ENTERED

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Friday, March 07, 2014 9:02 AM
To: Allen, Pam, NMENV
Subject: FW: WIPP Information for today's call
Attachments: PAS Spreadsheet 3-3-14.xlsx; Station A and B data Chart 3-3-14.xlsx; Event Bioassay Schedule March 03 2014.docx; Louver that redirects air to HEPA Filters.pdf; Burned Salt Truck.jpg; Close up of burned wheel on truck.jpg; Different angle of burned truck.jpg; Salt truck - far view.jpg

Under Review

From: Kliphuis, Trais, NMENV
Sent: Tuesday, March 04, 2014 12:10 PM
To: Flynn, Ryan, NMENV; Kendall, Jeff, NMENV
Cc: Winchester, Jim, NMENV; Tongate, Butch, NMENV; Blaine, Tom, NMENV; Schwender, Erika, NMENV; Skibitski, Thomas, NMENV; Kieling, John, NMENV; LucasKamat, Susan, NMENV; Smith, Coleman, NMENV; Maestas, Ricardo, NMENV; Holmes, Steve, NMENV; Nelson, Morgan, NMENV
Subject: FW: WIPP Information for today's call

From: Oba Vincent [mailto:oba.vincent@cbfo.doe.gov]
Sent: Tuesday, March 04, 2014 12:06 PM
To: Kliphuis, Trais, NMENV; 'peake.tom@epa.gov'; 'Edwards, Jonathan'; 'Walsh, Jonathan'; 'Perrin, Alan'; 'Bob.Kehrman@wipp.ws'; 'Rick.Chavez@wipp.ws'; 'Stone.Nick@epa.gov'; Smith, Coleman, NMENV; 'brozowski.george@epa.gov'
Cc: George Basabilvazo - WIPPNet; 'Reynolds, Tammy - NWP (Tammy.Reynolds@wipp.ws)'; 'Pace, Berry (Berry.Pace@wipp.ws)'; 'Alton.Harris@em.doe.gov'; 'Joe Harvill (jharvill@portageinc.com)'; 'Kennedy, Scott - NWP (Scott.Kennedy@wipp.ws)'; 'Jones, Stewart - RES'; 'Joe Harvill (jharvill@portageinc.com)'
Subject: WIPP Information for today's call

Attached are the tables and graph with the station A and B sampling results, portable air sampling results and the bioassay table. No new environmental results have been obtained. Also included are pictures of the salt truck that burned underground and diagram of the louvers that are being sealed.

Thanks

Oba

140314

February 14, 2014 Event and Confirmatory Bioassay Schedule

Name	Fecal Request	Fecal Obtain	Lab Transport	Preliminary Lab Report Expected / (Actual)	Positive/ Negative Fecal Sample	Urine Request	Urine Obtain	Lab Transport	Preliminary Lab Report Expected/ (Actual)	Positive/ Negative 1st Urine Sample	2nd Urine Request	2nd Urine Obtain	2nd Urine Lab Transport	2nd Urine Lab Report Expected/ (Actual)	Positive/ Negative 2nd Urine Sample	Whole Body Count Scheduled	Whole Body Count Appointment	Whole Body Count Results
1	02/19/2014	02/20/2014	02/21/2014	(02/25/2014)	Positive	02/19/2014	02/20/2014	02/24/2014	(02/28/2014)	Negative	02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/1/2014	
2	02/19/2014	02/21/2014	02/21/2014	(02/25/2014)	Positive	02/16/2014	02/17/2014	02/24/2014	(02/28/2014)	Negative	02/26/2014	02/26/2014	02/27/2014	3/31/2014		02/27/2014	3/1/2014	
3	02/19/2014	02/21/2014	02/21/2014	(02/25/2014)	Positive	02/21/2014	02/21/2014	02/24/2014	(02/28/2014)	Negative	02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/1/2014	
4	02/22/2014	02/23/2014	02/23/2014	3/3/2014		02/22/2014	02/23/2014	02/23/2014	02/27/2014							02/28/201	3/3/2014	
5	02/21/2014	02/21/2014	02/24/2014	3/6/2014		02/21/2014	02/21/2014	02/24/2014	02/28/2014									
6	02/22/2014	02/23/2014	02/23/2014	3/3/2014		02/22/2014	02/23/2014	02/23/2014	02/27/2014							02/28/2014	3/4/2014	
7	02/22/2014	02/23/2014	02/23/2014	3/3/2014		02/22/2014	02/23/2014	02/23/2014	02/27/2014							02/08/2014	3/3/2014	
8	02/19/2014	02/20/2014	02/21/2014	(02/25/2014)	Positive	02/20/2014	02/22/2014	02/24/2014	3/31/2014		02/26/2014	02/26/2014	02/27/2014	3/31/2014		02/27/2014	3/7/2014	
9	02/19/2014	02/21/2014	02/21/2014	(02/25/2014)	Positive	02/21/2014	02/21/2014	02/24/2014	3/31/2014		02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/6/2014	
10	02/21/2014	02/22/2014	02/23/2014	3/3/2014		02/15/2014	02/19/2014	02/24/2014	02/28/2014							3/3/2014	3/20/2014	
11	02/19/2014	02/21/2014	02/21/2014	(02/25/2014)	Positive	02/19/2014	02/20/2014	02/24/2014	(02/28/2014)	Negative	02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	02/27/2014	
12	02/19/2014	02/21/2014	02/21/2014	(02/25/2014)	Positive	02/21/2014	02/22/2014	02/24/2014	3/31/2014		02/26/2014	02/26/2014	02/27/2014	3/31/2014		02/27/2014	3/5/2014	
13	02/19/2014	02/21/2014	02/24/2014	3/6/2014		02/21/2014	02/22/2014	02/24/2014	3/31/2014									
14	02/19/2014	02/21/2014	02/21/2014	(02/25/2014)	Positive	02/21/2014	02/21/2014	02/24/2014	(02/28/2014)	Negative	02/26/2014	02/26/2014	02/27/2014	3/31/2014		02/27/2014	3/1/2014	
15	02/22/2014	02/23/2014	02/23/2014	3/3/2014		02/22/2014	02/24/2014	02/24/2014	3/31/2014									
16	02/19/2014	02/20/2014	02/21/2014	(02/25/2014)	Positive	02/20/2014	02/20/2014	02/24/2014	(02/28/2014)	Negative	02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/3/2014	
17	02/20/2014	02/22/2014	02/24/2014	3/6/2014		02/20/2014	02/22/2014	02/24/2014	3/31/2014		02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/4/2014	
18	02/19/2014	02/21/2014	02/21/2014	(02/25/2014)	Positive	02/21/2014	02/21/2014	02/24/2014	(02/28/2014)	Negative	02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/1/2014	
19	02/19/2014	02/21/2014	02/21/2014	(02/25/2014)	Positive	02/21/2014	02/21/2014	02/24/2014	3/31/2014		02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/4/2014	
20	02/19/2014	02/20/2014	02/21/2014	(02/25/2014)	Positive	02/21/2014	02/21/2014	02/24/2014	(02/28/2014)	Negative	02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/3/2014	
21	02/19/2014	02/20/2014	02/21/2014	(02/25/2014)	Positive	02/20/2014	02/21/2014	02/24/2014	3/31/2014		02/26/2014	02/27/2014	02/27/2014	3/31/2014		02/27/2014	3/3/2014	
22	02/22/2014	02/23/2014	02/23/2014	3/3/2014		02/22/2014	02/23/2014	02/23/2014	02/27/2014							02/28/2014	3/4/2014	
23						02/26/2014												
24						02/27/2014	02/28/2014	3/02/2014	3/10/2014									
25						02/28/2014	3/02/2014											
26						3/1/2014												
27						02/28/2014	3/1/2014	3/2/2014	3/10/2014									
28						02/27/2014												
29						02/27/2014	3/03/2014											
30						02/27/2014												
31						N/A	3/02/2014											
32						02/27/2014	3/3/2014											
33						02/27/2014	3/3/2014											
34						02/26/2014	02/27/2014	3/02/2014	3/10/2014									
35						02/28/2014	3/1/2014	3/2/2014	3/10/2014									
36						02/27/2014	02/28/2014	3/02/2014	3/10/2014									

For positive bioassay (fecal) the range was 0.1 to 1.48 DPM/Sample

Samples have been analyzed in an expedited manner resulting in reports being provided ahead of previously estimated schedule.

N/A in Request Column indicates individual has picked up a bioassay kit or scheduled a WBC, but was not identified as part of the confirmatory population.

Name	Fecal Request	Fecal Obtain	Lab Transport	Preliminary Lab Report Expected / (Actual)	Positive/ Negative Fecal Sample	Urine Request	Urine Obtain	Lab Transport	Preliminary Lab Report Expected/ (Actual)	Positive/ Negative 1st Urine Sample	2nd Urine Request	2nd Urine Obtain	2nd Urine Lab Transport	2nd Urine Lab Report Expected/ (Actual)	Positive/ Negative 2nd Urine Sample	Whole Body Count Scheduled	Whole Body Count Appointment	Whole Body Count Results
37						02/27/2014												
38						02/27/2014												
39						02/27/2014												
40						N/A												
41																3/3/2014	3/17/2014	
42						N/A	3/3/2014											
43						02/27/2014												
44						02/27/2014	3/3/2014											
45						02/27/2014												
46						02/27/2014	3/3/2014											
47						N/A	3/3/2014											
48						02/27/2014	3/1/2014	3/2/2014	3/10/2014									
49						02/27/2014	3/1/2014	3/2/2014	3/10/2014									
50						02/27/2014												
51						02/27/2014												
52						02/27/2014												
53						02/27/2014	3/3/2014											
54						02/27/2014	3/3/2014											
55						02/27/2014												
56						02/26/2014	02/28/2014	3/2/2014	3/10/2014									
57						03/01/2014	3/3/2014											
58						02/27/2014												
59						02/27/2014	3/3/2014											
60						N/A										3/3/2014	3/17/2014	
61						02/27/2014	02/28/2014	3/2/2014	3/10/2014									
62						02/27/2014	3/3/2014											
63						02/27/2014												
64						02/27/2014	3/3/2014											
65						02/27/2014												
66						02/27/2014	3/3/2014											
67						02/27/2014	3/2/2014											
68						02/27/2014												
69						02/27/2014												
70						02/27/2014	3/2/2014											
71						02/27/2014	3/1/2014	3/2/2014	3/10/2014									
72						02/27/2014												
73						02/27/2014	3/3/2014											
74						02/27/2014												
75						02/27/2014	3/3/2014											
76						02/27/2014	02/28/2014	3/2/2014	3/10/2014									

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Name	Fecal Request	Fecal Obtain	Lab Transport	Preliminary Lab Report Expected / (Actual)	Positive/ Negative Fecal Sample	Urine Request	Urine Obtain	Lab Transport	Preliminary Lab Report Expected/ (Actual)	Positive/ Negative 1st Urine Sample	2nd Urine Request	2nd Urine Obtain	2nd Urine Lab Transport	2nd Urine Lab Report Expected/ (Actual)	Positive/ Negative 2nd Urine Sample	Whole Body Count Scheduled	Whole Body Count Appointment	Whole Body Count Results
77						02/27/2014	3/1/2014	3/02/2014	3/10/2014									
78						02/27/2014	3/2/2014											
79						02/27/2014	3/3/2014											
80						3/1/2014												
81						02/27/2014	3/3/2014											
82						02/27/2014												
83						02/27/2014	3/02/2014											
84						02/27/2014												
85						02/27/2014												
86						3/1/2014												
87						02/27/2014	02/28/2014	03/02/2014	3/10/2014									
88						02/27/2014	3/1/2014	03/02/2014	3/10/2014									
89						02/28/2014												
90						02/27/2014												
91						02/28/2014	3/2/2014											
92						02/27/2014												
93						02/282014	3/3/2014											
94						02/27/2014	3/3/2014											
95						02/27/2014												
96						02/27/2014												
97						02/27/2014	3/3/2014											
98						02/27/2014	3/3/2014											
99						N/A										N/A	3/1/2014	
100						02/27/2014												
101						02/27/2014												
102						02/26/2014	02/28/2014	3/2/2014	3/10/2014									

For positive bioassay (fecal) the range was 0.1 to 1.48 DPM/Sample

Samples have been analyzed in an expedited manner resulting in reports being provided ahead of previously estimated schedule.

N/A in Request Column indicates individual has picked up a bioassay kit or scheduled a WBC, but was not identified as part of the confirmatory population.

Preliminary Information-Not for Public Release

PAS 1610- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/20/2014	2/20/14 2010	2/20/14 0024	16100220142010	Tennelec XLB	10 Mins	120	212	022114/0148	72 hours	0.3	2.31	On-Site
2/21/2014	2/21/14 0024	2/21/14 0410	16100221140024	Tennelec XLB	10 Mins	244	518	022114 0424	72 hours	0	0.38	On-Site
2/21/2014	2/21/14 0410	2/21/14 0822	1610021140410	Tennelec XLB	10 Mins	118	221	022114/0905	72 hours	0.4	-1.73	On-Site
2/21/2014	2/21/14 0822	2/21/14 1218	16100221140822	Tennelec XLB	10 Mins	114	176	022114/1236	72 hours	0	-2.11	On-Site
2/21/2014	2/21/14 1218	2/21/14 1554	16100221141218	Tennelec XLB	10 Mins	202	376	022114/1625	72 hours	0	-3.27	On-Site
2/21/2014	2/21/14 1554	2/21/14 1959	16100221141554	Tennelec XLB	10 Mins	287	532	022114/2030	72 hours	0.6	-0.38	On-Site
2/21/2014	2/21/14 1959	2/22/14 0009	16100221141959	Tennelec XLB	10 Mins	748	1406	2/22/14 0021				On-Site
2/22/2014	2/22/14 0009	2/22/14 0409	16100222140009	Tennelec XLB	10 Mins	1062	2080	2/22/14 0422	72 Hour	0.25	0.19	On-Site
2/22/2014	2/22/14 0409	2/22/14 0820	16100222140409	Tennelec XLB	10 Mins	159	282	2/22/14 1424	72 Hour	2.23	5.1	On-Site
2/22/2014	2/22/14 0820	2/22/14 1155	16100222140820	Tennelec XLB	10 Mins	296	528	2/22/14 1224	72 Hour	-0.52	-2.16	On-Site
2/22/2014	2/22/14 1155	2/22/14 1617	16100222141155	Tennelec XLB	10 Mins	158	299	2/22/14 1651	72 hour	-0.26	0.39	On-Site
2/22/2014	2/22/14 1617	2/22/14 2023	16100222141617	Tennelec XLB	10 Mins	360	590	2/22/14 2048	72 Hour	-0.26	0	On-Site
2/22/2014	2/22/14 2023	2/23/14 0000	16100222142023	Tennelec XLB	10 Mins	652	1209	2/22/14 0014	72 Hour	2.3	4.04	On-Site
2/23/2014	2/23/14 0000	2/23/14 0400	16100223140000	Tennelec XLB	10 Mins	984	1744	2/23/14 0422	022614/2108	0.26	0.58	On-Site
2/23/2014	2/23/14 0400	2/23/14 1203	16100223140400	Tennelec XLB	10 Mins	304	569	2/23/14 1315	2/23/14 1630	124	238	On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

Preliminary Information-Not for Public Release

PAS 1610- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/23/2014	2/23/14 1203	2/23/14 2013	16100223141203	Tennelec XLB	10 Mins	301	541	022314/ 2047	22414/ 0100	57	143	On-Site
2/23/2014	2/23/14 2013	2/24/14 0402	16100223142013	Tennelec XLB	10 Mins	755	1451	022414/0430	22714/ 0113	0.51	2.11	On-Site
2/24/2014	2/24/14 0402	2/24/14 0812	16100224140402	Tennelec XLB	10 Mins	160	339	022414/ 1058				On-Site
2/24/2014	2/24/14 0812	2/24/14 1615	16100224140812	Tennelec XLB	10 Mins	178	328	022414/ 1657	022414/ 2007	84	153	On-Site
2/24/2014	2/24/14 1615	2/25/14 0003	16100224141615	Tennelec XLB	10 Mins	835	1493	022414/ 0018	022514/ 0401	93	187	On-Site
2/25/2014	2/25/14 0003	2/25/14 0819	16100225140003	Tennelec XLB	10 Mins	368	681	022514/ 0956				On-Site
2/25/2014	2/25/14 0819	2/25/14 1628	16100225140819	Tennelec XLB	10 Mins	464	846	022514/ 1742	022514/ 2206	169	328	On-Site
2/25/2014	2/25/14 1628	2/26/14 0013	16100225141628	Tennelec XLB	10 Mins	626	1147	022614/ 0031	022614/ 0406	131	251	On-Site
2/26/2014	2/26/14 0013	2/26/14 0823	16100226140013	Tennelec XLB	10 Mins	185	357	022614/ 1035				On-Site
2/26/2014	2/26/14 0823	2/26/14 1615	16100226140823	Tennelec XLB	10 Mins	356	627	022614/ 1642				On-Site
2/26/2014	2/26/14 1615	2/27/14 0015	16100226141615	Tennelec XLB	10 Mins	713	1222	022714/0039	022714/0015	91	151	On-Site
2/27/2014	2/27/14 0015	2/27/14 0822	1610022740015	Tennelec XLB	10 Mins	334	594		022814/121	81	142	On-Site
2/27/2014	2/27/2014 0822	2/28/14 0009	1610022740822	Tennelec XLB	10 Mins	374	690	022814/0035	022814/0429	90	169	On-Site
2/28/2014	2/28/14 0009											
2/28/2014	2/28/14 0800											

* Initial counts have not had sufficient time to allow for radon progeny to decay.

Preliminary Information-Not for Public Release

PAS 1610- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/28/2014	2/28/14 1600											
3/1/2014	3/1/14 0015	3/1/14 0905	16100301140015	Tennelec XLB	10 Mins	650	1179	030114/ 0931	030114/ 1304	104	222	On-Site
3/1/2014	3/1/14 0905	3/1/14 1625	16100301140905	Tennelec XLB	10 Mins	119	232	030114/ 1646	030114/ 2050	24	49	On-Site
3/1/2014	3/1/14 1625	3/2/14 0035	16100301141625	Tennelec XLB	10 Mins	151	276	030214/ 0135	030214/ 0521	76	127	On-Site
3/2/2014	3/2/14 0035	3/2/14 0805	16100302140035	Tennelec XLB	10 Mins	1125	2069	030214/ 0836	030214/ 1154	263	466	On-Site
3/2/2014	3/2/14 0805	3/2/14 1604	16100302140805	Tennelec XLB	10 Mins	786	1446	030214/ 1621	030214/ 2007	174	340	On-Site
3/2/2014	3/2/14 1604	3/3/14 0020	16100302141604	Tennelec XLB	10 Mins	853	1524	030314/ 0029	030314/ 0452	197	375	On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

Preliminary Information-Not for Public Release

PAS 1610- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					

* Initial counts have not had sufficient time to allow for radon progeny to decay.

Preliminary Information-Not for Public Release

PAS 1610- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					

* Initial counts have not had sufficient time to allow for radon progeny to decay.

Preliminary Information-Not for Public Release

PAS 1610- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 0861- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/20/2014	2/20/14 1638	2/20/14 2012	8610220141638	Tennelec XLB	10 Mins	265	480		72 hours	0.1	-0.98	On-Site
2/20/2014	2/20/14 2012	2/21/14 2130	8610220142012	Tennelec XLB	10 Mins		Instrument was down 3 hours					
2/21/2014	2/21/14 0030	2/21/14 0410	8610221140030	Tennelec XLB	10 Mins	606	1220	022114/ 0420				On-Site
2/21/2014	2/21/14 0410	2/21/14 0825	8610221140410	Tennelec XLB	10 Mins	332	563	022114/ 0905				On-Site
2/21/2014	2/21/14 0825	2/21/14 1221	8610221140825	Tennelec XLB	10 Mins	301	556	022114/ 1236				On-Site
2/21/2014	2/21/14 1221	2/21/14 1553	8610221141221	Tennelec XLB	10 Mins	169	275	2/21/2014				On-Site
2/21/2014	2/21/14 1553	2/21/14 2000	8610221141553	Tennelec XLB	10 Mins	435	775	022114/ 2048				On-Site
2/21/2014	2/21/14 2000	2/22/14 0009	8610221142000	Tennelec XLB	10 Mins	990	1821	022214/ 0027				On-Site
2/22/2014	2/22/14 0009	2/22/14 0409	8610222140009	Tennelec XLB	10 Mins	1241	2434	022214/ 0418	72 hours	0.25	0.19	On-Site
2/22/2014	2/22/14 0409	2/22/14 0822	8610222140409	Tennelec XLB	10 Mins	162	309	022214/ 1424	72 hours	0.39	-0.84	On-Site
2/22/2014	2/22/14 0822	2/22/14 1158	8610222140822	Tennelec XLB	10 Mins	551	1008	022214/ 1254	72 hours	0	-1.76	On-Site
2/22/2014	2/22/14 1158	2/22/14 1616	8610222141158	Tennelec XLB	10 Mins	44	88	022214/ 1651	72 hours	-0.26	-0.2	On-Site
2/22/2014	2-22-14 1616	2/22/14 2025	8610222141616	Tennelec XLB	10 Mins	459	910	022214/ 2050				On-Site
2/22/2014	2/22/14 2025	2/23/14 0000	8610222142025	Tennelec XLB	10 Mins	623	1141	022314/ 0016	72 hours	0.26	-0.77	On-Site
2/23/2014	2/23/14 0000	2/23/14 0400	8610223140000	Tennelec XLB	10 Mins	916	1659	022314/ 0418	022717/2108	0.77	0.96	On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 0861- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/23/2014	2/23/14 0400	2/23/14 1204	8610223140400	Tennelec XLB	10 Mins	320	539	022314/ 1338	022714/ 0128	0.78	2.55	On-Site
2/23/2014	2/23/14 1204	2/23/14 2013	8610223141204	Tennelec XLB	10 Mins	484	861	022314/ 2052	022714/ 0112	0.51	1.73	On-Site
2/23/2014	2/23/14 2013	2/24/14 0402	8610223142013	Tennelec XLB	10 Mins	1017	1824	022414/ 0427	022714/ 0128	1	3	On-Site
2/24/2014	2/24/14 0402	2/24/14 0815	8610224140402	Tennelec XLB	10 Mins	519	975	022414/ 0954				On-Site
2/24/2014	2/24/14 0815	2/24/14 1615	8610224140815	Tennelec XLB	10 Mins	365	660	022414/ 1657	022414/ 2004	103	187	On-Site
2/24/2014	2/24/14 1615	2/25/14 0003	8610224141615	Tennelec XLB	10 Mins	1162	2114	022514/ 0027	022514/ 0406	143	259	On-Site
2/25/2014	2/25/14 0003	2/25/14 0826	8610225140003	Tennelec XLB	10 Mins	978	1712	022514/ 0927				On-Site
2/25/2014	2/25/14 0826	2/25/14 1625	8610225140826	Tennelec XLB	10 Mins	499	880	022514/ 1749	022514/ 2206	185	380	On-Site
2/25/2014	2/25/14 1625	2/26/14 0013	8610225141625	Tennelec XLB	10 Mins	677	1157	022614/ 0033	022614/ 0407	181	329	On-Site
2/26/2014	2/26/14 0013	2/26/14 0820	8610226140013	Tennelec XLB	10 Mins	330	581	022614/ 0945				On-Site
2/26/2014	2/26/14 0820	2/26/14 1615	8610226140820	Tennelec XLB	10 Mins	263	493	022614/ 1716	022714/0015	125	224	On-Site
2/26/2014	2/26/14 1615	2/27/14 0003	8610226141615	Tennelec XLB	10 Mins	658	1209	022714/0039	022714/0430	169	374	On-Site
2/27/2014	2/27/14 0015	2/27/14 0821	8610227140015	Tennelec XLB	10 Mins	840	1426	022714/0923	022814/0121	85	171	On-Site
2/27/2014	2/27/14 0821	2/28/14 0009	8610227140821	Tennelec XLB	10 Mins	618	1138	022814/0035	022814/0429	138	275	On-Site
2/28/2014	2/28/14 0009											

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 0861- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/28/2014	2/28/14 0800											
2/28/2014	2/28/14 1600											
3/1/2014	3/1/14 0015	3/1/14 0905	8610301140015	Tennelec XLB	10 Mins	914	1687	030114/ 0924	030114/ 1254	143	285	On-Site
3/1/2014	3/1/14 0905	3/1/14 1625	8610301140905	Tennelec XLB	10 Mins	186	329	030114/ 1635				On-Site
3/1/2014	3/1/14 1625	3/2/14 0035	8610301141625	Tennelec XLB	10 Mins	175	329	030214/ 0137	030214/ 0507	101	179	On-Site
3/2/2014	3/2/14 0035	3/2/14 0805	8610302140035	Tennelec XLB	10 Mins	1601	2708	030214/ 0834	030214/ 1153	348	648	On-Site
3/2/2014	3/2/14 0805	3/2/14 1604	8610302140805	Tennelec XLB	10 Mins	1001	1809	030214/ 1623	030214/ 2013	261	458	On-Site
3/2/2014	3/2/14 1604	3/3/14 0018	8610302141604	Tennelec XLB	10 Mins	967	1644	030314/ 0040	030314/ 0503	279	479	On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 0862- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/21/2014	2/21/14 0819	2/21/14 1217	860221140819	Tennelec XLB	10 Mins	195	370		72 hours	0.2	1.35	On-Site
2/21/2014	2/21/14 1217	2/21/14 1551	8620221141217	Tennelec XLB	10 Mins	282	539		72 hours	0.1	-1.15	On-Site
2/21/2014	2/21/14 1551	2/21/14 1959	8620221141551	Tennelec XLB	10 Mins	293	505		72 hours	0	-1.54	On-Site
2/21/2014	2/21/14 1959	2/22/14 0009	8620221141959	Tennelec XLB	10 Mins	751	1404					On-Site
2/21/2014	2/22/14 0009	2/22/14 0409	8620222140009	Tennelec XLB	10 Mins	1241	2434		72 hours	0.76	1.5	On-Site
2/22/2014	2/22/14 0409	2/22/14 0819	8620222140409	Tennelec XLB	10 Mins	74	139	022214/1424	72 hours	1.44	1.93	On-Site
2/22/2014	2/22/14 0819	2/22/14 1156	8620222140819	Tennelec XLB	10 Mins	313	524	022214/1224	72 hours	-0.52	-0.59	On-Site
2/22/2014	2/22/14 1156	2/22/14 1614	8620222141156	Tennelec XLB	10 Mins	28	39	022214/1651				On-Site
2/22/2014	2/22/14 1614	2/22/14 2025	8620222141614	Tennelec XLB	10 Mins	304	558		72 hours	0	-0.98	On-Site
2/22/2014	2/22/14 2025	2/23/14 0000	8620222142025	Tennelec XLB	10 Mins	645	1152		73 hours	0.26	-1.15	On-Site
2/23/2014	2/23/14 0000	2/23/14 0400	8620223140000	Tennelec XLB	10 Mins	875	1372	022314/1352	02614/2108	1.53	-0.58	On-Site
2/23/2014	2/23/14 0400	2/23/14 1206	8620223140400	Tennelec XLB	10 Mins	222	402	022314/1353	022314/1630	0.78	2.35	On-Site
2/23/2014	2/23/14 1206	2/23/14 2013	8620223141206	Tennelec XLB	10 Mins	257	491	022314/2052	022714/0113	0	0.19	On-Site
2/23/2014	2/23/14 2013	2/24/14 0402	8620223142013	Tennelec XLB	10 Mins	618	1094	022414/0427	022714/0128	1	3	On-Site
2/24/2014	2/24/14 0402	2/24/14 0810	8620224140402	Tennelec XLB	10 Mins	294	531	022414/1011				On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 0862- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/24/2014	2/24/14 0810	2/24/14 1615	8620224140810	Tennelec XLB	10 Mins	240	434	022414/1657	022414/ 2008	96	163	On-Site
2/24/2014	2/24/14 1615	2/25/14 0003	8620224141615	Tennelec XLB	10 Mins	794	1393	022514/0027	022514/0409	117	213	On-Site
2/25/2014	2/25/14 0003	2/25/14 0821	8620225140003	Tennelec XLB	10 Mins	534	994	022514/0955				On-Site
2/25/2014	2/25/14 0821	2/25/14 1637	8620225140821	Tennelec XLB	10 Mins	406	724	022514/1749	022514/2207	158	288	On-Site
2/25/2014	2/25/14 1637	2/26/14 0013	8620225141637	Tennelec XLB	10 Mins	577	1030	022514/0032	022614/0406	131	250	On-Site
2/26/2014	2/26/14 0013	2/26/14 0818	8620226140013	Tennelec XLB	10 Mins	119	280	022614/1225				On-Site
2/26/2014	2/26/14 0818	2/26/14 1615	8620226140818	Tennelec XLB	10 Mins	289	488	022614/1656				On-Site
2/26/2014	2/26/14 1615	2/27/14 0003	8620226141615	Tennelec XLB	10 Mins	621	1164	022714/0039	022714/0015	103	184	On-Site
2/27/2014	2/27/14 0015	2/27/14 0819	8620227140015	Tennelec XLB	10 Mins	583	993	022714/0935	022814/0121	104	179	On-Site
2/27/2014	2/27/14 0819	2/28/14 0009	8620227140819	Tennelec XLB	10 Mins	746	1456	022814/0105	022814/0429	130	246	On-Site
2/28/2014	2/28/14 0009											
2/28/2014	2/28/14 0800											
2/28/2014	2/28/14 1600											
3/1/2014	3/1/14 0015	3/1/14 0905	8620301140015	Tennelec XLB	10 Mins	632	1167	030114/ 0924	030114/ 1254	113	211	On-Site
3/1/2014	3/1/14 0905	3/1/14 1625	8620301140905	Tennelec XLB	10 Mins	119	226	030114/ 1635	030114/ 2050	33	63	On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 0862- Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
3/1/2014	3/1/14 1625	3/2/14 0035	8620301141625	Tennelec XLB	10 Mins	161	295	030214/ 0135	030214/ 0520	71	135	On-Site
3/2/2014	3/2/14 0035	3/2/14 0805	8620302140035	Tennelec XLB	10 Mins	1025	1777	030214/ 0834	030214/ 1154	268	508	On-Site
3/2/2014	3/2/14 0805	3/2/14 1604	8620302140805	Tennelec XLB	10 Mins	650	1192	030214/ 1623	030214/ 2014	182	339	On-Site
3/2/2014	3/2/14 1604	3/3/14 0015	8620302141604	Tennelec XLB	10 Mins	620	1110	030314/ 0040	030314/ 0503	196	379	On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 1101-Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/22/2014	2/22/14 0009	2/22/14 0409	11010222140009	Tennelec XLB	10 Mins	981	1972	022214/0418	72 Hour	0.25	1.31	On-Site
2/22/2014	2/22/14 0409	2/22/14 0823	11010222140409	Tennelec XLB	10 Mins	119	219	022214/1424	72 Hour	0.65	-0.64	On-Site
2/22/2014	2/22/14 0823	2/22/14 1157	11010222140823	Tennelec XLB	10 Mins	487	861	022214/1224	72 Hour	-0.52	-2.35	On-Site
2/22/2014	2/22/14 1157	2/22/14 2025	11010222141157	Tennelec XLB	10 Mins	51	109	022214/1654	72 hour	0	0.98	On-Site
2/22/2014	2/22/14 1700	2/22/14 2025	11010222141700	Tennelec XLB	10 Mins	363	612	022214/2048				On-Site
2/22/2014	2/22/14 2025	2/23/14 0000	11010222142025	Tennelec XLB	10 Mins	431	731	022314/0020	72 hour	1.02	0.58	On-Site
2/23/2014	2/23/14 0000	2/23/14 0400	11010223140000	3030E	10 Mins	1	2		022314/1600	46	116	On-Site
2/23/2014	2/23/14 0400	2/23/14 1205	11010223140400	3030E	10 Mins	248	450	022314/????	22714/ 0128	61	270	On-Site
2/23/2014	2/23/14 1205	2/23/14 2013	11010223141205	Tennelec XLB	10 Mins	277	495	022314/2056	022714/0113	0.26	2.11	On-Site
2/23/2014	2/23/14 2013	2/24/14 0402	11010223142013	Tennelec XLB	10 Mins	611	1097	022414/0425	022714/0129	1	2	On-Site
2/24/2014	2/24/2014 0402	2/24/14 0814	11010224140402	Tennelec XLB	10 Mins	174	366	022414/1046				On-Site
2/24/2014	2/24/14 0814	2/24/14 1615	11010224140814	Tennelec XLB	10 Mins	177	340	022414/1657	022414/2008	87	148	On-Site
2/24/2014	2/24/14 1615	2/25/14 0003	11010224141615	Tennelec XLB	10 Mins	1015	1797	022514/0024	022514/0401	120	226	On-Site
2/25/2014	2/25/14 0003	2/25/14 0823	11010225140003	Tennelec XLB	10 Mins	456	817	022514/0956	022514/2050	122	241	On-Site
2/25/2014	2/25/14 0823	2/25/14 1620	11010225140823	Tennelec XLB	10 Mins	281	511	022514/1749	2252014/220	156	310	On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 1101-Salt Shaft

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					
2/25/2014	2/25/14 1620	2/26/14 0013	11010225141620	Tennelec XLB	10 Mins	919	1679	022614/0030				On-Site
2/26/2014	2/26/14 0013	2/26/14 0814	11010226140013	Tennelec XLB	10 Mins	273	514	022614/0944				On-Site
2/26/2014	2/26/14 0814	2/26/14 1615	11010226140814	Tennelec XLB	10 Mins	353	623	022614/1614				On-Site
2/26/2014	2/26/14 1615	2/27/14 0003	11010226141615	Tennelec XLB	10 Mins	471	852	022714/0039	022714/0015	92	169	On-Site
2/27/2014	2/27/14 0015	2/27/14 0820	11010227140015	Tennelec XLB	10 Mins	385	683	022714/1016	022814/0121	81	147	On-Site
2/27/2014	2/27/14 0820	2/28/2014 0009	11010227140820	Tennelec XLB	10 Mins	403	729	022814/1228	022814/0428	114	217	On-Site
2/28/2014	2/28/14 0009											
2/28/2014	2/28/14 0800											
2/28/2014	2/28/14 1600											
3/1/2014	3/1/14 0015	3/1/14 0905	11010301140015	Tennelec XLB	10 Mins	577	1061	030114/ 0923	030114/ 1303	108	211	On-Site
3/1/2014	3/1/14 0905	3/1/14 1625	11010301140905	Tennelec XLB	10 Mins	88	163	030114/ 1635	030114/ 2050	30	60	On-Site
3/1/2014	3/1/14 1625	3/2/14 0035	11010301141625	Tennelec XLB	10 Mins	161	295	030214/ 0135	030214/ 0521	70	137	On-Site
3/2/2014	3/2/14 0035	3/2/14 0805	11010302140035	Tennelec XLB	10 Mins	954	1640	030214/ 0833	030214/ 1153	246	465	On-Site
3/2/2014	3/2/14 0805	3/2/14 1604	11010302140805	Tennelec XLB	10 Mins	701	1361	030214/ 1609	030214/ 2014	170	333	On-Site
3/2/2014	3/2/14 1604	3/3/14 0015	11010302141604	Tennelec XLB	10 Mins	532	945	030314/ 0040	030314/ 0504	188	374	On-Site

* Initial counts have not had sufficient time to allow for radon progeny to decay.

PAS 1101-Salt Shaft

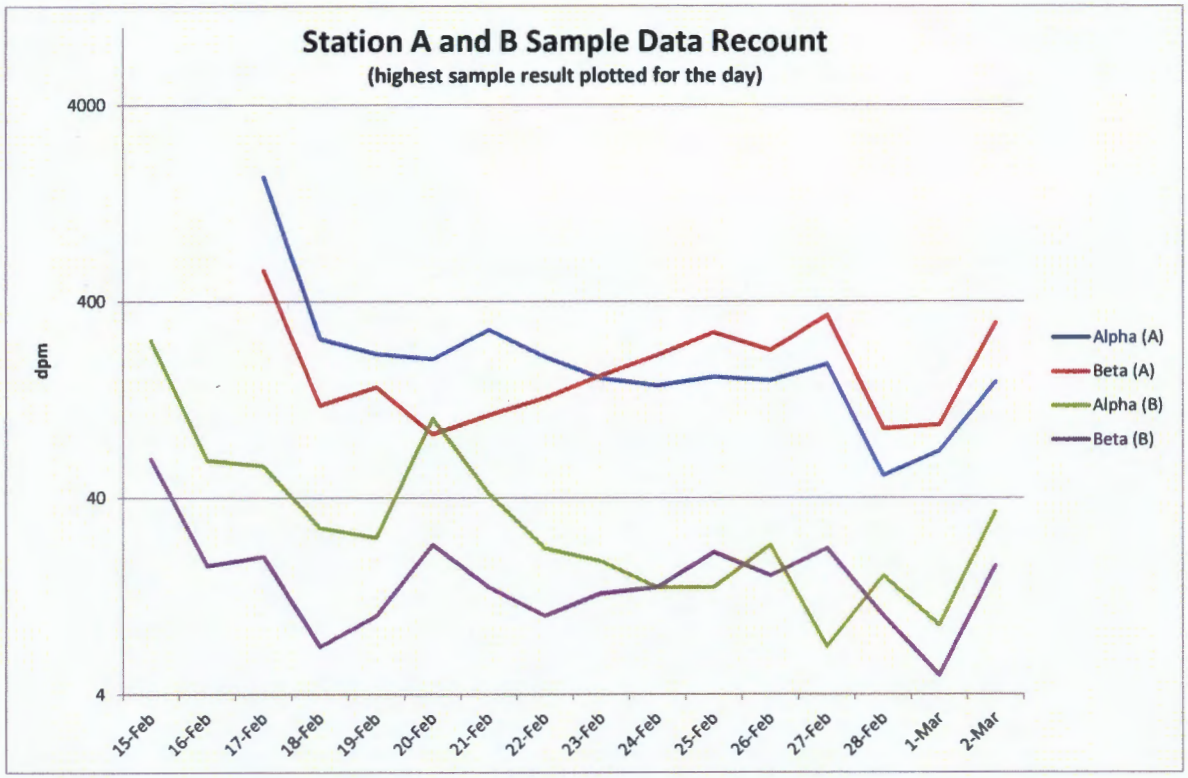
Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm)	Beta (dpm)	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
						*	*					

* Initial counts have not had sufficient time to allow for radon progeny to decay.

Pas 1618- Below CMERC Tower

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count time	Alpha (dpm) *	Beta (dpm) *	First Count	Re-count	Alpha (dpm)	Beta (dpm)	Location
2/24/2014	2/24/14 0406		16180224140406	Tennelec XLB	10 Mins	181	343	022414/1121				On-Site
2/24/2014	2/25/14 1610		1618022141610	Tennelec XLB	10 Mins	731	1319	022514/0407	22514/1218	136	227	On-Site
2/25/2014	2/25/14 0905		16180225140905	Tennelec XLB	10 Mins	380	674	022514/1744	022514/0905	135	257	On-Site
2/25/2014	2/25/14 1652		16180225141652	Tennelec XLB	10 Mins	279	476	22614/1233	022614/0407	105	203	On-Site
2/26/2014	2/26/14 0007	2/26/2014	16180226140007	Tennelec XLB	10 Mins	223	419	22614/1035	22614/1404	136	256	On-Site
2/26/2014	2/26/14 0905	2/26/14 1605	16180226140905	Tennelec XLB	10 Mins	155	268					On-Site
2/26/2014	2/26/14 1605		16180226141605	Tennelec XLB	10 Mins	925	1685	22714/1236	22714/1411	83	135	On-Site
2/27/2014	2/27/14 0809		16180227140809	Tennelec XLB	10 Mins	298	523					On-Site
2/28/2014	2/28/14 0009											On-Site
2/28/2014	2/28/14 0800											On-Site
2/28/2014	2/28/14 1600											On-Site
3/1/2014	3/1/14 0020	3/1/14 0915	16180301140020	Tennelec XLB	10 Mins	612	1140	030114/ 0923	030114/ 1255	123	245	On-Site
3/1/2014	3/1/14 0915	3/1/14 1615	16180301140915	Tennelec XLB	10 Mins	115	199	030114/1637	030214/ 0110	21	41	On-Site
3/1/2014	3/1/14 1615	3/2/14 0005	16180301141615	Tennelec XLB	10 Mins	119	203	030214/ 0132	030214/ 0507	60	120	On-Site
3/2/2014	3/2/14 0005	3/2/14 0810	16180302140005	Tennelec XLB	10 Mins	1046	1871	030214/ 0844	030214/ 1205	280	504	On-Site
3/2/2014	3/2/14 0810	3/2/14 1607	16180302140810	Tennelec XLB	10 Mins	732	1327	030214/ 1617	030214/ 2008	192	366	On-Site
3/2/2014	3/2/14 1607	3/3/14 0005	16180302141607	Tennelec XLB	10 Mins	510	875	030314/ 0032	030314/ 0456	202	362	On-Site

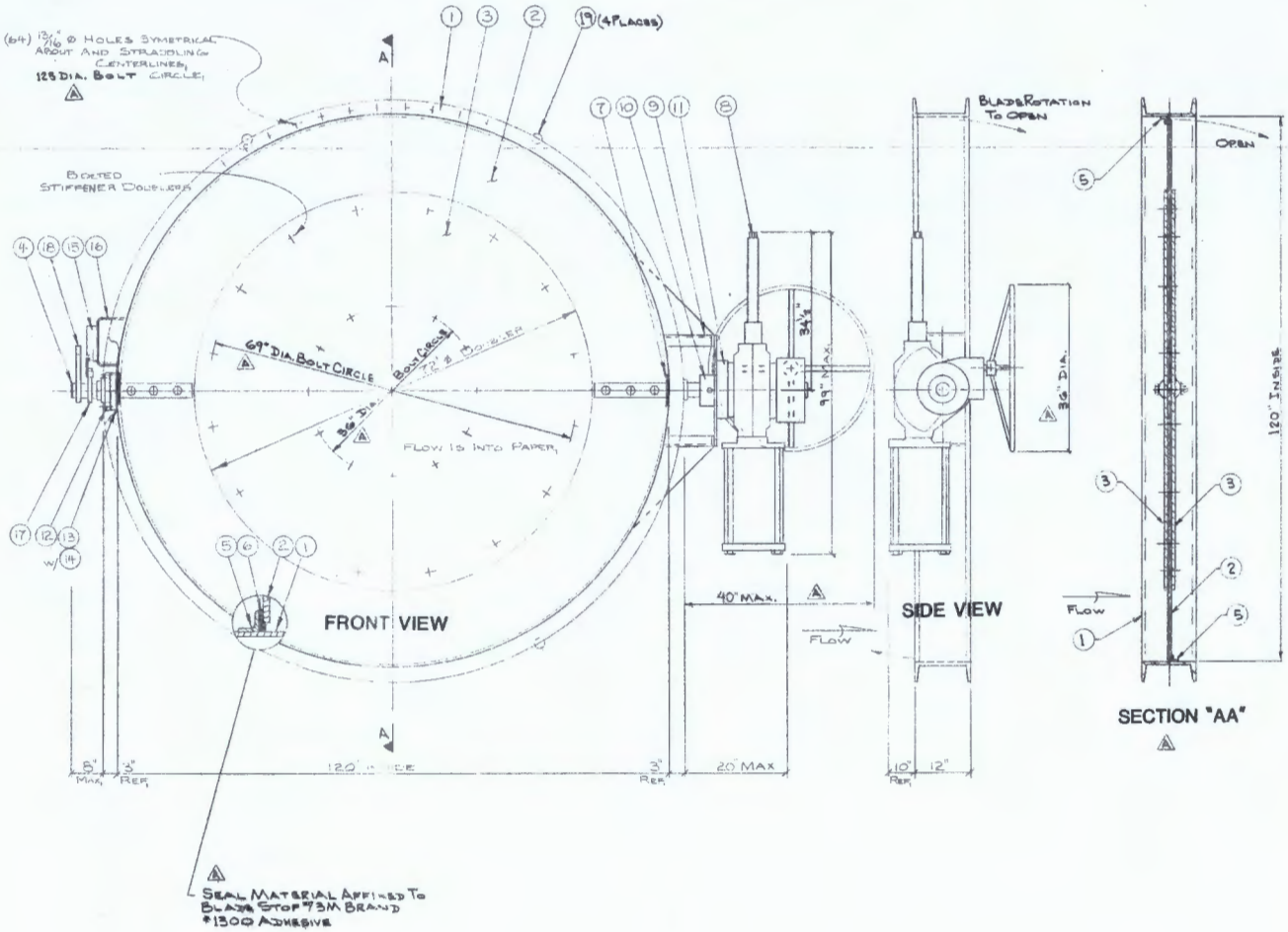
	A		B	
Date	Alpha (A)	Beta (A)	Alpha (B)	Beta (B)
14-Feb				
15-Feb			253	63
16-Feb			62	18
17-Feb	1723	573	58	20
18-Feb	258	118	28	7
19-Feb	216	146	25	10
20-Feb	203	84	101	23
21-Feb	286	105	42	14
22-Feb	208	129	22	10
23-Feb	162	167	19	13
24-Feb	149	213	14	14
25-Feb	165	277	14	21
26-Feb	158	225	23	16
27-Feb	191	340	7	22
28-Feb	52	90	16	10
1-Mar	69	94	9	5
2-Mar	155	311	34	18



CAUTION
CAUTION
CAUTION

6B

REV.	BY/DATE	APR/DATE	DESCRIPTION
A	DEL 4-11-85		MISC. REVISIONS PER FEB. 17 APPROVAL PRINT



DESIGN CONDITIONS

MAX VOLUME 210,100 ACFM NORMAL
LOCATION OUTSIDE
MAX STATIC PRESSURE 10" WG
MAX PRESSURE LOSS: 10 WG
LEAKAGE: 10% ACFM
TEMP. MIN./MAX. 0°F/114°F
EQ. NOS.: 413-HD-056-01A
413-HD-056-01B

Changed to 003A & 003B
VU01

ACTUATOR: GRISER MODEL 45171 SR80 SINGLE ACTING SPRING RETURN W/ MANUAL OVERRIDE, FILTER, REGULATOR, & SOLENOID VALVE.

FAIL POSITION: CLOSED ON LOSS OF AIR OR POWER

U.S. ARMY ENGINEER DISTRICT, ALBUQUERQUE CORPS OF ENGINEERS
CERTIFIED FOR APPROVAL AS INDICATED BELOW
15103.05A
MAY 2 4 1985

EXHAUST FILTER BUILDING
WIPP, CARLSBAD, NEW MEXICO
CONTRACT NO. DACW47-84-C-0032
FOLEY CO. 7301 FRONT ST. K.C. MO.
QUALITY CONTROL CHIEF
APR 17 1985
15103.01A 15103.05A

ITEM	QTY	DESCRIPTION	MATERIAL	
20	1	DAMPER ID TAG	18 GA 304 SS	A240
19	1	LIFT BARS	1½ ø BAR	A108/B633
18	1	POSITION INDICATOR	½ F.B.	A36/B633
17	1	LIMIT SWITCH CAM	½" F.B.	A36/B633
16	1	LIMIT SWITCH MOUNT	¼ PL	A36/B633
15	1	LIMIT SWITCH	MICRO SWITCH 2E1A	
14	2	SEAL	3" I.D. LIP SEAL	CONTA.
13	1	BEARING MOUNT	8" ø BAR - MACHINED	A36/B633
12	1	BEARING	4 BOLT FLANGE, P. #FB-32	BALL BEARING
11	1	ACTUATOR SPACER	2" F.B.	A36/B633
10	1	ACTUATOR COUPLING	4½" ø BAR	A36/B633
9	1	ACTUATOR MOUNT	8" PL W/ 6" CHANNEL	A36/B633
8	1	ACTUATOR	GRISER MODEL #S10E	
7	2	SHAFT END SEALS	(2) UHMW PLASTIC 1" INSULATED WASHER	
6	2	BLADE SEALS	1" WIDE NEOPRENE	D-1056
5	2	BLADE STOP	1 x 1 x ¼ ROLLED	A36/B633
4	2	STUB SHAFTS	3" ø BAR	A108/B633
3	2	DOUBLERS	½" PL	A36/B633
2	1	BLADE	8" PL	A36/B633
1	1	FRAME	C12 x 25" ROLLED CHANNEL	A36/B633

CUSTOMER	FOLEY COMPANY
ENGINEER	U.S. ARMY CORPS OF ENGINEERS
JOB NAME	CARLSBAD, N.M.
AGENT	

QUALITY AIR DESIGN
CINCINNATI, OHIO

Spec. 15103 TITLE 120" DIA.
BUTTERFLY DAMPERS
413-HD-056-003A&B (2) REQ'D.

SIGNATURES		DATE
DRAWN	Kyal	
ENGINEER	J Bulla	12-1-84
PRODUCTION	DOP	12-10-84
APPROVED	TGF	12/12/84
QUALITY CONTROL		12/20/84

SIZE D | DRAWING NO. QA-5858-6 | REV. A
SCALE NONE | UNIT WEIGHT 5850 LBS. | SHEET 1 OF 1

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STANDARD DIMENSIONAL TOLERANCES
INSIDE & FACE TO FACE ±1/8" — OUTSIDE ±3/8"
MOUNTING HOLES, SIZE & SPACING ±1/16"
STRUCTURAL COMPONENTS STD. MILL
ANY VARIATION IS NOTED ON DRAWING

6B