



Liberty OHM

January 14th, 2015

Mr. Marty Foutch
Facilities Director
Bixby Public Schools
109 N. Armstrong
Bixby, OK 74008

CC: Jarred Doubrava
Operations Support Manager/District Safety Coordinator

RE: Bixby Northeast Elementary and Intermediate - 25% IAQ
Liberty OHM File Number 14-157

Dear Mr. Foutch:

On December 16th, 2014, Liberty OHM conducted quality assurance testing at Bixby Northeast Elementary and Intermediate. A total of 25% of the rooms were selected and tested at random for indoor air quality (spore count).

Indoor air quality comfort parameters, i.e. carbon dioxide, carbon monoxide, temperature and humidity, were also monitored during the survey. Results can be found below.

Findings

On December 16th, 12 rooms, for a total of 25% of Bixby Northeast Elementary and Intermediate, were selected at random and tested. The ratio of total indoor/outdoor airborne mold concentrations was not elevated on the day of testing.

The following observations were noted:

- No visible mold or water intrusion/damage was found on the day of testing.

Two TSI 7545 air quality monitors (Serial # T7545-1335001 & T7545-1114002) were used to measure and log the temperature, humidity carbon dioxide and carbon monoxide levels. Carbon dioxide is an odorless gas and is the primary by-product of human respiration. Carbon dioxide was measured during this survey to determine the adequacy of outside air ventilation rate in its ability to control carbon dioxide levels to below 1,500 ppm. The rise of carbon dioxide levels over time also provides an indicator for the ability of other volatile compounds to elevate over time. The OSHA permissible exposure limit for carbon dioxide is 5,000 ppm. Carbon Dioxide monitoring was also performed to determine the approximate rate of outside air being introduced.

Temperature and humidity are measured to gauge the comfort of the indoor air. ASHRAE's standard (62-1989) states that relative humidity should be maintained between 30 % and 60 %. The average relative humidity for the survey was 36 %. The formula listed below was used to determine if adequate outside air is provided based upon the difference between the inside and outside concentrations of carbon dioxide

and the number of occupants. This ASHRAE standard also requires the facility provide 15 cfm/person of outside fresh air (Ventilation Rate Procedure).

$$\text{CFM/Person} = (10,200) \div (\text{CO2}_{\text{inside}} - \text{CO2}_{\text{outdoor}})$$

CFM/Person = $(10,200) \div (583 - 434) = 68$ (Room W112)
CFM/Person = $(10,200) \div (837 - 434) = 25$ (Room W107)
CFM/Person = $(10,200) \div (2791 - 434) = 4$ (Room E101)
CFM/Person = $(10,200) \div (2009 - 434) = 6$ (Room E104)
CFM/Person = $(10,200) \div (844 - 434) = 25$ (2nd Floor Art Room)
CFM/Person = $(10,200) \div (1787 - 434) = 8$ (Room E203)
CFM/Person = $(10,200) \div (1532 - 434) = 9$ (Room W206)
CFM/Person = $(10,200) \div (1965 - 434) = 7$ (Room W209)
Outside Reference = 434 ppm

Recommendations are provided below.

Table 1 shows the results of the air samples taken from the selected rooms on December 16th during normal school hours. Table 2 shows results of the indoor air quality comfort parameters monitored.

Recommendations

1. Additional outside air should be introduced to the rooms listed above where there less than 15cfm/person (highlighted in yellow) and possibly each ventilation zone. The Carbon Dioxide levels should not exceed 700 parts per million above the Outside Reference.

Disclaimer

Liberty OHM makes no assertion as to the health risks associated with the levels reported in this report. We make no correlation that the levels reported are safe for occupancy or do not pose a risk from exposure. We advise you, our client to consult with an Occupational Health or other qualified physician for additional information and guidance.

If you have questions or need additional information, please let me know.

Sincerely,



Jack Kerr
EH&S Consultant
Liberty OHM

Table 1 Bixby Northeast Elementary and Intermediate 25% Random Air Monitoring Survey Date: December 16th, 2014					
Location	Total spores/m3	Species	Raw count	Calc. count	% of total
1: Outside Reference Pre	680	Cladosporium	43	430	63
		Basidiospores	12	120	18
		Other brown	3	30	4
		Epicoccum	3	30	4
		Ascospores	2	20	3
		Smuts, Periconia, Myxomycetes	1	10	1
		Penicillium/Aspergillus types	1	10	1
		Nigrospora	1	10	1
		Curvularia	1	10	1
		Alternaria	1	10	1
2: W 112	100	Cladosporium	3	30	30
		Penicillium/Aspergillus types	2	20	20
		Other brown	2	20	20
		Ascospores	2	20	20
		Basidiospores	1	10	10
3: W 107	60	Penicillium/Aspergillus types	2	20	33
		Other brown	1	10	17
		Cladosporium	1	10	17
		Basidiospores	1	10	17
		Ascospores	1	10	17
4: W 101	310	Basidiospores	9	90	29
		Penicillium/Aspergillus types	7	70	23
		Cladosporium	5	50	16
		Bipolaris/Drechslera group	3	30	10
		Ascospores	3	30	10
		Smuts, Periconia, Myxomycetes	2	20	6
		Other brown	1	10	3
		Curvularia	1	10	3

Table 1 Bixby Northeast Elementary and Intermediate 25% Random Air Monitoring Survey Date: December 16th, 2014					
Location	Total spores/m3	Species	Raw count	Calc. count	% of total
5: E 101	580	Bipolaris/Drechslera group	21	210	36
		Smuts, Periconia, Myxomycetes	8	80	14
		Ascospores	7	70	12
		Penicillium/Aspergillus types	6	60	10
		Epicoccum	5	50	9
		Cladosporium	4	40	7
		Alternaria	4	40	7
		Other brown	1	10	2
		Curvularia	1	10	2
		Basidiospores	1	10	2
6: E 104	240	Penicillium/Aspergillus types	10	100	42
		Other brown	5	50	21
		Basidiospores	3	30	13
		Smuts, Periconia, Myxomycetes	2	20	8
		Bipolaris/Drechslera group	2	20	8
		Ascospores	2	20	8
7: E 106	220	Cladosporium	8	80	36
		Basidiospores	5	50	23
		Bipolaris/Drechslera group	3	30	14
		Penicillium/Aspergillus types	2	20	9
		Alternaria	2	20	9
		Curvularia	1	10	5
		Ascospores	1	10	5
8: 2nd Floor Art	420	Cladosporium	15	150	36
		Penicillium/Aspergillus types	12	120	29
		Smuts, Periconia, Myxomycetes	5	50	12
		Basidiospores	4	40	10
		Bipolaris/Drechslera group	3	30	7
		Ascospores	2	20	5
		Alternaria	1	10	2

Table 1 Bixby Northeast Elementary and Intermediate 25% Random Air Monitoring Survey Date: December 16th, 2014					
Location	Total spores/m3	Species	Raw count	Calc. count	% of total
9: E 203	330	Basidiospores	8	80	24
		Penicillium/Aspergillus types	7	70	21
		Smuts, Periconia, Myxomycetes	5	50	15
		Cladosporium	4	40	12
		Bipolaris/Drechslera group	4	40	12
		Ascospores	3	30	9
		Other brown	1	10	3
		Curvularia	1	10	3
10: W 202	30	Basidiospores	3	30	100
11: W 206	260	Basidiospores	8	80	31
		Penicillium/Aspergillus types	6	60	23
		Cladosporium	5	50	19
		Epicoccum	4	40	15
		Smuts, Periconia, Myxomycetes	1	10	4
		Ascospores	1	10	4
		Alternaria	1	10	4
12: W 209	270	Penicillium/Aspergillus types	6	60	22
		Basidiospores	5	50	19
		Ascospores	5	50	19
		Bipolaris/Drechslera group	3	30	11
		Cladosporium	2	20	7
		Torula	1	10	4
		Smuts, Periconia, Myxomycetes	1	10	4
		Pithomyces	1	10	4
		Epicoccum	1	10	4
		Chaetomium	1	10	4
		Alternaria	1	10	4

Table 1 Bixby Northeast Elementary and Intermediate 25% Random Air Monitoring Survey Date: December 16th, 2014					
Location	Total spores/m3	Species	Raw count	Calc. count	% of total
13: W 203	390	Cladosporium	11	110	28
		Epicoccum	5	50	13
		Bipolaris/Drechslera group	5	50	13
		Alternaria	5	50	13
		Smuts, Periconia, Myxomycetes	4	40	10
		Penicillium/Aspergillus types	4	40	10
		Basidiospores	4	40	10
		Ascospores	1	10	3
14: Outside Reference Post	860	Cladosporium	43	430	50
		Basidiospores	28	280	33
		Ascospores	6	60	7
		Penicillium/Aspergillus types	3	30	3
		Smuts, Periconia, Myxomycetes	2	20	2
		Bipolaris/Drechslera group	2	20	2
		Alternaria	2	20	2

Table 2 Indoor Air Quality Parameters – Average Concentrations Bixby Northeast Elementary and Intermediate 25% Sampling Date: 12-16-2014					
Location	Test # (Meter #)	Carbon Dioxide (Average)	Carbon Monoxide	Temperature	Humidity
Room W112	009 (4002)	583 ppm	0 ppm	68 °F	30 %
Room W107	008 (5001)	837 ppm	0 ppm	73 °F	29 %
Room E101	010 (4002)	2791 ppm	0 ppm	71 °F	47 %
Room E104	009 (5001)	2009 ppm	0 ppm	71 °F	39 %
2 nd Floor Art	010 (5001)	844 ppm	0 ppm	72 °F	29 %
Room E203	011 (4002)	1787 ppm	0 ppm	73 °F	36 %
Room W206	011 (5001)	1532 ppm	0 ppm	70 °F	35 %
Room W208	012 (4002)	1965 ppm	0 ppm	70 °F	41 %
Outside Reference	012 (5001)	434 ppm	0.1 ppm	54 °F	32 %



Liberty OHM

APPENDIX A

LABORATORY RESULTS



Report for:

Jack Kerr
Liberty OHM
1211 E 39th St
Tulsa, OK 74105

Regarding: Project: 14-157; Bixby NE Elem. & Inter.
EML ID: 1304060

Approved by:

Dates of Analysis:
Spore trap analysis: 12-18-2014

Operations Manager
Joshua Cox

Service SOPs: Spore trap analysis (EM-MY-S-1038)
AIHA-LAP, LLC accredited service, Lab ID #102297

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Liberty OHM
C/O: Jack Kerr
Re: 14-157; Bixby NE Elem. & Inter.

Date of Sampling: 12-16-2014
Date of Receipt: 12-17-2014
Date of Report: 12-18-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	1: Outside Reference Pre				2: W 112				3: W 107				4: W 101			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	5945431-1				5945432-1				5945433-1				5945434-1			
Analysis Date:	12/18/2014				12/18/2014				12/18/2014				12/18/2014			
Sample volume (liters)	100				100				100				100			
Background debris (1-4+)††	2+				2+				2+				2+			
	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%
Hyphal fragments	2	20	10	n/a					1	10	10	n/a	4	40	10	n/a
Pollen																
§ TOTAL FUNGAL SPORES	68	680	n/a	100	10	100	n/a	100	6	60	n/a	100	31	310	n/a	100
Alternaria	1	10	10	1												
Ascospores	2	20	10	3	2	20	10	20	1	10	10	17	3	30	10	10
Basidiospores	12	120	10	18	1	10	10	10	1	10	10	17	9	90	10	29
Bipolaris/Drechslera group													3	30	10	10
Chaetomium																
Cladosporium	43	430	10	63	3	30	10	30	1	10	10	17	5	50	10	16
Curvularia	1	10	10	1									1	10	10	3
Epicoccum	3	30	10	4												
Nigrospora	1	10	10	1												
Other brown	3	30	10	4	2	20	10	20	1	10	10	17	1	10	10	3
Penicillium/Aspergillus types	1	10	10	1	2	20	10	20	2	20	10	33	7	70	10	23
Smuts, Periconia, Myxomycetes	1	10	10	1									2	20	10	6
Stachybotrys																

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

*The DL/m3 has been rounded to a whole number.

††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Fungal Spores has been rounded to two significant figures to reflect analytical precision.

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C/O: Jack Kerr
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Date of Sampling: 12-16-2014
Date of Receipt: 12-17-2014
Date of Report: 12-18-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	5: E 101				6: E 104				7: E 106				8: 2nd Floor Art			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	5945435-1				5945436-1				5945437-1				5945438-1			
Analysis Date:	12/18/2014				12/18/2014				12/18/2014				12/18/2014			
Sample volume (liters)	100				100				100				100			
Background debris (1-4+)††	4+				3+				3+				3+			
	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%
Hyphal fragments	21	210	10	n/a					6	60	10	n/a	1	10	10	n/a
Pollen																
§ TOTAL FUNGAL SPORES	58	580	n/a	100	24	240	n/a	100	22	220	n/a	100	42	420	n/a	100
Alternaria	4	40	10	7					2	20	10	9	1	10	10	2
Ascospores	7	70	10	12	2	20	10	8	1	10	10	5	2	20	10	5
Basidiospores	1	10	10	2	3	30	10	13	5	50	10	23	4	40	10	10
Bipolaris/Drechslera group	21	210	10	36	2	20	10	8	3	30	10	14	3	30	10	7
Chaetomium																
Cladosporium	4	40	10	7					8	80	10	36	15	150	10	36
Curvularia	1	10	10	2					1	10	10	5				
Epicoccum	5	50	10	9												
Nigrospora																
Other brown	1	10	10	2	5	50	10	21								
Penicillium/Aspergillus types	6	60	10	10	10	100	10	42	2	20	10	9	12	120	10	29
Smuts, Periconia, Myxomycetes	8	80	10	14	2	20	10	8					5	50	10	12
Stachybotrys																

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

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§ Total Fungal Spores has been rounded to two significant figures to reflect analytical precision.

Client: Liberty OHM
C/O: Jack Kerr
Re: 14-157; Bixby NE Elem. & Inter.

Date of Sampling: 12-16-2014
Date of Receipt: 12-17-2014
Date of Report: 12-18-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	9: E 203				10: W 202				11: W 206				12: W 209			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	5945439-1				5945440-1				5945441-1				5945442-1			
Analysis Date:	12/18/2014				12/18/2014				12/18/2014				12/18/2014			
Sample volume (liters)	100				100				100				100			
Background debris (1-4+)††	3+				2+				3+				3+			
	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%
Hyphal fragments	5	50	10	n/a					6	60	10	n/a	2	20	10	n/a
Pollen																
§ TOTAL FUNGAL SPORES	33	330	n/a	100	3	30	n/a	100	26	260	n/a	100	27	270	n/a	100
Alternaria									1	10	10	4	1	10	10	4
Ascospores	3	30	10	9					1	10	10	4	5	50	10	19
Basidiospores	8	80	10	24	3	30	10	100	8	80	10	31	5	50	10	19
Bipolaris/Drechslera group	4	40	10	12									3	30	10	11
Chaetomium													1	10	10	4
Cladosporium	4	40	10	12					5	50	10	19	2	20	10	7
Curvularia	1	10	10	3												
Epicoccum									4	40	10	15	1	10	10	4
Other brown	1	10	10	3												
Penicillium/Aspergillus types	7	70	10	21					6	60	10	23	6	60	10	22
Pithomyces													1	10	10	4
Smuts, Periconia, Myxomycetes	5	50	10	15					1	10	10	4	1	10	10	4
Stachybotrys																
Torula													1	10	10	4

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

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C/O: Jack Kerr
Re: 14-157; Bixby NE Elem. & Inter.

Date of Sampling: 12-16-2014
Date of Receipt: 12-17-2014
Date of Report: 12-18-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	13: W 203				14: Outside Reference Post			
Comments (see below)	None				None			
Lab ID-Version‡:	5945443-1				5945444-1			
Analysis Date:	12/18/2014				12/18/2014			
Sample volume (liters)	100				100			
Background debris (1-4+)††	3+				3+			
	Count	Count/m3	DL/m3*	%	Count	Count/m3	DL/m3*	%
Hyphal fragments	3	30	10	n/a	5	50	10	n/a
Pollen					1	10	10	n/a
§ TOTAL FUNGAL SPORES	39	390	n/a	100	86	860	n/a	100
Alternaria	5	50	10	13	2	20	10	2
Ascospores	1	10	10	3	6	60	10	7
Basidiospores	4	40	10	10	28	280	10	33
Bipolaris/Drechslera group	5	50	10	13	2	20	10	2
Chaetomium								
Cladosporium	11	110	10	28	43	430	10	50
Curvularia								
Epicoccum	5	50	10	13				
Nigrospora								
Other brown								
Penicillium/Aspergillus types	4	40	10	10	3	30	10	3
Smuts, Periconia, Myxomycetes	4	40	10	10	2	20	10	2
Stachybotrys								

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

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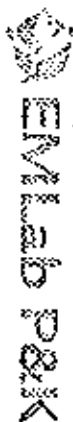
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

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CHAIN OF CUSTODY

www.EMLabPK.com



Marlton, NJ: 3000 Lincoln Drive East Suite A Marlton, NJ 08053 (866) 871-1984
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 • (800) 657-4602
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6653

WEATHER		Fog	Rain	Snow	Wind	Clear
None						
Light						
Moderate						
Heavy						

REQUEST	
Non-Culturable	Water, B.
Culturable	Spore Trap
Direct Exam	Water, B.



CONTACT INFORMATION

Company: **Liberty OHM** Address: 1211 E 39th St, Tulsa, OK 74105
 Contact: Jack Kerr Special Instructions: jack@libertyohm.com
 Phone/Email: 918-742-1567

TURN AROUND TIME CODES - (TAT)

Project ID: **14-157**
 Project Name: **Billy NLE Eden & Inter**
 Project Address: **1314/19 1pm**
 Project Date & Time: **12/14/14**
 PO Number: **1062**

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (sq)	NOTES (Time of day, Temp, RH, etc.)
-----------	-------------	---------------------	-------------	------------------------	-------------------------------------

1	Outside Reference Pk	ST	570	100L	
2	W 112				
3	W 107				
4	W 101				
5	E 101				
6	E 104				
7	E 106				
8	2nd Floor Aft				
9	E 203				
10	W 203				
11	W 206				
12	W 209				

SAMPLE TYPE CODES

BC - BioCassette	ST - Spore Trap; Zefon	T - Tape	D - Dust
ATS - Andersen	Allergenco, Burkard...	SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other	

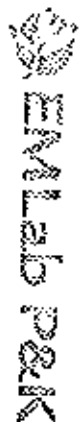
RELINQUISHED BY

DATE & TIME

RECEIVED BY

DATE & TIME

Fungi - Spore Trap Analysis	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 740)
Spore Trap Analysis - Other particles	Asbestos Analysis - PLM (EPA method 600/R-93-116)
Direct Microscopic Exam (Qualitative)	PCR (please specify test)
Quantitative Spore Count Direct Exam	
1-Media Surface Fungi (Genus ID + Asp. spp.)	
2-Media Surface Fungi (Genus ID + Asp. spp.)	
3-Media Surface Fungi (Genus ID + Asp. spp.)	
Culturable Air Fungi (Genus ID + Asp. spp.)	
Gram Stain and Counts (Culturable Air and Surface Bacteria)	
Legionella culture	
Total Coliform, E.coli (Presence/Absence)	
Membrane Filtration (Please specify organism)	
MPN Bacteria (Please specify organism)	
QuantTray - Sawage Screen	



WEATHER:	Fog	Rain	Snow	Wind	Cloud
None					
Light					
Moderate					
Heavy					

REQUESTED SERVICES (✓ Boxes)

Marlton, NJ: 3000 Lincoln Drive East, Suite A Marlton, NJ 08053 (856) 871-1984
 Phoenix, AZ: 1301 West Knudson Drive, Phoenix, AZ 85027 * (800) 651-4802
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

001304060



CONTACT INFORMATION

Company: Liberty OHM

Address: 1211 E 36th St, Tulsa, OK 74105

Contact: Jack Kerr

Special Instructions: jack@libertyohm.com

Phone/Fax: 918-742-1567

PROJECT INFORMATION

Project ID: 14-157

Project Desc: *13th & 14th NE Elm & Inter*

Project Sampling

Date & Time: *12/11/14 4pm*

PO Number:

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT)

ND - Next Business Day

SD - Same Business Day Rush

WH - Weekend/Holiday

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

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Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as)	NOTES (Time of day, Temp, RH, etc.)	Requested Services
13	<i>11 2003</i>	<i>ST</i>	<i>STD</i>	<i>100 L</i>		<input checked="" type="checkbox"/> Fungi - Spore Trap Analysis <input checked="" type="checkbox"/> Spore Trap Analysis - Other particles <input checked="" type="checkbox"/> Direct Microscopic Exam (Qualitative) <input checked="" type="checkbox"/> Quantitative Spore Count Direct Exam <input checked="" type="checkbox"/> 1-Media Surface Fungi (Genus ID + Asp. spp.) <input checked="" type="checkbox"/> 2-Media Surface Fungi (Genus ID + Asp. spp.) <input checked="" type="checkbox"/> 3-Media Surface Fungi (Genus ID + Asp. spp.) <input checked="" type="checkbox"/> Cultureable Air Fungi (Genus ID + Asp. spp.) <input checked="" type="checkbox"/> Gram Stain and Counts (Cultureable Air and Surface) <input checked="" type="checkbox"/> Legionella culture <input checked="" type="checkbox"/> Total Coliform, E coli (Presence/Absence) <input checked="" type="checkbox"/> Membrane Filtration (Please specify organism) <input checked="" type="checkbox"/> MPN Bacteria (Please specify organism) <input checked="" type="checkbox"/> QuantiTray - Sewage Screen <input checked="" type="checkbox"/> Asbestos Analysis - PCM Airborne Fiber Count (NIOSH) <input checked="" type="checkbox"/> Asbestos Analysis - PLM (EPA method 600/9-93-116) <input checked="" type="checkbox"/> PCR (please specify test)
14	<i>Outside Reference Post</i>	<i>ST</i>	<i>STD</i>	<i>1</i>		

SAMPLE TYPE CODES

BC - BioCassette	ST - Spore Trap; Zefon, Allergenco, Burkard, ...	T - Tape	D - Dust
AIS - Andersen		SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other:	

REINQUISHED BY

DATE & TIME

RECEIVED BY

DATE & TIME

Jack Kerr *12/11/14 5pm*

Jack Kerr *12/17/14*

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at www.emlabpk.com/terms.html

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