

# Scientific Air Solution



December 21, 2019

airPHX Companies  
1311-A Dolley Madison Blvd.  
McLean, VA 22101

## Pre and In-treatment - Surface Report – [REDACTED] Wrestling Room

Pre and in-treatment contact, surface (swab) samples results are given below.

Sample Date	Number of samples	Location	Average (cfu/cm <sup>2</sup> )	Range	Standard Deviation	Percent Reduction
09/19/19	21	Various	77.4	25/105.3	21.5	-
12/16/19			<b>4.9</b>	2.0/6.6	1.3	<b>93.7</b>
09/19/19	1	Negative control	0	0/0	-	-
12/16/19			<b>0</b>	0/0	-	-

09/19/19 - Pre-treatment contact swab results in the various locations are considerably > 10 cfu/cm<sup>2</sup> which is not acceptable and needs corrective action.

**12/16/19 - In-treatment** contact swab results in the various locations are now < **5 cfu/cm<sup>2</sup>** which is **considered clean and acceptable**.

### Target Contact Surface Quality

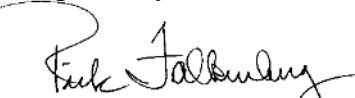
Contact surface quality scale for workplaces, public buildings, schools, and homes are as follows:

- < 5 cfu/cm<sup>2</sup> is considered **clean and acceptable**.
- 5 to 10 cfu/cm<sup>2</sup> is considered **marginal**.
- > 10 cfu/cm<sup>2</sup> is considered **not acceptable** and needs corrective action.

In most cases, surface quality < 5 cfu/cm<sup>2</sup> has shown a decrease in the overall bioburden and odors.

Please contact me if there are questions or if further information is needed.

Respectfully submitted,

  
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Senior Principal Scientist

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Table #1  
 [REDACTED] Wrestling Room  
 12/16/19 Pre-treatment Surface Sample Results – CFU/cm<sup>2</sup>

In-treatment - 12/16/19 - [REDACTED] Wrestling					
Room	Swab Number	Surface Swab Sample Location	10x10x10 cm	Raw Count	CFU/cm <sup>2</sup>
N/A	CTRL	Swab not removed from container	0	0	0
Surface	1	Cubby (6 over from left & up 1)	10x10x10	340	3.4
Surface	2	Scale	10x10x10	390	3.9
Surface	3	Wall pad, under "AMP" of Champoins	10x10x10	285	2.9
Surface	4	Wall mat, under "IN" of Interrity	10x10x10	310	3.1
Surface	5	Back of chair, marked with "X" Front small circle, both sides of the tape to the left of the green line	10x10x10	295	3.0
Surface	6	Circle #3, middle of white lines b/w green & red	10x10x10	200	2.0
Surface	7	15lb sand bag, under side...side macked with "X"	10x10x10	585	5.9
Surface	8	Circular box jump, marked with "X" middle	10x10x10	525	5.3
Surface	9	Wall dummy- Clectus lest arm	10x10x10	650	6.5
Surface	10	Big middle circle, middle white lines b/w green & red	10x10x10	635	6.4
Surface	11	Small circle in front of the scoreboard, over tape next to the outer circle	10x10x10	530	5.3
Surface	12	Small circle in front of the scoreboard, over tape next to outer circle	10x10x10	420	4.2
Surface	13	Under cardboard, by scoreboard	10x10x10	600	6.0
Surface	14	Farthest circle, corner of the wrestling room - where tape and circle meet	10x10x10	510	5.1
Surface	15	Crash pad, corner of pad marked with "X"	10x10x10	600	6.0
Surface	16	Left door handle, going out	10x10x10	575	5.8
Surface	17	Red dummy, to the right of middle patch marked with "X"	10x10x10	655	6.6
Surface	18	In front chair, 1st chair in corner under the State Champion picture - over tape	10x10x10	495	5.0
Surface	19	Wall pad, under middle pull-up bar- marked with "X"	10x10x10	615	6.2
Surface	20	Under wrestling Mat, middle of room-straight out from "Guest" from scoreboard	10x10x10	545	5.5
Surface	21	2nd row of circles, middle b/w white lines red & green	10x10x10	555	5.6

Avg 4.9 Max 6.6  
 Min 2.0 SD 1.34

Total Adjusted Raw Count 10,315  
 Total CFU/cm<sup>2</sup> 103

Table #1, continued  
 [REDACTED] Wrestling Room  
 09/19/19 Pre-treatment Surface Sample Results – CFU/cm<sup>2</sup>

Pre-treatment - 09/19/19 - [REDACTED] Wrestling					
Room	Swab Number	Surface Swab Sample Location	10x10x10 cm	Raw Count	CFU/cm <sup>2</sup>
N/A	CTRL	Swab not removed from container	0	0	0
Surface	1	Cubby (6 over from left & up 1)	10x10x10	5,500	55.0
Surface	2	Scale	10x10x10	8,900	89.0
Surface	3	Wall pad, under "AMP" of Champoins	10x10x10	4,100	41.0
Surface	4	Wall mat, under "IN" of Interrity	10x10x10	3,900	39.0
Surface	5	Back of chair, marked with "X" Front small circle, both sides of the tape to the left of the green line	10x10x10	6,200	62.0
Surface	6	Circle #3, middle of white lines b/w green & red	10x10x10	2,500	25.0
Surface	7	15lb sand bag, under side...side macked with "X"	10x10x10	9,500	95.0
Surface	8	Circular box jump, marked with "X" middle	10x10x10	7,800	78.0
Surface	9	Wall dummy- Clectus lest arm	10x10x10	10,000	100.0
Surface	10	Big middle circle, middle white lines b/w green & red	10x10x10	9,150	91.5
Surface	11	Small circle in front of the scoreboard, over tape next to the outer circle	10x10x10	8,450	84.5
Surface	12	Small circle in front of the scoreboard, over tape next to outer circle	10x10x10	6,525	65.3
Surface	13	Under cardboard, by scoreboard	10x10x10	8,750	87.5
Surface	14	Farthest circle, corner of the wrestling room - where tape and circle meet	10x10x10	7,600	76.0
Surface	15	Crash pad, corner of pad marked with "X"	10x10x10	8,750	87.5
Surface	16	Left door handle, going out	10x10x10	9,250	92.5
Surface	17	Red dummy, to the right of middle patch marked with "X"	10x10x10	10,250	102.5
Surface	18	In front chair, 1st chair in corner under the State Champion picture - over tape	10x10x10	7,450	74.5
Surface	19	Wall pad, under middle pull-up bar- marked with "X"	10x10x10	8,900	89.0
Surface	20	Under wrestling Mat, middle of room-straight out from "Guest" from scoreboard	10x10x10	8,520	85.2
Surface	21	2nd row of circles, middle b/w white lines red & green	10x10x10	10,525	105.3

Avg 77.4 Max 105.3  
 Min 25.0 SD 21.47

Total Adjusted Raw Count 162,520  
 Total CFU/cm<sup>2</sup> 1,625

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Table #2  
[REDACTED] Wrestling Room  
12/17/19 and 09/19/19 Surface Swab Sample Locations

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SWAB LIST – [REDACTED] WRESTLING ROOM

- #1) Cubby (6 over from left & up 1)
- #2) Scale
- #3) Wall pad (under the "AMP" of "CHAMPIONS")
- #4) Wall mat (under the "IN" of "INTEGRITY")
- #5) Back of the chair (marked with "X")
- #6) Front small circle (both sides of the tape to the left of the green line)
- #7) Circle #3 (middle of white lines b/w green & red)
- #8) 15 lb sand bag (under side...side marked with "X")
- #9) Circular box jump (marked with "X" middle)
- #10) Wall dummy – Cleetus left arm
- #11) Big middle circle (middle white lines b/w green & red)
- #12) Small circle in front of the scoreboard (over tape next to outer circle)
- #13) Under cardboard (by scoreboard)
- #14) Farthest circle (corner of the wrestling room – where tape and circle meet)
- #15) Crash pad (corner of pad marked with "X")
- #16) Left door handle (going out)
- #17) Red dummy (to the right of middle patch marked with "X")
- #18) In front of chair (1<sup>st</sup> chair in corner under the State Champion picture – over tape)
- #19) Wall pad (under middle pull-up bar – marked with "X")
- #20) Under wrestling Mat (middle of room – straight out from "Guest" from scoreboard)
- #21) 2<sup>nd</sup> row of circles (middle b/w white lines red & green)