

October 4, 2012

Karen Weeks, Principal
Lakeview Union School
189 Lauredon Ave.
Greensboro, Vermont 05841

RE: Lakeview Union School Lower Campus – Greensboro, Vermont
Indoor Air Quality and Dust Sampling

Dear Ms. Weeks,

The following are results from indoor air quality and dust samples collected on October 2, 2012 at the Greensboro Town Hall also known as the Lower Campus of Lakeview Union School in Greensboro, Vermont.

Lead in Dust Sampling

Lead dust wipe sampling was conducted and analyzed through flame atomic absorption to determine if high concentration of lead were present in dust found in the classroom areas occupied by Lakeview Union School. No standard for lead exist for schools therefore results are compared against the standards used by the EPA and HUD for subsidized housing and pre-K child-care facilities. These standards are explained in the following table

Surface	Dust lead level ($\mu\text{g}/\text{ft}^2$) (as determined by wipe sampling only)
Floors	40 $\mu\text{g}/\text{ft}^2$
Interior window sills	250 $\mu\text{g}/\text{ft}^2$

The lead concentrations found in the dust samples were all below the EPA and HUD standard. See attached lab sheet for results.

PM-10 Particulate Sampling

Air testing was conducted to determine the total concentration of airborne particulates up to 10 microns in size utilizing a DUSTTRAK 8520. This provides instantaneous results on an LCD display. The table on the following page summarizes total airborne particulate sampling results in comparison with Vermont Occupational Safety and Health (VOSHA) Standards. These standards recommend that total PM-10 concentrations remain below 5 $\mu\text{g}/\text{m}^3$. All concentrations of airborne particulates were well below the VOSHA permissible exposure limit (PEL).

Location	PM-10 ($\mu\text{g}/\text{m}^3$)	VOSHA PEL
5 th /6 th grade classroom, south side	0.006	5 $\mu\text{g}/\text{m}^3$
5 th /6 th grade classroom, north side	0.005	5 $\mu\text{g}/\text{m}^3$
4 th /5 th grade classroom, north side	0.010	5 $\mu\text{g}/\text{m}^3$
4 th /5 th grade classroom, south side	0.012	5 $\mu\text{g}/\text{m}^3$
Art/music classroom, east side	0.005	5 $\mu\text{g}/\text{m}^3$
Art/music classroom, west side	0.003	5 $\mu\text{g}/\text{m}^3$
Boys bathroom	0.016	5 $\mu\text{g}/\text{m}^3$
Girls bathroom	0.017	5 $\mu\text{g}/\text{m}^3$

Based on visual observations and analytical results of the collected air samples and lead wipe samples, the clean-up has been performed successfully and the area is safe to re-occupy.

Please do not hesitate to call with any questions – 802-888-1936.

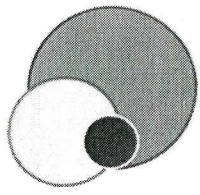
Signed,



Thomas Hurd, Asbestos & Lead Inspector
Crothers Environmental Group, LLC

cc:  CEG888292

enclosures: Laboratory Analytical Sheets
Lead Inspector Licenses



September 17, 2012

Karen Weeks, Principal
Lakeview Union School
189 Lauredon Ave.
Greensboro, Vermont 05841

RE: Lakeview Union School Lower Campus – Greensboro, Vermont
Indoor Air Quality and Dust Sampling

Dear Ms. Weeks,

The following are results from indoor air quality and dust samples collected on September 12, 2012 at the Greensboro Town Hall also known as Lower Campus of Lakeview Union School in Greensboro, Vermont.

Asbestos in Dust Sampling

Qualitative dust samples were taken throughout the area utilized by Lakeview Union School. A high volume air pump was used to suck up visible dust into a 25mm MCE cassette and analyzed by Polarized Light Microscopy (PLM). **No Asbestos was found in the dust samples collected.** See attached lab sheet for results.

Lead in Dust Sampling

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Location	PM-10 ($\mu\text{g}/\text{m}^3$)	VOSHA PEL
5 th /6 th grade classroom, east side	0.006	5 $\mu\text{g}/\text{m}^3$
5 th /6 th grade classroom, west side	0.008	5 $\mu\text{g}/\text{m}^3$
4 th /5 th grade classroom, east side	0.009	5 $\mu\text{g}/\text{m}^3$
4 th /5 th grade classroom, west side	0.005	5 $\mu\text{g}/\text{m}^3$
Art/music classroom, north side	0.009	5 $\mu\text{g}/\text{m}^3$
Art/music classroom, south side	0.008	5 $\mu\text{g}/\text{m}^3$
Boys bathroom	0.007	5 $\mu\text{g}/\text{m}^3$
Girls bathroom	0.008	5 $\mu\text{g}/\text{m}^3$

Please do not hesitate to call with any questions – 802-888-1936.

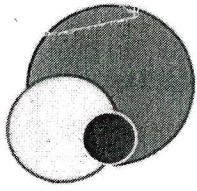
Signed,



Thomas Hurd, Asbestos & Lead Inspector
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Signed,



Thomas Hurd, Asbestos & Lead Inspector
Crothers Environmental Group, LLC

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Asbestos & Lead Inspector Licenses



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
<http://www.emsl.com> cinnaslab@EMSL.com

EMSL Order: 041224117
CustomerID: CROT30
CustomerPO:
ProjectID:

Attn: **Chris Crothers**
Crothers Environmental Group
29 Duncan Road
Morrisville, VT 05661

Phone: (802) 888-1936
Fax:
Received: 09/13/12 9:15 AM
Analysis Date: 9/13/2012
Collected: 9/12/2012


Project: 88292 Lakeview School-Greensboro, VT Town Hall Classrooms

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

Sample	Description	Appearance	Result	Notes
888292-D1 041224117-0001	5th/ 6th grade classroom, SE window sill		None Detected	
888292-D2 041224117-0002	5th/ 6th grade classroom, W window sill		None Detected	
888292-D3 041224117-0003	4th/ 5th grade classroom, N side window sill		None Detected	
888292-D4 041224117-0004	4th/ 5th grade classroom, E side window sill		None Detected	
888292-D5 041224117-0005	Art/ music classroom, SW window sill		None Detected	
888292-D6 041224117-0006	Art/ music classroom, NE window sill		None Detected	
888292-D7 041224117-0007	Main hallway floor, center		None Detected	

CERT.- PB052645

Analyst(s)
Wayne Froehlich (7)


Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to the cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10672

initial report from 09/13/2012 16:52:39

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 786-5974
<http://www.emsl.com> cinnaminsonleadlab@emsl.com

EMSL Order: 201209205
 CustomerID: CROT30
 CustomerPO:
 ProjectID:

Attn: **Chris Crothers**
Crothers Environmental Group
29 Duncan Road
Morrisville, VT 05661

Phone: (802) 888-1936
 Fax:
 Received: 09/13/12 9:25 AM
 Collected: 9/12/2012

Project: 888292 Lakeview School- Greensboro, VT

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
L1 Site: 5th/6th Grade, NW Window Sill	0001	9/12/2012	9/13/2012	144 in ²	130 µg/ft ²
L2 Site: 5th/6th Grade, SE Window Sill	0002	9/12/2012	9/13/2012	144 in ²	31 µg/ft ²
L3 Site: 4th/5th Grade, SE Window Sill	0003	9/12/2012	9/13/2012	144 in ²	210 µg/ft ²
L4 Site: 4th/5th Grade, N. Side Floor	0004	9/12/2012	9/13/2012	144 in ²	<10 µg/ft ²
L5 Site: Art Room, W. Side Window Sill	0005	9/12/2012	9/13/2012	144 in ²	14 µg/ft ²

Julie Smith - Laboratory Director
 NJ-NELAP Accredited: 04653
 or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft² x area sampled in ft². Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAP unless otherwise noted. * slight modifications to methods applied. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10896, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 09/14/2012 12:24:27