Goran B. Andersson President/CEO Pure Solutions LLC 8665 Sheridan Drive Williamsville, New York 14221



Dear Mr. Andersson:

Thank you for your inquiry about the progress of our final report preparation for the environmental quality control project we have performed at the request of NIEQRI, Inc. This letter is in response to your request for an interim review of the results of changes you implemented in the PURE Allergy Friendly Room treatment protocol as a consequence of our earlier findings. Data are included for PURE Room #808, treated by the original protocol, and for Room #817, treated with the expanded protocol and new air-handling unit chemistry.

Our final report will include comparisons of the outdoor air quality and the indoor conditions among many hotel rooms treated by varying equipment and techniques. I comment here only on the significant improvements seen in PURE Room quality following implementation of your expanded HEPA contact vacuum cleaning procedure and conversion to a new chemistry for cleaning/treatment of the Room air-handling units. The enclosed data tables provide details and specific values from the 15 relevant analyses performed on samples taken and handled in accord with FDA Good Laboratory Practice Guidelines and American Conference of Governmental Industrial Hygienists (ACGIH) Bioaerosol Guidelines. I am a Member of ACGIH; the analyses were performed at AeroTech. Laboratories, formally accredited by the American Industrial Hygiene Association and the American Association for Laboratory Accreditation. The sampling program was organized, supervised, and reported by Dr. Anne Meyer, Principal Investigator for the NIEQRI project. I performed the on-site, real-time measurements using a MetOne Particle Concentration Meter (PCM), for respirable particulates in the size range from 0.3 to 10 micrometers.

All of the measured variables showed changes toward improved environmental quality in Room #817, including greater reductions in the air viable fungi, coil viable fungi and viable bacteria, and carpet viable bacteria counts than in the Room #808 samples. In both Rooms, the PURE process substantially improved indoor conditions that persisted for more than 3 months and all were further improved as a result of the applied 90-day maintenance procedures. The PCM (particle) and bioaerosol (fungi, bacteria in the air) counts dramatically reflect the continuously improved atmospheric quality in the PURE Rooms, compared to outdoor air conditions. For example, it is noteworthy that the pre-conversion respirable particulate concentrations in Room #817 exceeded those for the outdoor air, while the post-conversion Room #817 concentrations were much reduced and maintained even though the outdoor air quality deteriorated to greater than 10,000,000 particles per cubic foot. It is in such conditions of degraded air quality that the PURE Rooms can most benefit Room guests, by minimizing the concentrations of fine particulate matter that might trigger respiratory distress.

I look forward to reviewing these data with you in further detail. Dr. Anne Meyer and I are now working toward completion of the final report on the entire project performed over the past year. Thank you for your interest and commitment to continuously improving indoor air quality!

Sincerely,

Robert E. Baier, PhD, PE Professor and Director

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The University of Memphis

IUCB/NIEQRI Project – 2006 Chronological Data Summary for Room #808 [PURE/healthway]

	Sample Type	May 31	June 02	Sept 05 96 days after conversion	Sept 06	
		Pre-conversion	Post-conversion	Pre-maintenance	Post- maintenance	
TEST					mamtenance	
TLOT.		per m ³				
Air/Total Fungi	air	153	67	80	27	
		[outside: 3027]	[outside: 5273]	[outside: 23,940]	[outside: 22,413]	
Air/Viable Fungi	air	82	141	94	59	
Air/Viable Bact.	oir	[outside: 424] 59	[outside: 707] <12	[outside: 318] 35	[outside: 577] <12	
	air	[outside: 47]	[outside: <12]	[outside: 82]	[outside: 71]	
		per ft ² (area sampled in ft ²)				
Mattress/allergens	vacuum					
Der p 1	cassette	<0.15 μg (1)	<0.15 μg (1)	<0.01 (28)	[no sample]	
Der f 1		<0.15 μg (1)	<0.15 μg (1)	<0.01 (28)	[no sample]	
Carpet/allergens	vacuum	.0.45 (4)	-0.45 - (4)	10.40 - (45)	40.40 m (4E)	
Der p 1	cassette	<0.15 μg (1) <0.15 μg (1)	<0.15 μg (1) <0.15 μg (1)	<0.10 μtg (15) Detected but below	<0.10 μg (15) 0.11 (15)	
Der f 1		<0.15 μg (1)		quantifiable limits (15)	0.11 (10)	
Compt/Tot Funci		per ft ² (area sampled in ft ²)				
Carpet/Tot. Fungi	vacuum cassette	4 (1)	4 (1)	[no sample]	[no sample]	
Carpet/Via. Fungi	swab	. (.)	. (.)	129 near bathroom (1)	<18 near bathroom (1)	
Carper via. Fungi	SWab	[no sample]	[no sample]	. 20 1102/ 02/11/03/11 (1)	7 0 1000 2000 (7)	
				8380 near couch (1)	<18 near couch (1)	
Carpet/Via. Bact	swab	5128 near bthrm (.05)	<335 near bilhrm (.05)	42,300 near bithrm (1)	18 near bathroom (1)	
				5630 near couch (1)	37 near couch (1)	
			per cm ² (area	sampled in cm ²)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Drip Pan/Tot.Fngi	swab	<2 (36)	32 (30)	[no sample]	[no sample]	
Drip Pan/Via.Fngi	swab	[no sample]	[no sample]	1 (25)	15 (25)	
Drip Pan/Via.Bact	swab	32,220 (36)	144,300 (30)	264,000 (25)	130,000 (25)	
		per cm ² (area sampled in cm ²)				
Coil/Via. Fungi	swab	Bulk sample/total fungi: 15.53 x 10 ⁵ per gram	Bulk sample/total fungi: 0.15 x 10 ⁶ per gram	1790 (100)	6350 (100)	
Coil/Via. Bacteria	swab	[no sample]	[no sample]	3300 (100)	1000 (100)	
		LEFT in each box = time of sample; RIGHT = # particles x 10 ⁶ per ft ³				
PCM readings	air	1105 5.66	0811 0.35	0910 0.33	0811 0.39	
1 CW readings	un un	1301 5.86	1151 0.52	0912 0.30		
		1413 6.64	1315 0.42	1230 3.53		
		1110 0.01	1423 1.98	1534 0.30		
			1655 0.41	, 55 , 5.55		
		Air impactor: room sample	Air impactor: room sample	Air impactor: room sample		
PCM on ROOF	air	0901 8.56	taken 1343 to 1448 0820 3.71	taken 1130 to 1230 0820 7.77	0725 7.65	
- SIVI OIT I COI	· ·	1900 1.38	0832 2.72	(parking lot) 1059 5.26	(parking lot) 0745 7.45	
	1	(parking lot)	0040 0.54	1306 4.56	0800 7.42	
			0840 3.54		0000 7.42	
			1020 2.12	(parking lot)	0840 7.92	

IUCB/NIEQRI Project – 2006/07 Chronological Data Summary for Room #817 [PURE/healthway]

[PURE/nealthway]	Sample Type	August 17	August 19	January 11 145 days after	January 12	
	. 51			conversion	E	
		Pre-conversion	Post-conversion	Pre-maintenance	Post-	
TEST					maintenance	
,			per	m ³		
Air/Total Fungi	air	300	100	93	20	
7 iii 7 Otai 7 arigi	an	[outside: 4213]	[outside: 2053]	[outside: 147]	[outside: 460]	
Air/Viable Fungi	air	283	35	59	24	
_		[outside: 424]	[outside: 306]	[outside: 718]	[outside: 24]	
Air/Viable Bact.	air	448	24	82	24	
		[outside: 24]	[outside: 24] per ft ² (area	[outside: 224]	[outside: 12]	
Mattress/allergens			per it (area	sampleα in π)		
Der p 1	vacuum	<0.01 μg (36)	<0.01 μg (36)	[no sample]	[no sample]	
Der f 1	cassette	<0.01 μg (36)	<0.01 μg (36)	[no sample]	[no sample]	
Carpet/allergens	vacuum	, , ,	70()			
Der p 1	cassette	<0.01 μg (15)	<0.10 μg (15)	<0.10 μg (15)	<0.10 μg (15)	
Der f 1	oaboono	0.25 μg (15)	<0.10 µg (15)	0.16 μg (15)	Detected but below quantifiable limits (15)	
		per ft ² (area sampled in ft ²)				
Carpet/Tot. Fungi	vacuum	4 near bathroom (2)	3 near bathroom (2)			
	cassette			[no sample]	[no sample]	
0 107 5		4 near foot of bed (2)	2 near foot of bed (2)	10 (1)	10 10 (1)	
Carpet/Via. Fungi	swab	92 near bathroom (1)	<18 near bathroom (1)	18 near bathroom (1)	18; <18 nr bthrm (1) <18; <18 nr bed (1)	
		166 near foot of bed (1)	<18 near foot of bed (1)	<18 near couch (1)	<18; <18 nr cch (1)	
Carpet/Via. Bact	swab	93,800 near bilhrm (1)	74 near bathroom (1)	166 near bathroom (1)	37; 55 near bihrm (1)	
	0.7.5			, ,	<18; <18 nr bed (1)	
		84,500 nr ft of bed (1)	18 near foot of bed (1)	13,100 near couch (1)	55; 18 nr cch (1)	
		10 (05)		sampled in cm ²)		
Drip Pan/Tot.Fngi	swab	12 (25)	18 (25)	[no sample]	[no sample]	
Drip Pan/Via.Fngi	swab	[no sample]	[no sample]	15 (25)	10 (25)	
Drip Pan/Via.Bact	swab	324,000 (25)	1 (25)	6000 (25)	916 (25)	
		per cm ² (area sampled in cm ²)				
Coil/Via. Fungi	swab	1880 (100)	502 (100)	44,800 (100)	<1 (100)	
Coil/Via. Bacteria	swab	16,700 (100)	1 (100)	15,600 (100)	<1 (100)	
		LEFT in each box = time of sample; RIGHT = # particles x 10 ⁶ per ft ³				
PCM readings	air	1100 1.01	0843 2.81	0809 0.41	1030 0.35	
T GW Toddings		1219 4.14	0905 1.26	09xx 0.16	1056 0.70	
		1237 4.46	0906 1.34	1054 0.82	1104 0.90	
		1310 2.84	1009 3.21	pump on for carpet sample 1152 0.32	1233 (0.99	
		1353 1.97	1016 2.43	1342 1.05	1430 0.33, 0.55	
		1000 1.97	1025 2.44	remediation team arrived	1400 0.00, 0.00	
			1055 0.77			
*			1056 0.66 1105 0.70			
* door to hallway opened while taking reading near door			1115 5.10*			
		Air impactor: room sample taken 1135 to 1235	Air impactor: room sample taken 0911 to 1011	Air impactor: room sample taken 1211 to 1311	Air impactor: room sample taken 1104 to 1204	
PCM on ROOF	air	1040** 1.25	0830** 9.99+	0750** 4.90	1047** 3.43	
		1137 1.04 1145 1.07	0925 9.99+ 0935 9.99+	1153 0.94	1140** 4.77 1210** 4.79	
		1150 0.90	0950 9.99+		1210 4.79	
**reading taken in parking lot		1152 0.88				
		1306** 0.97				