

OREGON OSHA

Batch ID: 8

Employer / Loc: 5839741 114 **Seq:** 001

Employer Name: MULTNOMAH COUNTY SCHOOL
DISTRICT #1 (PORTLAND SD 1J)

File Type / No: COMPLAINT 208934075

No. of Pages:

Comments:



03208934075001



Notice of Alleged Safety or Health Hazards

Mon Oct 29, 2012 11 40am

		Complaint Number		208934075	
Establishment Name	Multnomah County School District #1 <i>Portland SD 1J</i>				
Site Address	6700 NE Prescott Street, Portland, OR 97218				
	Site Phone	(503) 916-6368	Site FAX		
Mailing Address	501 N Dixon, Portland, OR 97208				
	Mail Phone		Mail FAX		
Management Official				Telephone	
Type of Business	Elementary School			Ownership	
Primary SIC	8211		Primary NAICS	611110	
HAZARD DESCRIPTION/LOCATION. Describe briefly the hazard(s) which you believe exist Include the approximate number of employees exposed to or threatened by each hazard Specify the particular building or worksite where the alleged violation exists					

DESCRIPTION:

Mold in the air in the english 2nd language portable classroom

LOCATION:

11/26/12 RCVD OREGON

Has this condition been brought to the attention of:	Employer
Please Indicate Your Desire:	My name may be revealed to the Employer
The Undersigned believes that a violation of an Occupational Safety or Health standard exists which is a job safety or health hazard at the establishment named on this form	D. Other

Complainant Name	Anonymous	Telephone	
Address(Street, City, State, Zip)			
Signature		Date	

If you are an authorized representative of employees affected by this complaint, please state the name of the organization that you represent and your title:

Organization Name _____ Your Title: _____

OFFICIAL USE ONLY:

Identification	Reporting ID	1054191	Previous Activity	0	Opt Number	034
	Establishment Name Change? <input type="checkbox"/> Yes <input type="checkbox"/> No		Site Address Change? <input type="checkbox"/> Yes <input type="checkbox"/> No	Employer ID 5839741-114	City Code 1650	County Code 051
Receipt Information	Received By X5307	Send OSHA-7? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date: 10/24/12 Time: _____ AM PM	Supervisor(s) Assigned Q2473		

Industry & Ownership: **B. Local Government**

Complaint Evaluation	Evaluated By <i>wdl 7/10/24</i>	Subject/Severity Health-Other
	Is this a Valid Complaint? -- Yes	
	Formality -- Non Formal	
	Migrant Farmworker Camp? --	

Send Letter	Type	Date Letter Sent	Date Response Due
	D. Nonformal Complaint to Employer	10/29/12	11/11/12

Received Letter	Type	Date Letter Received	Evaluation	Abatement Date

Complaint Action	Inspection Planned?	If Yes, Priority:	If No, Reason:
	No		
	Transfer To (Name)	Transfer Date	
Transfer To Category			

Strategic Initiatives	
National Emphasis	
Local Emphasis	

Optional Information	Type	ID	Value

Close Complaint	Yes
-----------------	------------

COMMENTS



Oregon

John A. Kitzhaber, MD, Governor

Department of Consumer and Business Services
Oregon Occupational Safety & Health Division (OR-OSHA)

November 16, 2012

Patrick Wolfe, Senior Manager
Environmental Health and Safety
Portland Public Schools
501 N Dixon St
Portland, OR 97227

Subject: Notification of Complaint, October 29, 2012
Your Letter of Response, November 9, 2012

Thank you for your response to our notification of a complaint concerning alleged unsafe working conditions. You indicated that the complaint has been investigated and necessary action has been taken to correct any hazards identified. I appreciate the efforts that you have taken to assure safe and healthful working conditions for your employees.

At this time, no further action is planned. However, if we receive additional information from the complainant that the hazards have not been satisfactorily addressed or another complaint of this nature is received, then an inspection may be conducted or additional information may be requested.

The Oregon Occupational Safety and Health Division has consultative services available to assist you in solving particular problems relating to employee safety and health. You may request those services by contacting our office.

If we can be of further assistance, please contact us.

Penny Wolf-McCormick
Health Enforcement Manager/Industrial Hygienist
OR-OSHA Portland Field Office
1750 NW Naito Parkway Suite 112
Portland OR 97209-2533
(503) 229-5910

plc/208934075

cc: Field Office Files
Central Files





November 9, 2012

Penny Wolf-McCormick
 Health Enforcement Manager/Industrial Hygienist
 OR-OSHA Portland Field Office
 1750 NW Naito Parkway, Suite 112
 Portland, OR 97209-2533

Re Complaint No 208934075

Good Morning,

ok response. CO2 not in excess of PEL. Ventilation shall be on for comfort. No excessive biological activity as compared to outdoors. please check

Environmental Health and Safety received your letter of inquiry regarding the portable classroom at Scott School. There actually are two contiguous portables, each served by their own heat pump. Environmental Health & Safety received on October 22nd a complaint regarding Portable A. The teacher in portable A informed the principal on October 19th that a mold problem existed in the portable. On the basis of the e-mail, I requested that an outside consulting firm take air samples for analysis by an independent laboratory. PBS Environmental and Engineering responded that afternoon and submitted a report on October 25th. I've attached the report for your reference.

*sub
4/23/12*

I received an e-mail on October 31st from the teacher in Portable B, requesting an explanation of the report for the other portable and informing me that problems existed in her portable as well. Environmental Health & Safety already had conducted an inspection of both portables on October 24th, identifying partially-obstructed outside air intake grilles. The inspector also found that the teacher in Portable A had turned off the heat pump/ventilation. I've also attached the e-mail report from that inspection.

) ✓

I returned on November 5 to inspect both portables and place air monitors. Conditions were within normal parameters. Maintenance workers previously had cleaned the grilles and checked the heat pumps. Both were operating, CO₂ levels were between 589 ppm and 853 ppm. PBS Environmental and Engineering inspected Portable B on November 6th. It submitted a report, also attached, on November 8th. For comparative purposes, PBS also sampled the other portable. Neither report found indications of a significant air quality concern.

*ok
good*

If you should have additional questions, please call me at 503 916-3409 or e-mail at pwolfe@pps.net

Sincerely,

Patrick Wolfe, Senior Manger
 Environmental Health and Safety

Enclosures 3

Wolf-McCormick Penny L

From: Patrick Wolfe <pwolfe@pps.net>
Sent: Friday, November 09, 2012 10:36 AM
To: Penny Wolf-McCormick
Cc: Tom Adams, Karl Logan
Subject: Scott Portables A and B 2012 11 09 docx
Attachments: Scott Portables A and B 2012 11 09 docx, Scott Portable A 2012 10 25 pdf, Scott Portable B 2012 11 08 pdf, Scott School Portable #A and Annex Classrooms

Good Morning;

Attached is a response to your letter of inquiry regarding Complaint No. 208934075. For your reference, I also have attached a field inspection report and two IAQ studies, recently completed. Hard copies follow by mail.

Until new data becomes available, PPS intends to take no further action.

If you would care to discuss this matter, please call me at 503 916-3409 or e-mail at pwolfe@pps.net.

Sincerely,

Patrick

Patrick Wolfe
Senior Manager
Facilities Operations
Facilities and Asset Management
Portland Public Schools
501 N. Dixon Street, Portland, OR 97227
Phone: 503 916-3409
Fax: 503 916-3044
E-mail address: pwolfe@pps.net

Wolf-McCormick Penny L

From: Herb Wagner <hwagner@pps.net>
Sent: Wednesday, October 24, 2012 12:35 PM
To: Patrick Wolfe, Jerry Lively, Bryon Booze
Cc: Tom Adams
Subject: Scott School Portable #A and Annex Classrooms
Attachments: DSCN3034.JPG, DSCN3032.JPG, DSCN3033.JPG

Good afternoon:

I was at Scott today on my annual site safety survey and I looked at a couple of areas recent concern

In Portable #A and I believe now Portable #B (Classroom that is part of the same portable as #A is) have had an email chain going on for a bit about mold and indoor air quality conditions there.

Today I made some observations with comments: See below.

-In Portable #A the teacher conducted a "Send in Mailer" mold test and has shut off the air handler as she believes it is supply mold into the room.

-I found the air handler set at 60 degrees F so it does not run during the day. No air flow is in the room and windows are closed. The teacher does reading classes and the number of students will vary from 2 – dozen.

I measured the CO2 levels with 2 students, the teacher and myself in the room at about 10:30 AM and found the CO2 level to be 1104 ppm. Outside air was at 414 ppm. *Air flow?*

-The Bard HVAC units have filters in them. Jerry Lively is checking to see when they were last changed and if they are on the change out schedule. This is one of the newer portables but not the latest generation.

-The Bard HVAC units have a metal mesh pre-filter, see attached photo, which is in front of the changeable air filter. The metal mesh filters have a fair amount of dust loading on them. The pre-filters should be blown off along with any accumulations in the heating coils. *✓ good*

- In Portable #A the Carbon dioxide sensor that connects up with the HVAC unit is not working. It shows a service symbol in the window. Also the sensor in Portable #B should be checked out.

In summary the IAQ conditions in Portable #A today were 63 degrees F., 50% Relative Humidity, and 1104 ppm for airborne carbon dioxide levels. The teacher was present in the portable today and I explained that importance of a functioning ventilation system in a portable for having the fans always running. She appeared to realize that fresh air needs to be brought in as she did not have these problems until the windows were closed up when the weather became cold. We need to get some things fixed up over there for them to run again.

Also brought up in the main office today while I was checking in were asbestos concerns in the Annex. As part of my general walk through I made checks in the rooms and took a few photos. In rooms 101, 102, 103, 104 and the office area there are large areas of floor tile that are taped down. These areas are not easily repairable due to floor cement buckling from rusting rebar in the floor. It was thought these areas would have been abated last summer but they were not. The other couple of classrooms in the Annex could be abated also as they have the same flooring system. The tape appears to be OK for now so hopefully none of it will break loose.

Sincerely,

Herbert G. Wagner, WSO-CSSD
Safety Hazmat Coordinator
State Of Oregon-Lead Paint Risk Assessor and Inspector # 1041
Facilities Operations
Facilities & Asset Management

Portland Public Schools
501 N. Dixon St.
Portland, OR 97227
Telephone (503) 916-2000, x74277
Cellular (503) 522-5095
Fax (503) 916-3044
E-mail: hwagner@pps.net



Engineering +
Environmental
Est. 1982

October 25, 2012

Portland Public Schools
Attn Patrick Wolfe
501 N Dixon Street
Portland, Oregon 97227

Via email pwolfe@pps.net

Re Indoor Air Quality Report
Scott Middle School, Portable A
6700 NE Prescott Street, Portland, Oregon
PBS Project No 6500 447

Dear Mr Wolfe

On October 22, 2012, PBS Engineering and Environmental Inc (PBS) performed an indoor air quality assessment in Portable A at Scott Middle School, located at 6700 NE Prescott Street in Portland, Oregon. The purpose of the investigation was to determine if there was evidence of an indoor air quality concern in the test areas. PBS performed a thorough visual assessment of the test areas and collected air samples from inside and outside of the building.

PBS noticed no unusual odors during the entirety of the site visit. No evidence of historic or active water intrusion was observed. ✓

Air Samples

PBS collected one air sample from inside Portable A, one air sample from inside Room 402 in the main building, and two air samples from the outdoors. The two outdoor samples were collected outside of Portable A. These samples were collected utilizing Allergenco-D sample cassettes with a high volume vacuum pump. Each sample was collected at a flow rate of 15 liters per minute for 5 minutes from an elevation of approximately 4 feet above floor level. The samples were submitted to Lab/Cor, Inc in Seattle, Washington under chain of custody for fungal and non-fungal particulate identification.

The results of this analysis (see attached report) indicate that the outdoor airborne fungal concentrations were significantly greater than the indoor airborne fungal concentrations at the time of the test. Additionally, the types of fungal particulate and their relative proportions were very similar in the indoor and outdoor samples. These two observations are a strong indication that there is not a significant or unusual fungal condition in the vicinity of the indoor test areas and that the fungal particulate captured in the indoor samples originated from the outdoors. Below is a table that summarizes the findings of these tests. ✓ ok

4412 SW Corbett Avenue, Portland, OR 97239
503.248.1939 Main
866.727.0140 Fax
888.248.1939 Toll-Free
www.pbseiv.com

Bend | Boise | Coquille | Eugene | Portland | Seattle | Tri-Cities | Vancouver

Table 1. Fungal Particulate Air Sample Results

Sample Number	Location	Fungal Identification (Total/m ³)	Predominant Spore Type
001	Portable A	1,667	<i>Basidiospores</i>
002	Room 402	1,667	<i>Basidiospores</i>
003	Outdoors	8,601	<i>Basidiospores</i>
004	Outdoors	10,266	<i>Basidiospores</i>

Total/m³ = total spores per cubic meter

The primary types of non-fungal particulate identified in the indoor samples included amorphous particulate (dirt) and dander (skin flakes) These non-fungal particulate are typical of an indoor school environment and do not present an unusual indoor air quality concern

Summary of Findings

Based upon the findings of this investigation, it is PBS' opinion that there is not an active or elevated fungal concern in the vicinity of the test areas and that non-fungal particulate appeared to be typical of an indoor school environment

If you have any questions regarding this information, please contact me at 503 935 5484

Sincerely,
PBS Engineering and Environmental Inc



Dale Voeller, CHMM
Project Manager

Rev DH

Attached Laboratory Analytical Reports



Lab/Cor, Inc.

7619 6th Ave NW
Seattle, WA 98117

Analysis Report Cover

Final Report

A Professional Service Corporation in the Northwest

Phone (206) 781-0155

Fax (206) 789-8424

http://www.labcor.net

Job Number: 121285 SEA

Report Number: 121285R01

Client: PBS Engineering and Environmental, Inc.

Report Date: 10/25/2012

**Address: 4412 SW Corbett Ave
Portland, OR 97239**

Project Name Scott School

Project No.: 6500 447

PO Number

Sub Project

Reference No.:

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows.

Lab/Cor Sample #	Client Sample # and Description	Analysis	Analysis Notes	Date Received
121285 - S1	001 - Portable A	NV, Air, Fungal & Part ID		10/24/2012
121285 - S2	002 - Room 402	NV, Air, Fungal & Part ID		10/24/2012
121285 - S3	003 - Outdoors	NV, Air, Fungal & Part ID		10/24/2012
121285 - S4	004 - Outdoors	NV, Air, Fungal & Part ID		10/24/2012

Nonviable Air Air samples follow preparation and analysis techniques outlined in Method 5 of the laboratory SOP. Samples were collected using either a Zefon, Cyclex-D, or M2 Multi-Mold nonviable air sample cassette. Characteristic morphologies were observed by optical microscopy at a magnification of 600x. For each individual particle type observed, data was reported in particles per cubic meter of air (m3).

Due to various factors that influence uncertainty (media type, particle loading, staining, instrumentation and other variable aspects of the method), only the first two figures reported are considered to be significant. The area analyzed on each sample is 20%.

Disclaimer The results reported relate only to the samples tested or analyzed, the laboratory did not have control over sample collection. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Lab/Cor, Inc. the opportunity to provide you with the analytical services.

Sincerely,

Chandra Jeyabalan

Analyst

**Lab/Cor, Inc.**7619 6th Ave NW
Seattle, WA 98117**Final Report***A Professional Service Corporation in the Northwest*

Phone (206) 781-0155

Fax (206) 789-8424

http://www.labcor.net

Nonviable Air

Job Number: 121285

Client: PBS Engineering and Environmental, Inc.

Project Name: Scott School

Project No.: 6500 447

Reference No.

Report Number: 121285R01

Date Received: 10/24/2012

Lab/Cor ID:	S1	S2
Sample No.:	001	002
Description:	Portable A	Room 402
Sample Measure:	75 L	75 L
Media Type:	Fungal-AllergencoD	Fungal-AllergencoD
Analyst - Analysis Date:	CJ - 10/24/2012	CJ - 10/24/2012
MRL:	67	67
Scope - Magnification:	Olympus BHS - 600	Olympus BHS - 600
Notes:		

Fungal Identification	Raw Count*	Total Count**	Total/m³	Raw Count*	Total Count**	Total/m³
Ascospores	3	15	200	1	5	67
Aspergillus/ Penicillium-like				1	5	67
Basidiospores	16	80	1067	17	85	1133
Cladosporium	5	25	333	6	30	400
Ganoderma						
Hyphal Fragments	1	5	67			
Myxo / Periconia/ Smuts						
Unidentified Spore						
Summary Total:	25	125	1667	25	125	1667

Nonfungal Identification	Raw Count*	Total Count**	Total/m³	Raw Count*	Total Count**	Total/m³
Algae	1	5	67			
Amorphous Particulates	165	825	11000	440	2200	29333
Crystalline Particulates	4	20	267	22	110	1467
Dander	66	330	4400	220	1100	14667
Fiberglass				1	5	67
Paint Spheres/ Chips	1	5	67			
Paper	10	50	667	33	165	2200
Rust Fragments				1	5	67
Soot	8	40	533	5	25	333
Starch				10	50	667
Toner Particles	3	15	200	1	5	67
Summary Total:	258	1290	17201	733	3665	48868

* - Raw Counts per 20% of Sample

** - Total Count per Sample

Nonviable Air

Job Number: 121285

Client: PBS Engineering and Environmental, Inc.

Project Name: Scott School

Project No.: 6500 447

Reference No.:

Report Number: 121285R01

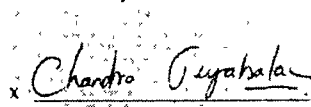
Date Received: 10/24/2012

Lab/Cor ID	S3	S4
Sample No.	003	004
Description	Outdoors	Outdoors
Sample Measure:	75 L	75 L
Media Type:	Fungal-AllergencoD	Fungal-AllergencoD
Analyst - Analysis Date	CJ - 10/24/2012	CJ - 10/24/2012
MRL:	67	67
Scope - Magnification	Olympus BHS - 600	Olympus BHS - 600
Notes:		

Fungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Ascospores	13	65	867	33	165	2200
Aspergillus/ Penicillium-like	1	5	67	5	25	333
Basidiospores	61	305	4067	68	340	4533
Cladosporium	51	255	3400	47	235	3133
Ganoderma				1	5	67
Hyphal Fragments						
Myxo / Periconia/ Smuts	2	10	133			
Unidentified Spore	1	5	67			
Summary Total:	129	645	8601	154	770	10266

Nonfungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Algae						
Amorphous Particulates	48	240	3200	40	200	2667
Crystalline Particulates						
Dander				2	10	133
Fiberglass						
Paint Spheres/ Chips	2	10	133			
Paper						
Rust Fragments	2	10	133	1	5	67
Soot	1	5	67	1	5	67
Starch						
Toner Particles						
Summary Total:	53	265	3533	44	220	2934

Reviewed by:


Chandra Jeyabalan
Analyst

* - Raw Counts per 20% of Sample
** - Total Count per Sample

Fungal / Particulate Sample Chain of Custody Record

121285

Lab/Cor, Inc
 7619 6th Ave NW
 Seattle, WA 98117

 Office (206) 781-0155
 Fax (206) 789-8424

 mail@labcor.net
 www.labcor.net

Client: _____
 Address: _____
 City, State, _____
 Contact: _____
 Phone: _____
 Email: _____
 Other Info: _____



Dale Voeller, CHMM
 Project Manager
 503.935.5484 DIRECT
 503.515.4726 MOBILE
 dale_voeller@pbsenv.com

www.pbsenv.com
 4412 SW Corbett Ave
 Portland, OR 97239
 503.248.1939 MAIN
 503.248.0223 FAX

Engineering & Environmental

Analysis Type:
Nonviable Options:
 _____ Fungal ID
 Fungal & Particulate ID
 _____ Particulate ID
 _____ Quantitative Analysis (Total Count)
 _____ Qualitative Analysis (Relative Abundance)
Viable Options:
 _____ Complete Analysis
 _____ Genera Only _____ Stachy Only

Turnaround Time:
 _____ 6 hr RUSH*
 24 hours*
 _____ 48 hours
 _____ 3 days (NV Std)
 _____ 5 days
 _____ Viable (7-10 days)

Project Name: SCOTT SCHOOL Project Number: 6500-447 P.O. Number: _____

Sample #	Sample Description	Sample Information										Sampling Information								
		Sample Type					Media Type					Sample Date	Sample Time		Sample Flow Rate			Total Volume / Area		
		NV	V	NV	V	NV	V	NV	V	NV	MEA		Stachy	Other	On	Off	Start		End	Avg
001	PORTABLE A	X																	15	75 L
002	ROOM 402	X																		75
003	OUTDOORS	X																		75
004	OUTDOORS	X																		75

Internal Lab Use Only:
 Prelim Released: _____ Final Results Released: _____ Hardcopy / Invoice Mailed: _____
 By: Fax Phone E-mail Verbal By: Fax Phone E-mail Reviewed By: _____

By signing below you are agreeing to comply with Lab/Cor's Requests, Tenders and Contracts. * Call ahead for TATs of 24 hours or less
 Relinquished by: [Signature] 10/23/12 @ 7:46 AM Received by: _____ Date: 10/23/12 Time: [Signature]

9.25



Engineering +
Environmental
Est. 1982

November 8, 2012

Portland Public Schools
Attn: Patrick Wolfe
501 N Dixon Street
Portland, Oregon 97227

Via email: pwolfe@pps.net

Re: Indoor Air Quality Report
Scott Middle School, Portable B
6700 NE Prescott Street, Portland, Oregon
PBS Project No. 6500 447 / 0002

Dear Mr. Wolfe:

On November 6, 2012, PBS Engineering and Environmental Inc. (PBS) performed an indoor air quality assessment in Portable B at Scott Middle School, located at 6700 NE Prescott Street in Portland, Oregon. The purpose of the investigation was to determine if there was evidence of an indoor air quality concern in the test areas. PBS performed a thorough visual assessment of the test areas and collected air samples from inside and outside of the building.

PBS noticed no unusual odors during the entirety of the site visit. No evidence of historic or active water intrusion was observed.

Air Samples

PBS collected one air sample from inside Portable B, one air sample from inside Portable A, one air sample from inside Room 404 in the main building, and two air samples from the outdoors. The two outdoor samples were collected outside of Portable A / B. These samples were collected utilizing Allergenco-D sample cassettes with a high volume vacuum pump. Each sample was collected at a flow rate of 15 liters per minute for 5 minutes from an elevation of approximately 4 feet above floor level. The samples were submitted to Lab/Cor, Inc. in Seattle, Washington under chain of custody for fungal and non-fungal particulate identification.

Portable B and Portable A are adjacent rooms in the same stand-alone portable building. Staff reported that Portable B had been used for only two hours on the day of the test. Portable A had reportedly been in use for most of the day and windows had been open prior to completing the air monitoring.

The results of this analysis (see attached report) indicate that the outdoor airborne fungal concentrations were significantly greater than the indoor airborne fungal concentrations at the time of the test. Additionally, the types of fungal particulate and their relative proportions were very similar in the indoor and outdoor samples. These two observations are a strong indication that there is not a significant or unusual fungal condition in the vicinity of the indoor test areas and that the fungal particulate captured in the indoor samples originated from the outdoors. Below is a table that summarizes the findings of these tests.

4412 SW Corbett Avenue, Portland, OR 97239
503 248 1939 Main
866 727.0140 Fax
888 248 1939 Toll-Free
www.pbseiv.com

Bend | Boise | Coquille | Eugene | Portland | Seattle | Tri-Cities | Vancouver

Table 1. Fungal Particulate Air Sample Results

Sample Number	Location	Fungal Identification (Total/m ³)	Predominant Spore Type
001	Portable B	1,200	<i>Basidiospores</i>
002	Portable A	12,600	<i>Basidiospores</i>
003	Room 404	11,468	<i>Basidiospores</i>
004	Outdoors	43,533	<i>Basidiospores</i>
005	Outdoors	48,800	<i>Basidiospores</i>

Total/m³ = total spores per cubic meter

The primary types of non-fungal particulate identified in the indoor samples included amorphous particulate (dirt) and dander (skin flakes) These non-fungal particulate are typical of an indoor school environment and do not present an unusual indoor air quality concern

Summary of Findings

Based upon the findings of this investigation, it is PBS' opinion that there is not an active or elevated fungal concern in the vicinity of the test areas and that non-fungal particulate appeared to be typical of an indoor school environment

If you have any questions regarding this information, please contact me at 503 935 5484

Sincerely,
PBS Engineering and Environmental Inc



Dale Voeller, CHMM
Project Manager

Rev DH

Attached Laboratory Analytical Reports



Lab/Cor, Inc.

7619 6th Ave NW
Seattle, WA 98117

Analysis Report Cover

Final Report

A Professional Service Corporation in the Northwest

Phone (206) 781-0155
Fax (206) 789-8424
http://www.labcor.net

Job Number: 121317 SEA

Report Number: 121317R01

Client: PBS Engineering and Environmental, Inc.

Report Date 11/7/2012

**Address: 4412 SW Corbett Ave
Portland, OR 97239**

Project Name: Scott School - Portable B

Project No. 6500 447/0002

PO Number:

Sub Project:

Reference No.

Enclosed please find results for samples submitted to our laboratory A list of samples and analyses follows

Lab/Cor Sample #	Client Sample # and Description	Analysis	Analysis Notes	Date Received
121317 - S1	005 - Portable B	NV, Air, Fungal & Part ID		11/7/2012
121317 - S2	006 - Portable A	NV, Air, Fungal & Part ID		11/7/2012
121317 - S3	007 - Room 404	NV, Air, Fungal & Part ID		11/7/2012
121317 - S4	008 - Outdoors	NV, Air, Fungal & Part ID		11/7/2012
121317 - S5	009 - Outdoors	NV, Air, Fungal & Part ID		11/7/2012

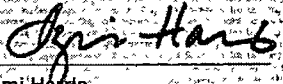
Nonviable Air Air samples follow preparation and analysis techniques outlined in Method 5 of the laboratory SOP. Samples were collected using either a Zefon, Cyclex-D, or M2 Multi-Mold nonviable air sample cassette. Characteristic morphologies were observed by optical microscopy at a magnification of 600x. For each individual particle type observed, data was reported in particles per cubic meter of air (m3).

Due to various factors that influence uncertainty (media type, particle loading, staining, instrumentation and other variable aspects of the method), only the first two figures reported are considered to be significant. The area analyzed on each sample is 20%.

Disclaimer The results reported relate only to the samples tested or analyzed, the laboratory did not have control over sample collection. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Lab/Cor, Inc. the opportunity to provide you with the analytical services.

Sincerely,


 Izumi Harris
 Analyst

Nonviable Air

Job Number 121317

Report Number 121317R01

Client: PBS Engineering and Environmental, Inc.

Date Received: 11/7/2012

Project Name Scott School - Portable B

Project No. 6500 447/0002

Reference No.

Lab/Cor ID:	S1	S2
Sample No.:	005	006
Description:	Portable B	Portable A
Sample Measure	75 L	75 L
Media Type	Fungal-AllergencoD	Fungal-AllergencoD
Analyst - Analysis Date	IH - 11/7/2012	IH - 11/7/2012
MRL:	67	67
Scope - Magnification	Olympus BHT-BH2 - 600	Olympus BHT-BH2 - 600
Notes.		

Fungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Ascospores				10	50	667
Aspergillus/ Penicillium-like	1	5	67	2	10	133
Basidiospores	14	70	933	167	835	11133
Cladosporium	3	15	200	7	35	467
Epicoccum						
Ganoderma				2	10	133
Hyphal Fragments						
Myxo / Periconia/ Smuts						
Unidentified Spore				1	5	67
Summary Total:	18	90	1200	189	945	12600

Nonfungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Amorphous Particulates	405	2025	27000	504	2520	33600
Charred Wood Fragments	1	5	67	1	5	67
Cotton Fibers	3	15	200	2	10	133
Dander	31	155	2067	72	360	4800
Manufactured Fibers	1	5	67	2	10	133
Paint Spheres/ Chips	3	15	200	15	75	1000
Paper	2	10	133	2	10	133
Soot	1	5	67	2	10	133
Starch	1	5	67			
Summary Total:	448	2240	29868	600	3000	39999

* - Raw Counts per 20% of Sample
 ** - Total Count per Sample

Nonviable Air

Job Number: 121317

Client: PBS Engineering and Environmental, Inc.

Project Name: Scott School - Portable B

Project No.: 6500 447/0002

Reference No.:

Report Number: 121317R01

Date Received 11/7/2012

Lab/Cor ID:	S3	S4
Sample No.	007	008
Description	Room 404	Outdoors
Sample Measure:	75 L	75 L
Media Type	Fungal-AllergencoD	Fungal-AllergencoD
Analyst - Analysis Date:	IH - 11/7/2012	IH - 11/7/2012
MRL:	67	67
Scope - Magnification	Olympus BHT-BH2 - 600	Olympus BHT-BH2 - 600
Notes:		

Fungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Ascospores	7	35	467	13	65	867
Aspergillus/ Penicillium-like	5	25	333	19	95	1267
Basidiospores	145	725	9667	599	2995	39933
Cladosporium	13	65	867	7	35	467
Epicoccum						
Ganoderma				8	40	533
Hyphal Fragments	1	5	67			
Myxo / Periconia/ Smuts				2	10	133
Unidentified Spore	1	5	67	5	25	333
Summary Total:	172	860	11468	653	3265	43533

Nonfungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Amorphous Particulates	7020	35100	468000	441	2205	29400
Charred Wood Fragments				1	5	67
Cotton Fibers	9	45	600	1	5	67
Dander	405	2025	27000	3	15	200
Manufactured Fibers	8	40	533			
Paint Spheres/ Chips	45	225	3000	24	120	1600
Paper	108	540	7200			
Soot	22	110	1467	20	100	1333
Starch	10	50	667			
Summary Total:	7627	38135	508467	490	2450	32667

* - Raw Counts per 20% of Sample
 ** - Total Count per Sample



Lab/Cor, Inc.

7619 6th Ave NW
Seattle, WA 98117

Final Report

Phone (206) 781-0155
Fax (206) 789-8424
http://www.labcor.net

A Professional Service Corporation in the Northwest

Nonviable Air

Job Number: 121317

Client: PBS Engineering and Environmental, Inc.

Project Name: Scott School - Portable B

Project No.: 6500 447/0002

Reference No.:

Report Number: 121317R01

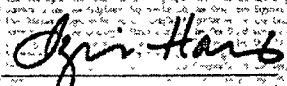
Date Received: 11/7/2012

Lab/Cor ID:	S5
Sample No.:	009
Description	Outdoors
Sample Measure:	75 L
Media Type:	Fungal-AllergencoD
Analyst - Analysis Date:	IH - 11/7/2012
MRL:	67
Scope - Magnification:	Olympus BHT-BH2 - 600
Notes:	

Fungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Ascospores	22	110	1467			
Aspergillus/ Penicillium-like	11	55	733			
Basidiospores	662	3310	44133			
Cladosporium	25	125	1667			
Epicoccum	2	10	133			
Ganoderma	9	45	600			
Hyphal Fragments						
Myxo / Periconia/ Smuts	1	5	67			
Unidentified Spore						
Summary Total:	732	3660	48800			

Nonfungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Amorphous Particulates	342	1710	22800			
Charred Wood Fragments						
Cotton Fibers						
Dander	3	15	200			
Manufactured Fibers						
Paint Spheres/ Chips	14	70	933			
Paper						
Soot	24	120	1600			
Starch						
Summary Total:	383	1915	25533			

Reviewed by.


Izumi Harris
Analyst

* - Raw Counts per 20% of Sample

** - Total Count per Sample

Fungal / Particulate Sample Chain of Custody Record

121317

Lab/Cor, Inc
 7619 6th Ave NW
 Seattle, WA 98117
 Office (206) 781-0155
 Fax (206) 789-8424
 mail@labcor.net
 www.labcor.net

Client: _____
 Address: _____
 City, State, _____
 Contact: _____
 Phone: _____
 Email: _____
 Other Info: _____

PBS

Dale Voeller, CHMM
 Project Manager
 503 935 5484 DIRECT
 503 515.4726 MOBILE
 dale_voeller@pbsenv.com

www.pbsenv.com
 4412¹/₂ SW Corbett Ave
 Portland, OR 97239
 503 248 1939 MAIN
 503 248 0223 FAX

Engineering + Environmental

Analysis Type:
Nonviable Options:
 _____ Fungal ID
 Fungal & Particulate ID
 _____ Particulate ID
 _____ Quantitative Analysis
 (Total Count)
 _____ Qualitative Analysis
 (Relative Abundance)
Viable Options:
 _____ Complete Analysis
 _____ Genera Only _____ Stachy Only

Turnaround Time:
 _____ 6 hr RUSH*
 24 hours*
 _____ 48 hours
 _____ 3 days
 (NV Std)
 _____ 5 days
 _____ Viable
 (7-10 days)

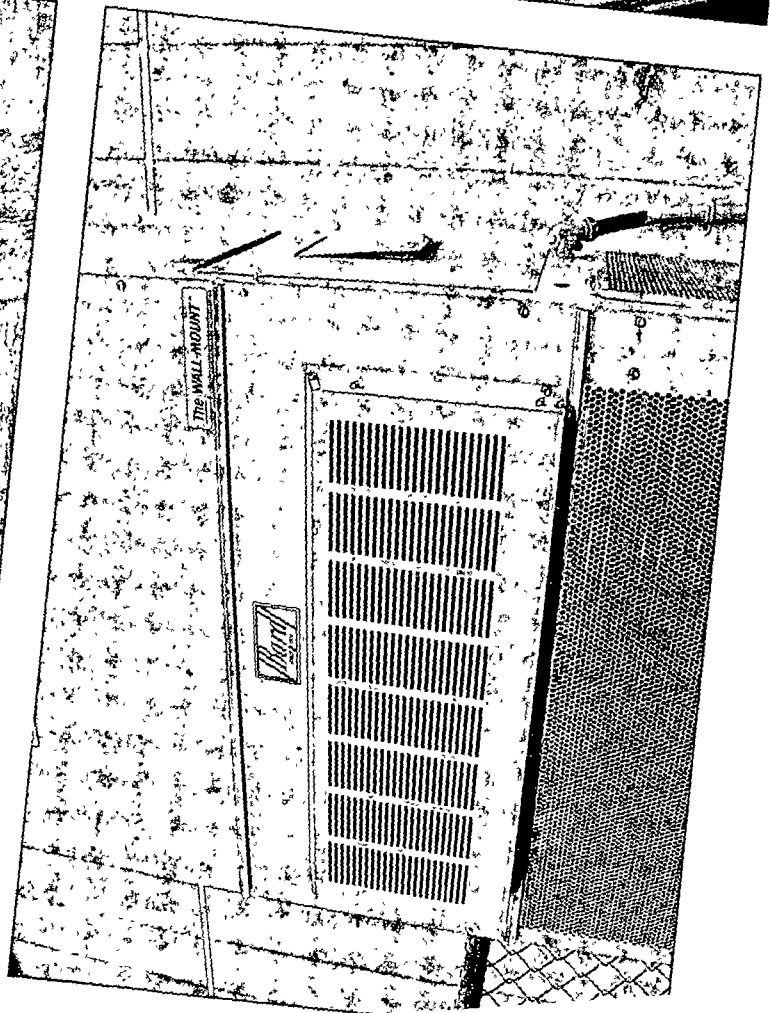
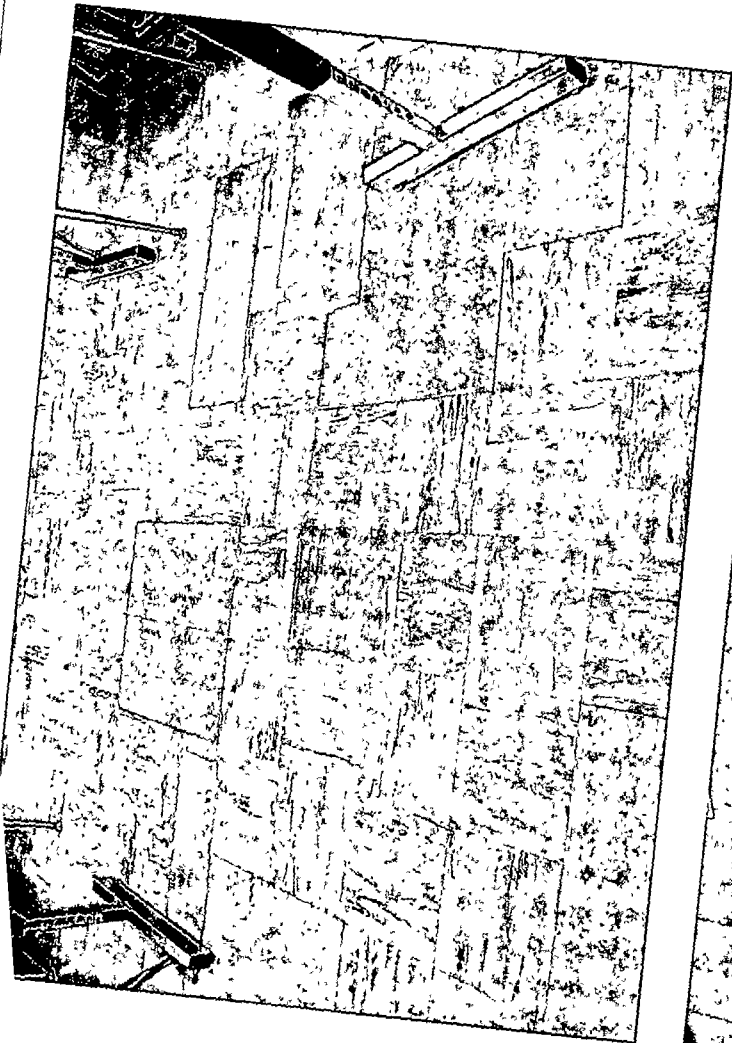
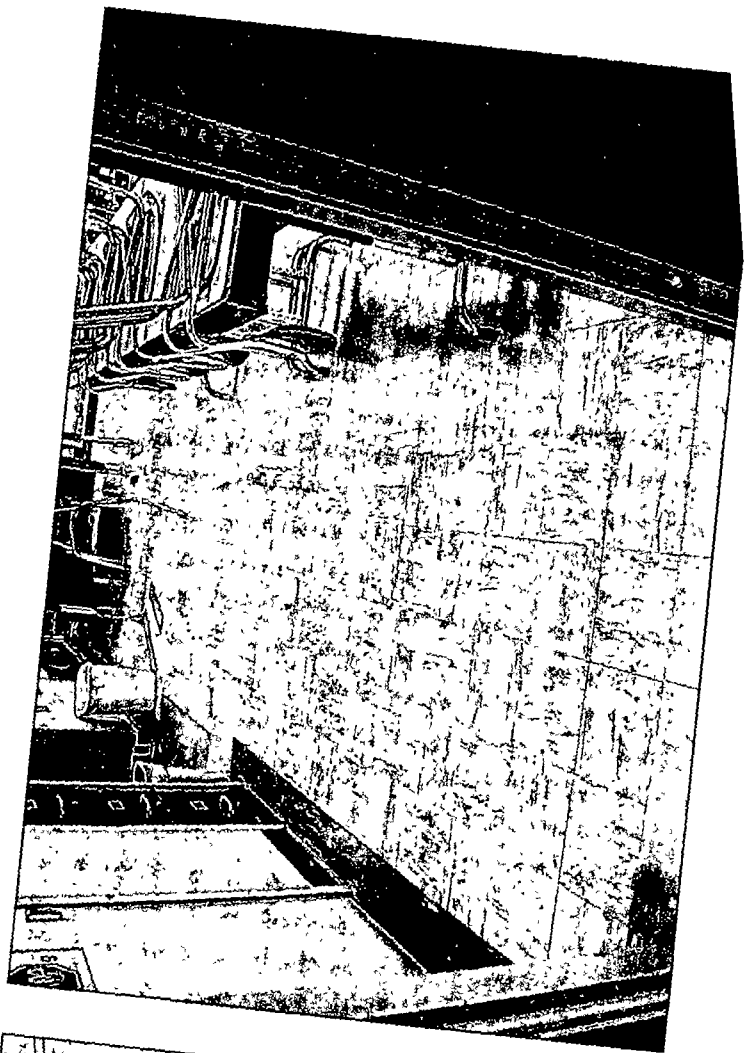
Project Name: SCOTT SCHOOL - PORTABLE B Project Number: 6500.447/0002 P.O. Number: _____

Sample #	Sample Description	Sample Information										Sampling Information								
		Sample Type					Media Type					Sample Date	Sample Time		Sample Flow Rate			Total Volume / Area		
		Air	Swab	Bulk	Dust	Tape	MEA	Stachy	Other	On	Off		Start	End	Avg					
NV	V	NV	V	NV	V	NV	V	NV	V	NV										
51 005	PORTABLE B	X																	15	75 Liters
52 006	PORTABLE A																			
53 007	ROOM 404																			
54 008	OUTDOORS																			
55 009	OUTDOORS																			

Internal Lab Use Only:
 Prelim Released: _____ Final Results Released: _____ Hardcopy/Invoice Mailed: _____
 By: Fax Phone E-mail Verbal By: Fax Phone E-mail Reviewed By: _____

By signing below you are agreeing to comply with Lab/Cor's Requests, Tenders and Contracts. * Call ahead for TATs of 24 hours or less

Relinquished by: [Signature] 11/6/12 @ 3:46pm Received by: [Signature] Date: 11/7/12 Time: 9:20 a





Harvey Scott Elementary

Oregon

John A. Kitzhaber, MD, Governor

11/16

Department of Consumer and Business Services
Oregon Occupational Safety & Health Division (OR-OSHA)

October 29, 2012

Multnomah County School District #1
501 N Dixon
Portland OR 97208

Re: Complaint No: 208934075

On October 24, 2012, the Oregon Occupational Safety and Health Division (OR-OSHA) received notice of safety and/or health hazard(s) at Harvey Scott Elementary School, 6700 NE Prescott Street, Portland, Oregon. The specific nature of the alleged hazard(s) is as follows:

Mold in the air in the english 2nd language portable classroom.

It has not been determined whether the alleged hazard(s) exist at your worksite. No inspection is planned at this time, however we request that you investigate the alleged hazards and make corrections or modifications. **Please respond in writing the results of your investigation, no later than ten (10) working days from receipt of this letter**, indicating appropriate actions taken, corrections made, or that no hazard existed. Please provide supporting documentation, such as applicable measurements, monitoring results, photographs, etc., which you believe would be helpful. We encourage employee participation in investigating and responding to the alleged hazards. It is OR-OSHA's goal to assure hazards are promptly identified and eliminated. **If we do not receive a response an inspection will likely be conducted.**

If you have any questions concerning this matter, please contact me at (503)229-5910 or FAX (971)673-2901. Your personal support and interest in the safety and health of your employees is appreciated.

Penny Wolf-McCormick

Penny Wolf-McCormick
Health Enforcement Manager/Industrial Hygienist
OR-OSHA Portland Field Office
1750 NW Naito Parkway Suite 112
Portland OR 97209-2533
(503) 229-5910

208934075-plc

cc: Central Files
Field Office Files



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7011 2970 0004 3815 4190

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Postage	\$
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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$


Postmark
Here

Sent To Multnomah County
 Street, Apt. No. or PO Box No.
 City, State, ZIP+4
 PS Form 3800, August 2006. See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Multnomah County



H:03A

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Bluyelluquiza Addressee
 B. Received by (Printed Name) Bach Teyet # Naga C. Date of Delivery
 D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below No

RECEIVED

3. Service Type NOV 02 2011
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured OSHA
Portland Office
 4. Restricted Delivery? (Extra Fee) Yes

2. Article Number (Transfer from service label) 7011 2970 0004 3815 4190