



Applied Environmental Sciences, Inc.

8441 Wayzata Blvd. - Suite 103 - Minneapolis, MN 55426

CLIENT: Hennepin County – Department of Environmental Services

PROJECT: PCB Caulk Sampling at 11651 Douglas Drive

DATE OF REPORT: 3/22/2010

SAMPLES TAKEN: 3/4/2010

AES PROJECT NUMBER: F10-015

Applied Environmental Sciences, Inc. (AES) was retained by Hennepin County to perform bulk sampling of potential PCB containing caulk at the house located at 11651 Douglas Drive in Champlin, Minnesota. AES previously conducted a pre-demolition inspection of the house. After this inspection was conducted, the Minnesota Pollution Control Agency (MPCA) issued a letter dated February 2010 that stated that caulk on buildings built prior to 1979 must be sampled or assumed to contain PCBs. Mark Meier, a licensed Asbestos Building Inspector, conducted the sampling on 3/4/2010. Two (2) caulk samples were taken and analyzed. Both PCB caulk samples tested below the Environmental Protection Agency's (EPA's) limit of 50 ppm as a PCB bulk product waste.

<i>BULK SAMPLE</i>	<i>LOCATION</i>	<i>MATERIAL</i>	<i>RESULT</i>
1	Basement furnace room window	Black window caulk	<0.98 ppm (Below Detectable Limit)
2	Exterior near AC unit	Gray siding caulk	<0.54 ppm (Below Detectable Limit)

The white furnace material that AES called a caulk during the pre-demolition inspection was determined to be a putty/packing during the PCB sampling visit and therefore was not sampled for PCBs.

Sample analysis for this project was conducted by EMSL in Westmont, NJ. The samples were analyzed according to EPA Method 3540C/8082. A copy of the lab report has been attached.

If reproduced, this report must be copied in its entirety.

AES PROJECT SUPERVISOR

Mark Meier
Asbestos Building Inspector #AI-3893

Applied Environmental Sciences is one of the oldest and most experienced indoor environmental services' companies in Minnesota. We offer a broad range of consulting and laboratory services including asbestos surveys and management, ergonomic programs, indoor air quality analysis, OSHA compliance, safety management, hazardous waste management, lead risk assessments, industrial hygiene surveys and training programs.

EMSL Analytical, Inc.

<http://www.emsl.com>

3 Cooper St.
Westmont, NJ 08108
Phone: (856) 858-4800
Fax: (856) 858-4571

Attn: **Lloyd Johnson**
AES-Applied Environmental Sciences, Inc.
8441 Wayzata Blvd
Suite 103
Minneapolis, MN 55426

3/19/2010

Phone:
Fax: (763) 545-7883

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 3/8/2010. The results are tabulated on the attached data pages for the following client designated project:

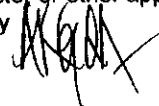
F10-015

The reference number for these samples is EMSL Order #011000886. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 858-4800.

Reviewed and Approved By:



Julie Smith - Laboratory Director or other approved signatory



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NJ-NELAP Accredited: 04653

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



EMSL Analytical, Inc.
3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com



SM

Attn: **Lloyd Johnson**
AES-Applied Environmental Sciences, Inc.
8441 Wayzata Blvd
Suite 103
Minneapolis, MN 55426

Customer ID: APPL66
Customer PO:
Received: 03/08/10 11:00 AM
EMSL Order: 011000886

Fax: (763) 545-7883 () Pho-ne:
Project: F10-015

Analytical Results

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>		
1		3/4/2010		0001		
		3:00:00 PM				
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Analyst</i>
3541/8082	Aroclor-1016	<0.98	0.98	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1221	<0.98	0.98	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1232	<0.98	0.98	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1242	<0.98	0.98	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1248	<0.98	0.98	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1254	<0.98	0.98	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1260	<0.98	0.98	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1262	<0.98	0.98	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1268	<0.98	0.98	mg/Kg	3/18/2010	tlindsay

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>		
2		3/4/2010		0002		
		3:00:00 PM				
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Analyst</i>
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3541/8082	Aroclor-1262	<0.54	0.54	mg/Kg	3/18/2010	tlindsay
3541/8082	Aroclor-1268	<0.54	0.54	mg/Kg	3/18/2010	tlindsay



Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

011000886

Westmont, NJ
107 Haddon Avenue
Westmont, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Company: Applied Environmental Sciences, Inc. EMSL-Bill to: Same Different
 Street: 8441 Wayzata Blvd. Suite 103 If Bill to is Different note instructions in Comments**
 City/State/Zip: Minneapolis, MN 55426 Third Party Billing requires written authorization from third party
 Report To (Name): Lloyd Johnson Fax: 763-545-7883
 Telephone: 763-545-5510 Email Address: lab@aesmn.com
 Project Name/Number: F10-015

Please Provide Results: Email Purchase Order: State Samples Taken: MN

Standard Turnaround Time: ~~2~~ Weeks The following TAT's are subject to lab approval: 1 Week 4 Days 3 Days 2 Days 1 Day

Client Sample ID	Comp	Grab	Date/Time	Matrix	Preservative	List Test(s) Needed										Comments			
				W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other														
1			3/1/10 3:01	O	-														4.0 g
2			3/1/10 3:01	O	-														1.6

Released By (Signature)	Date & Time	Received By	Date & Time
<i>[Signature]</i>	3/5/10 12:00	<i>[Signature]</i>	3/8/10 11:00 AM

Please indicate reporting requirements: Results Only Results and QC Reduced Deliverables Disk Deliverable Other

Comments/Special Instructions: *No Certib. Needed 3/8 -*

2010 MAR - 9 AM 9:40
 WESTMONT, NJ