sample on existing fence when present otherwise place on supplied post



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. # MAQQ97
Date: 4/18/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4817430
START I.D. # MAQQ97-Q3-A
Detector OPEN (date/time) 4/18/11 0854
micro-R reading 8.0
Detector CLOSE (date/time) Detector Lost
micro-R reading 11

Q3 indoor

Detector # 4783554
START I.D. # MAQQ97-Q3-D
Detector OPEN (date/time) 4/18/11 0902
micro-R reading 12.5
Detector CLOSE (date/time) 8/17/11 0808
micro-R reading 14

Q3 outdoor

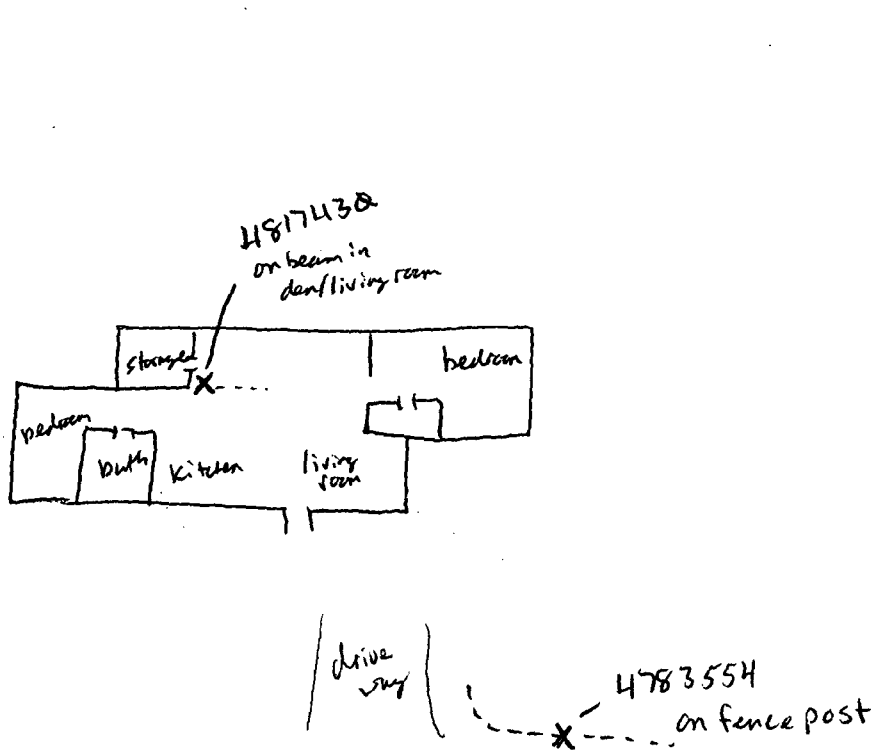
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garag or porch)
-Place outdoor sample on existing fence when present otherwise place on supplied post



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA&&97
Date: 8/17/11
START Team Member (who completed this form): J. Evans
Additional START Team Members: R. Sherman

Detector # 4846239
START I.D. # MA&&97-&4-A
Detector OPEN (date/time) 8/17/11 0826
micro-R reading 11
Detector CLOSE (date/time) 11/21/11 1428
micro-R reading 10.5

Q4 indoor

Detector # 4846255
START I.D. # MA&&97-&4-D
Detector OPEN (date/time) 8/17/11 0809
micro-R reading 14
Detector CLOSE (date/time) 11/21/11 1442
micro-R reading 12

Q4 outdoor

Detector# 4795129
START I.D.# MA&&97-&1-B
Detector OPEN(date/time) 9/14/10 –
micro-R reading
Detector CLOSE (date/time) 11/21/11 1434
micro-R reading 10.5

Annual

Detector # (DUPLICATE ONLY) 4846245
START I.D. # MA&&97-&4-C
Detector OPEN (date/time) 8/17/11 0826
micro-R reading 11
Detector CLOSE (date/time) 11/21/11 1428
micro-R reading 10.5

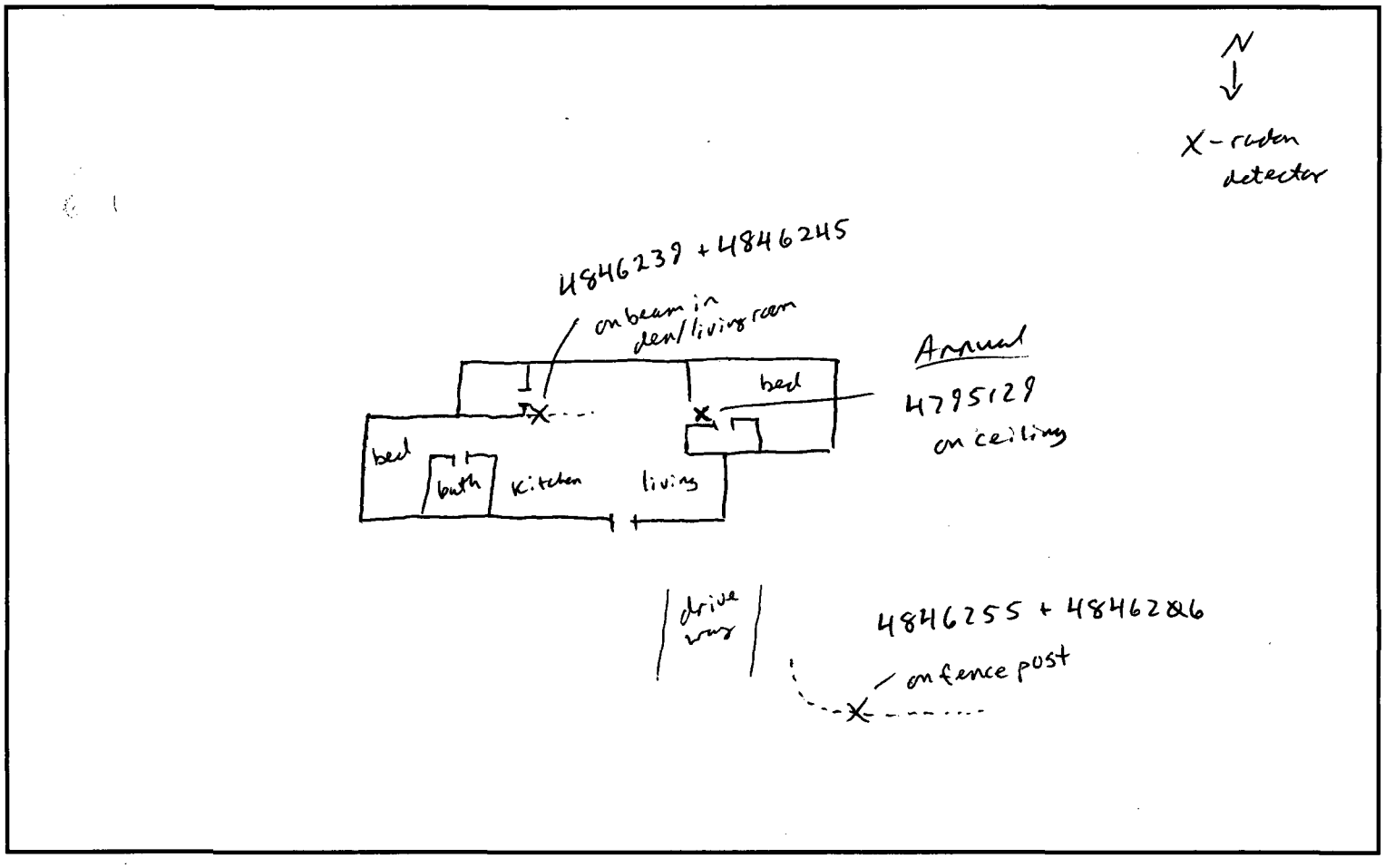
Q4 indoor duplicate

Detector # (DUPLICATE ONLY) 4846286
START I.D. # MA&&97-&4-E
Detector OPEN (date/time) 8/17/11 0809
micro-R reading 14
Detector CLOSE (date/time) 11/21/11 1442
micro-R reading 12

Q4 outdoor detector duplicate

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQQ99
Date: 4/20/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4822985
START I.D. # MAQQ99-Q2-A
Detector OPEN (date/time) 4/15/11 1216
micro-R reading —
Detector CLOSE (date/time) 4/20/11 1540
micro-R reading 8.0

Q2 indoor USACE

Detector # 4822950
START I.D. # MAQQ99-Q2-D
Detector OPEN (date/time) 4/15/11 1216
micro-R reading —
Detector CLOSE (date/time) 4/20/11 1552
micro-R reading 12.0

Q2 outdoor USACE

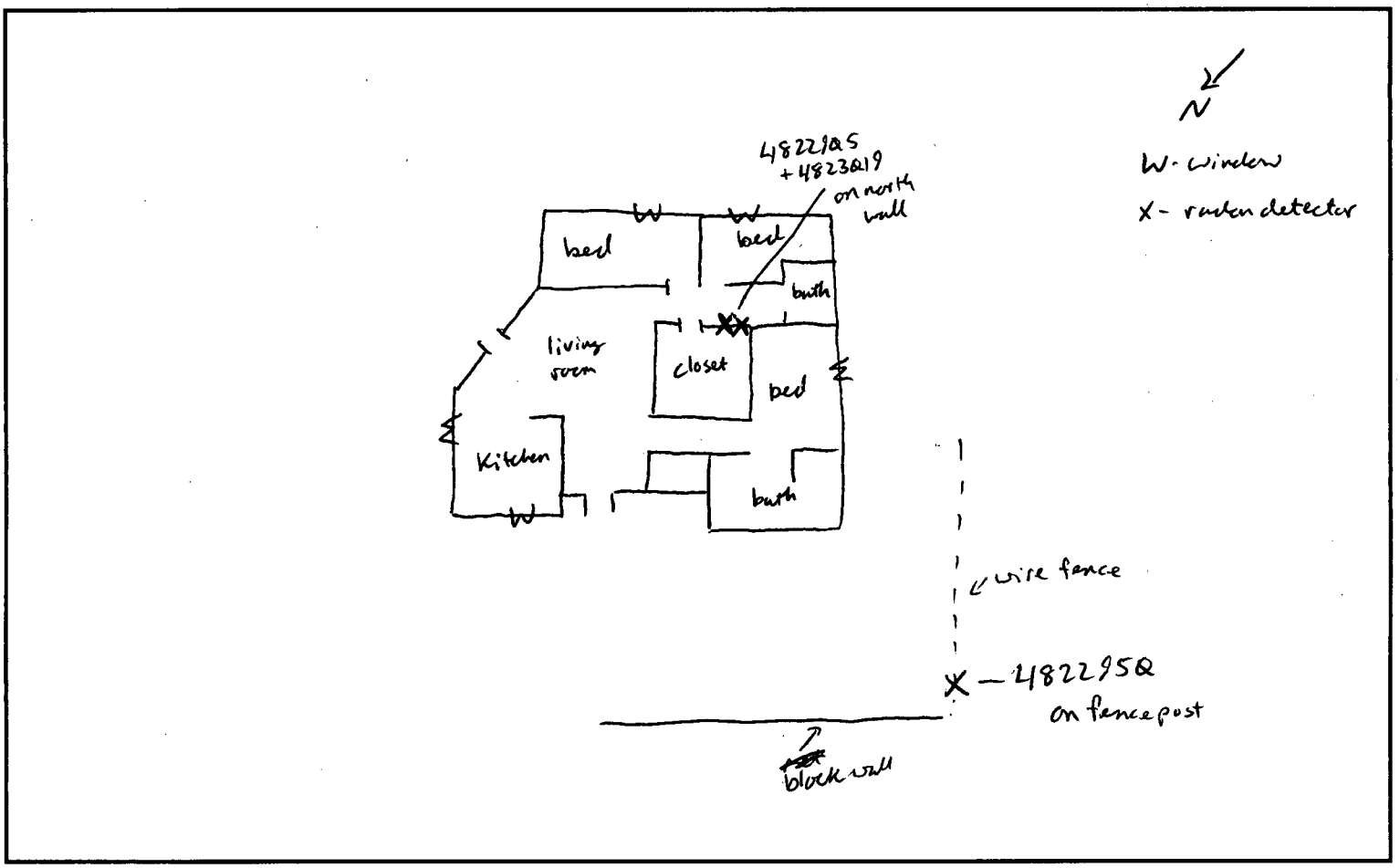
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY) 4823019
START I.D. # MAQQ99-Q2-C
Detector OPEN (date/time) 4/15/11 1216
micro-R reading —
Detector CLOSE (date/time) 4/20/11 1540
micro-R reading 8.0

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0099
Date: 8-12-2011
START Team Member (who completed this form): Sherman
Additional START Team Members:

Detector # 4846359
START I.D. # MA0099-04-A
Detector OPEN (date/time) 8-12-2011 1404
micro-R reading 9.0
Detector CLOSE (date/time) 11/19/11 1102
micro-R reading 8

Q4 indoor

Detector # 4846252
START I.D. # MA0099-04-D
Detector OPEN (date/time) 8-12-2011 1420
micro-R reading 12
Detector CLOSE (date/time) 11/19/11 1112
micro-R reading 11.5

Q4 outdoor

Detector# 4783341
START I.D.# MA0099-01-B
Detector OPEN(date/time) 9/16/10 —
micro-R reading —
Detector CLOSE (date/time) 11/19/11 1106
micro-R reading 8

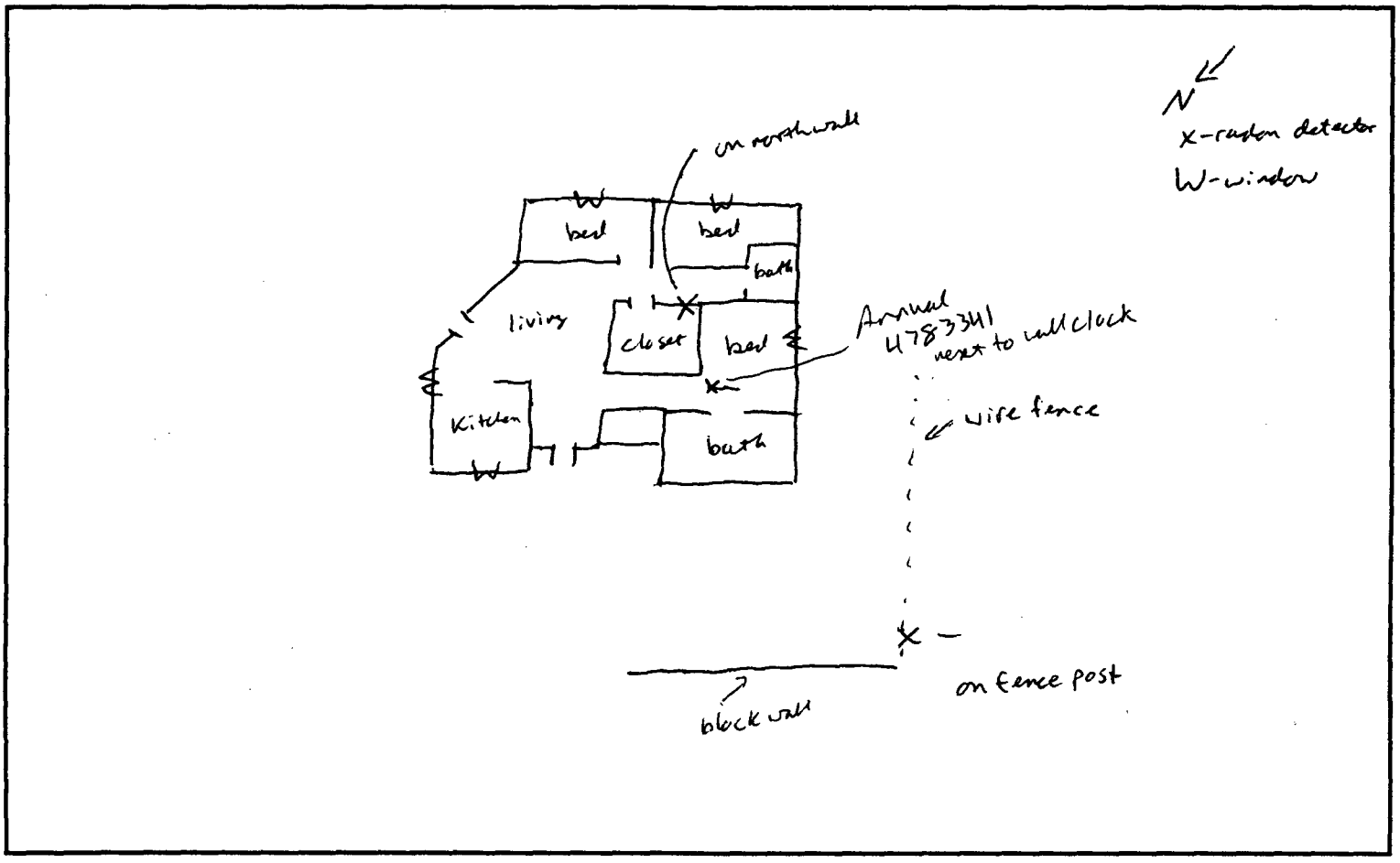
Annual

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY) 4846192
START I.D. # MA0099-04-E
Detector OPEN (date/time) 8-12-11 1420
micro-R reading 12
Detector CLOSE (date/time) 11/19/11 1112
micro-R reading 11.5

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0100
Date: 4/19/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4822986
START I.D. # MA0100-02-A
Detector OPEN (date/time) 1/12/11 1330
micro-R reading —
Detector CLOSE (date/time) 4/19/11 1105
micro-R reading 10

Q2 indoor

Detector # 4783116
START I.D. # MA0100-02-D
Detector OPEN (date/time) 1/13/11 —
micro-R reading —
Detector CLOSE (date/time) 4/19/11 1115
micro-R reading 11

Q2 outdoor

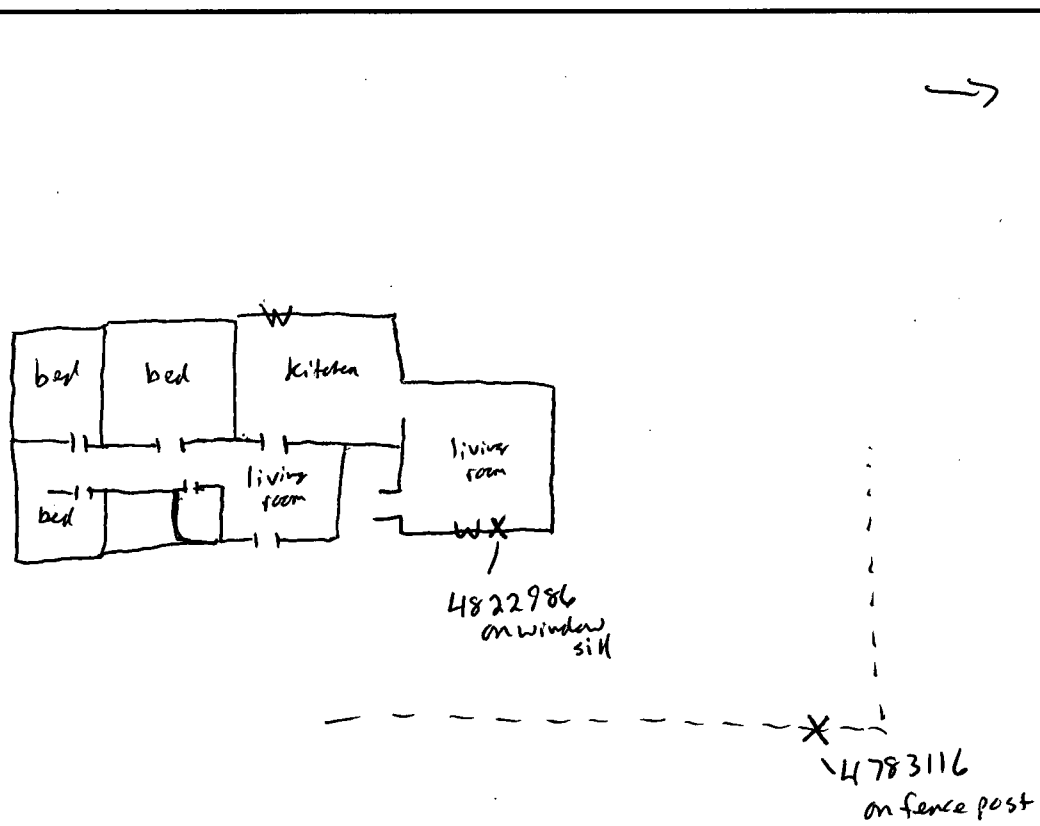
Detector# _____
START I.D.# _____
Detector OPEN(date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

(Additional observations/comments):

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Detector # (DUPLICATE ONLY) _____
START I.D. # _____
Detector OPEN (date/time) _____
micro-R reading _____
Detector CLOSE (date/time) _____
micro-R reading _____

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQ1QQ
Date: 4/19/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4817459
START I.D. # MAQ1QQ-Q3-A
Detector OPEN (date/time) 4/19/11 1106
micro-R reading 10
Detector CLOSE (date/time) 8/5/11 1556
micro-R reading 9.5

Q3 indoor

Detector # 4783647
START I.D. # MAQ1QQ-Q3-O
Detector OPEN (date/time) 4/19/11 1117
micro-R reading 11
Detector CLOSE (date/time) 8/5/11 ~~1556~~ 1604
micro-R reading 11

Q3 outdoor

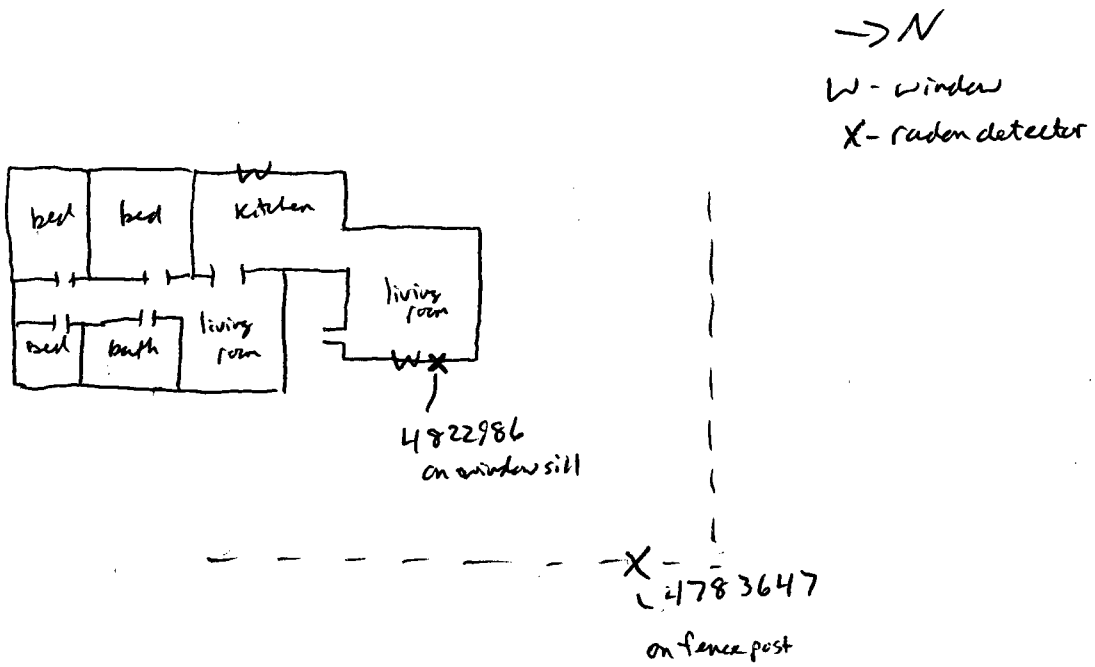
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0100
Date: 8/5/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832856
START I.D. # MA0100-Q4-A
Detector OPEN (date/time) 8/5/11 1557
micro-R reading 9.5
Detector CLOSE (date/time) 11/19/11 1037
micro-R reading 10

Q4 indoor

Detector # 4846139
START I.D. # MA0100-Q4-D
Detector OPEN (date/time) 8/5/11 1605
micro-R reading 11
Detector CLOSE (date/time) 11/19/11 1045
micro-R reading 10.5

Q4 outdoor

Detector# 4795151
START I.D.# MA0100-Q1-B
Detector OPEN(date/time) 9/14/10 —
micro-R reading —
Detector CLOSE (date/time) 11/19/11 1031
micro-R reading 9

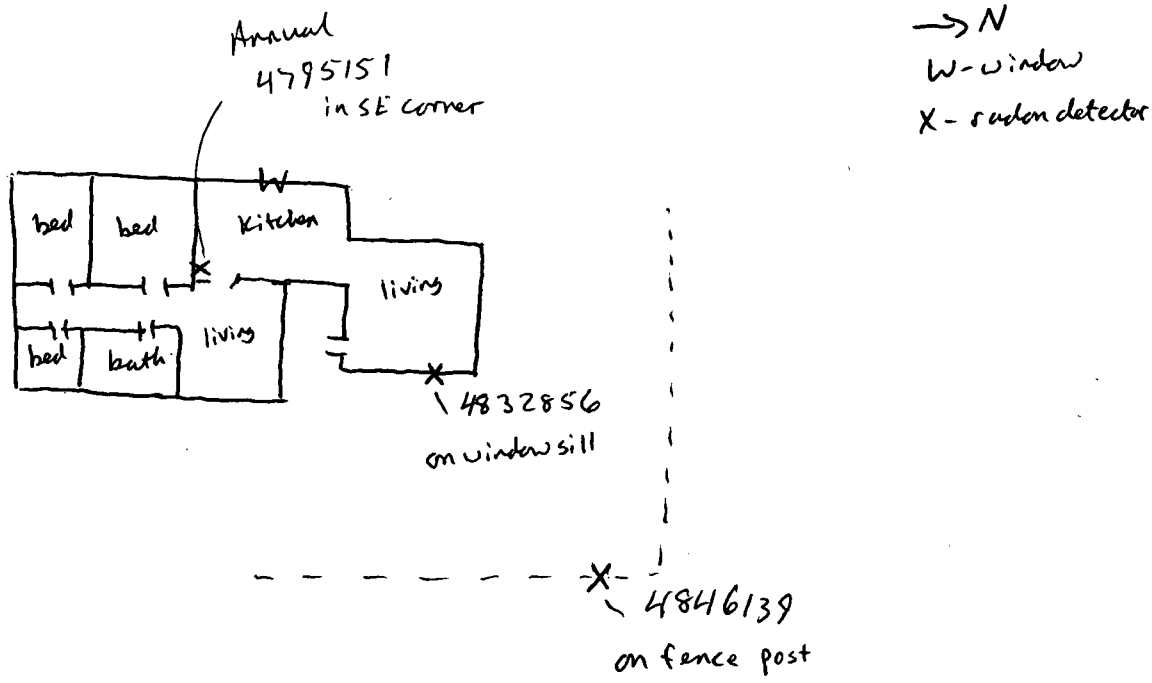
Annual

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: ~~MAQ~~ MAQ1Q1
Date: 4/27/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4822947
START I.D. # MAQ1Q1-Q2-A
Detector OPEN (date/time) 4/15/11 1222
micro-R reading —
Detector CLOSE (date/time) 4/27/11 1016
micro-R reading 9.

Q2 indoor USACE

Detector # 4822942
START I.D. # MAQ1Q1-Q2-D
Detector OPEN (date/time) 4/15/11 1222
micro-R reading —
Detector CLOSE (date/time) 4/27/11 1031
micro-R reading 8.5

Q2 outdoor USACE

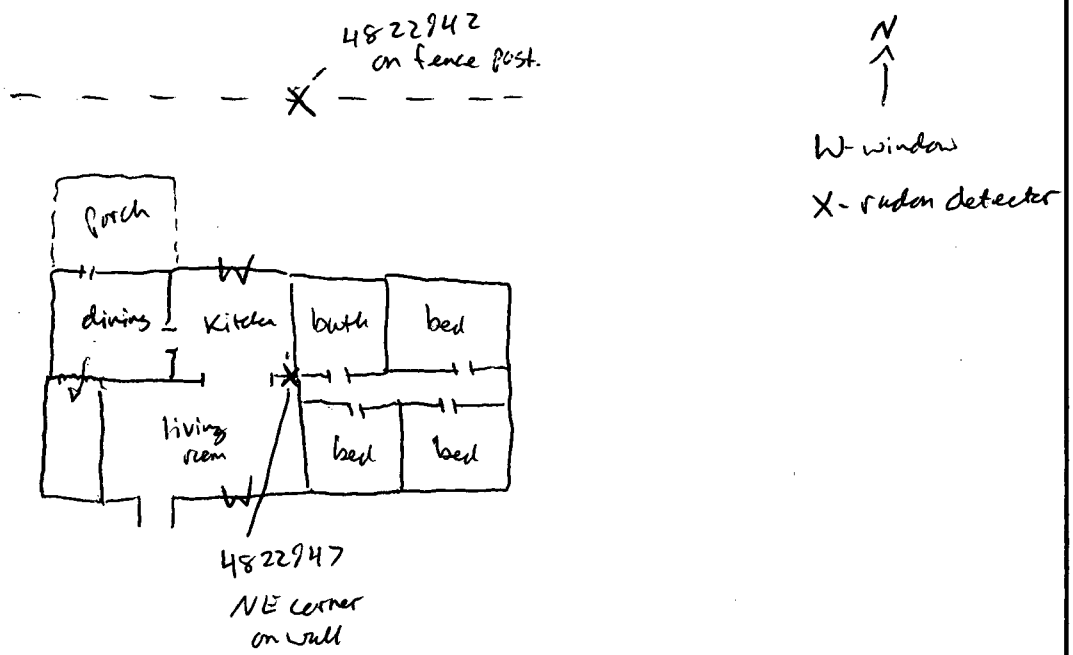
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA&1Q1
Date: 4/27/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: T. Sulaiman

Detector # 4817427
START I.D. # MAQ1Q1-Q3-A
Detector OPEN (date/time) 4/27/11 1017
micro-R reading 9.0
Detector CLOSE (date/time) 8/2/11 1656
micro-R reading 7.5

Q3 indoor

Detector # 4817427
START I.D. # MAQ1Q1-Q3-D
Detector OPEN (date/time) 4/27/11 1032
micro-R reading 8.5
Detector CLOSE (date/time) 8/2/11 1709
micro-R reading 8.

Q3 outdoor

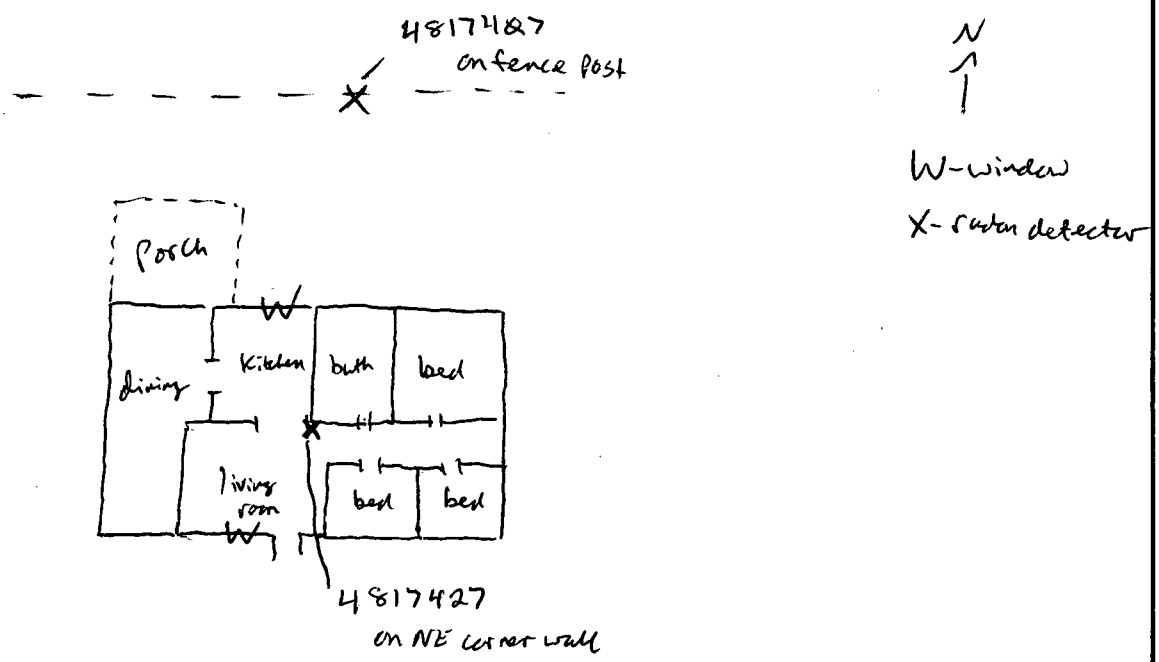
Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)



HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MA0101
Date: 8/2/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: R. Sherman

Detector # 4832888
START I.D. # MA0101-Q4-A
Detector OPEN (date/time) 8/2/11 1657
micro-R reading 7.5
Detector CLOSE (date/time) 11/18/11 1323
micro-R reading 8.5

Q4 indoor

Detector # 4832937
START I.D. # MA0101-Q4-D
Detector OPEN (date/time) 8/2/11 1710
micro-R reading 8
Detector CLOSE (date/time) 11/18/11 1338
micro-R reading 9

Q4 outdoor

Detector# 4795098
START I.D.# MA0101-Q1-B
Detector OPEN(date/time) 9/14/10 —
micro-R reading —
Detector CLOSE (date/time) 11/18/11 1332
micro-R reading 11

Annual

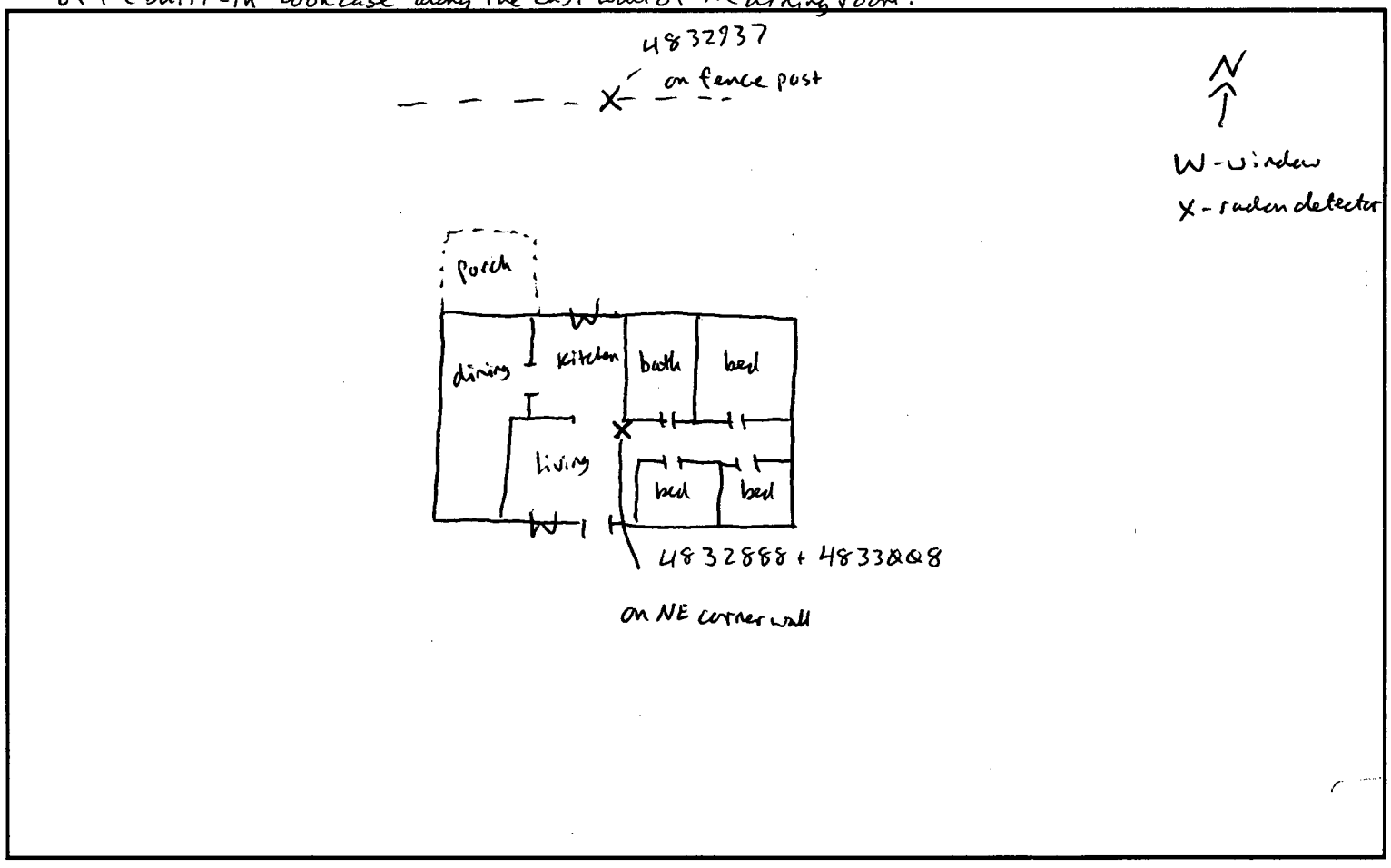
Detector # (DUPLICATE ONLY) 4833008
START I.D. # MA0101-Q4-C
Detector OPEN (date/time) 8/2/11 1657
micro-R reading 7.5
Detector CLOSE (date/time) 11/18/11 1323
micro-R reading 8.5

Q4 indoor duplicate.

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):
* The quarterly indoor detectors had fallen the day after placement. They were placed on the door frame leading to the kitchen (from the living room. The annual detector had fallen (unknown when) and was placed on the top shelf of the built-in bookcase along the east wall of the dining room.



Homestake Structural Assessment Project—Historical Uranium Mining and Milling

INDOOR RADON CANISTER MEASUREMENTS

Property I.D. #: MAQ134
Date: 4/12/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: S. Wright

Canister # (stamped in red) 717148
START I.D. # MAQ134B
Canister OPEN (date/time) 4/12/11 1131
Canister CLOSE (date/time) 4/18/11 1107

Canister # (stamped in red) 717131
START I.D. # MAQ134A
Canister OPEN (date/time) 4/12/11 1131
Canister CLOSE (date/time) 4/18/11 1107

FOR DUPLICATE ONLY:
Canister # (stamped in red)
START I.D.#
Canister OPEN (date/time)
Canister CLOSE (date/time)

RADON CANISTER PLACEMENT SKETCH

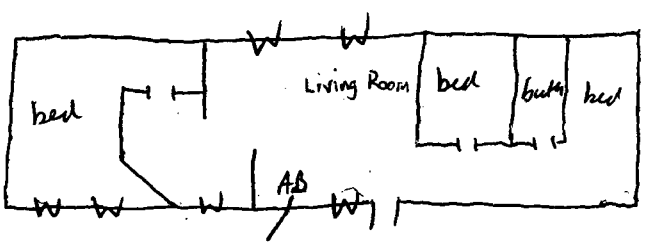
Indoor Area Only (where RADON canister is placed)

Include:
-North Arrow
-Outline of each Floor/Basement where canister is placed
-Doors, windows, etc.
-Clearly indicate where RADON canister is placed (i.e. name of room; living room, basement, etc.
* DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)

(Additional observations/comments):

N

W - window



on top of shelf right of tv

HOMESTAKE – ALPHA TRACK RADON DETECTOR INFORMATION SHEET

San Mateo Structural Assessment Project—Historical Uranium Mining and Milling

Property I.D. #: MAQ134
Date: 4/18/11
START Team Member (who completed this form): T. Evans
Additional START Team Members: J. Wright

Detector # 4817920
START I.D. # MAQ134-Q2-D
Detector OPEN (date/time) 4/18/11 1303
micro-R reading —
Detector CLOSE (date/time) 4/18/11 1115
micro-R reading 11.5

Q2 outdoor USACE

Detector # 4783638
START I.D. # MAQ134-Q3-D
Detector OPEN (date/time) 4/18/11 1114
micro-R reading 11.5
Detector CLOSE (date/time) 8/15/11 1641
micro-R reading 11

Q3 outdoor

Detector#
START I.D.#
Detector OPEN(date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

(Additional observations/comments):

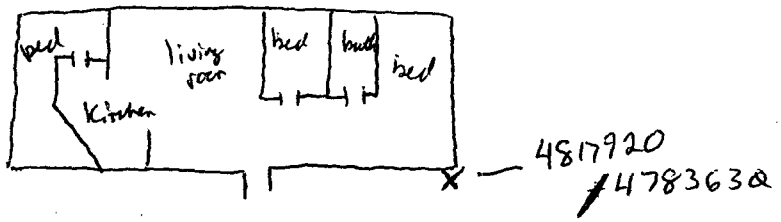
Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Detector # (DUPLICATE ONLY)
START I.D. #
Detector OPEN (date/time)
micro-R reading
Detector CLOSE (date/time)
micro-R reading

Include:
-North Arrow
-Outline of each Floor/Basement where detector is placed
-Detector locations
-Doors, windows, etc.
-Clearly indicate where RADON detector is placed (i.e. name of room; living room, basement, etc. * DO NOT place in bathroom, kitchen, closet, drawer, cabinet, cupboard, garage or porch)
-Place outdoor sample on existing fence when present otherwise place on supplied post

N

X - radon detector



on wooden post at SE corner of house.

Windows XP Printer Test Page

Congratulations!

If you can read this information, you have correctly installed your HP Color LaserJet CM2320 MFP Series PCL 6 on WSDTXVASQUEZP.

The information below describes your printer driver and port settings.

```
Submitted Time: 6:03:49 PM 3/18/2011
Computer name:  WSDTXVASQUEZP
Printer name:   HP Color LaserJet CM2320 MFP Series PCL 6
Printer model:  HP Color LaserJet CM2320 MFP Series PCL 6
Color support:  Yes
Port name(s):   IP_192.168.212.10
Data format:    RAW
Share name:
Location:
Comment:
Driver name:    UNIDRV.DLL
Data file:      hpc23206.GPD
Config file:    hpzpi5k4.dll
Help file:      UNIDRV.HLP
Driver version: 6.00
Environment:    Windows NT x86

Additional files used by this driver:
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpcp2320.CFG
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpc23206.XML
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzsc5k4.DTD
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpc2320c.INI
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzui5k4.DLL        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzpe5k4.DLL        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpz3r5k4.dll        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpz6r5k4.DLL        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzbr5k4.dll        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpcdmc32.DLL        (1, 0, 2, 37)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpbcfgre.DLL        (1, 0, 0, 75)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpz6m5k4.GPD
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzhm5k4.gpd
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzsm5k4.GPD
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpmsn081.dll        (4.5.0.2)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpmsl081.dll        (4.5.0.2)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpmssnp.dem
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzst5k4.DLL        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzur5k4.dll        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzev5k4.DLL        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\pclxl.DLL   (6.0.5479.0
(vbl_wcp_d2_drivers.060616-1619))
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\pjl.GPD
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\pclxl.GPD
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\HPZHL5k4.CAB
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\STDNAMES.GPD
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzls5k4.DLL        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzss5k4.DLL        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\HPFIE5k4.DLL        (A.06.00.001)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzpnp.DLL  (1.0.0.3)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpzc35k4.DLL        (61.072.51.02)
 C:\WINDOWS\System32\spool\DRIVERS\W32X86\3\hpndvq01.dll        (2, 0, 0, 4)
```