

M. A. CECIL & ASSOCIATES, INC.

4475 SHANNON WAY, PORT REPUBLIC, MARYLAND 20676 (301) 855-7710

June 17, 2010

INDUSTRIAL HYGIENE AND ENVIRONMENTAL HEALTH

Ms. Lynn Zarate
Montgomery County Public Schools
16651 Crabbs Branch Way
Rockville, Maryland 20855

Re: Lead Based-Paint Assessment – Poolesville High School

Dear Ms. Zarate:

On June 4, 2010, M. A. Cecil and Associates, Inc., conducted a lead-based paint assessment at Poolesville High School. The scope of the lead-based paint (LBP) inspection included accessible interior and exterior surfaces of the building. The school is scheduled for demolition.

Non-destructive sampling methods were utilized. The lead based paint (LBP) inspection was conducted with a RMD x-ray fluorescence (XRF) analyzer. This instrument uses gamma radiation from a Cobalt-57 radioisotope source to determine the concentration of lead in surfaces analyzed. Generally, the testing was conducted in accordance with the Department of Housing and Urban Development (HUD), Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. Paint with a lead concentration equal to or greater than 1.0 mg/cm² is considered lead-based paint. Multiple tests were conducted on each test combination (painted surface).

Generally, the classrooms and hallways were constructed with the same materials including white block walls, drywall and metal door jams. Each classroom was inspected and painted surfaces evaluated. The attached table contains a representative summary of the XRF results (classrooms). Lead base paint was not detected indoors or on exterior painted surfaces. The sampling results are summarized in the attached table.

Please note that in many of the hallways, classrooms, and in the original gym, tan, glazed brick/block was used for wall construction. The XRF evaluation indicates that the block glazing, more than likely, contains lead.

Should you have any questions concerning this matter please do not hesitate to contact this office at (703) 721-0400 or (301) 855-7710.

Sincerely,

me
Kim Fowler
Industrial Hygienist

Michael A. Cecil
Michael A. Cecil, CIH

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**Table 1
XRF Results
Pooleville High School
June 4, 2010**

Location	Description	Lead Based Paint	Reading	Condition
Class room 26	off-white block wall	Negative	(-)0.1	Good
		Negative	0.0	Good
		Negative	(-)0.0	Good
	off-white brick	Negative	0.0	Good
		Negative	0.0	Good
		Negative	(-)0.0	Good
	Brown door jams	Negative	0.2	Good
		Negative	(-)0.1	Good
		Negative	0.0	Good
	Off-white drywall	Negative	0.2	Good
		Negative	0.1	Good
		Negative	0.1	Good
	Black door jam	Negative	0.2	Good
		Negative	0.1	Good
		Negative	0.1	Good
White block wall	Negative	0.1	Good	
	Negative	0.1	Good	
	Negative	(-)0.0	Good	
Hallways	Black lockers	Negative	0.0	Good
		Negative	0.1	Good
		Negative	0.0	Good
	Tan brick	Positive	2.1	Good
		Positive	2.4	Good
		Positive	2.4	Good
	White block walls	Negative	0.3	Good
		Negative	0.2	Good
		Negative	0.3	Good
	White drywall	Negative	0.3	Good
		Negative	0.2	Good
		Negative	0.3	Good
Tan Brick (2 nd trial)	Positive	3.1	Good	
	Positive	2.1	Good	
	Positive	2.4	Good	
Building Services Office	Orange lockers	Negative	0.6	Good
		Negative	0.3	Good
		Negative	0.2	Good
	Black door/door jams	Negative	0.2	Good
		Negative	0.1	Good
		Negative	0.0	Good
	White block wall	Negative	(-)0.0	Good
		Negative	0.2	Good
		Negative	0.1	Good

Table 1(continued)
XRF Results
Poolesville High School
June 4, 2010

Location	Description	Lead Based Paint	Reading	Condition
Class room 24	Brown door jams	Inc	--	some chipping
		Inc	--	some chipping
		Inc	--	some chipping
	White block wall	Negative	(-)0.1	Good
		Negative	0.0	Good
		Negative	0.2	Good
White drywall	Negative	0.2	Good	
	Negative	(-)0.2	Good	
	Negative	0.0	Good	
Gym (new)	White block wall	Negative	0.1	Good
		Negative	0.0	Good
		Negative	0.3	Good
	Black door/door jam	Negative	0.0	Good
		Negative	0.1	Good
		Negative	0.0	Good
Exterior door adjacent to Classroom 20	Black door/door jams	Negative	0.3	Good
		Negative	0.5	Good
		Negative	0.3	Good
Main office	White block wall	Negative	0.1	Good
		Negative	0.0	Good
		Negative	0.1	Good
	Black door jams	Negative	0.0	Good
		Negative	0.1	Good
		Negative	0.1	Good
	White drywall	Negative	(-)0.2	Good
		Negative	(-)0.0	Good
		Negative	(-)0.1	Good
	Black window frames	Negative	0.0	Good
		Negative	0.0	Good
		Negative	0.1	Good
Restrooms adjacent to Guidance Counselor's office	Black door/door jams	Negative	0.0	Good
		Negative	0.1	Good
		Negative	(-)0.0	Good
	Tan brick (trial 3)	Positive	6.3	Good
		Positive	5.1	Good
		Positive	4.2	Good
	Green floor tiles	Negative	0.1	Good
		Negative	0.0	Good
Negative		0.1	Good	

Table 1(continued)
XRF Results
Pooleville High School
June 4, 2010

Location	Description	Lead Based Paint	Reading	Condition
Junior High Gym (original)	Tan brick (trial 4)	Positive	3.2	Good
		Positive	2.4	Good
		Positive	4.1	Good
	White block wall	Negative	0.1	Good
		Negative	0.1	Good
		Negative	(-)0.0	Good
	Black door/door jams	Negative	0.1	Good
Negative		0.0	Good	
Negative		0.3	Good	
Exterior doors adjacent to classroom 8	Black door/door jams	Negative	(-)0.2	Good
		Negative	(-)0.1	Good
		Negative	0.2	Good
Class room 8	White block wall	Negative	0.1	Good
		Negative	0.0	Good
		Negative	0.1	Good
	White drywall	Negative	(-)0.0	Good
		Negative	0.3	Good
		Negative	(-)0.0	Good
	Brown door jam	Negative	0.1	Good
		Negative	0.0	Good
		Negative	0.1	Good
	Blue base tile around perimeter	Negative	0.3	Good
		Negative	0.1	Good
Negative		0.0	Good	
Security Office	White block wall	Negative	0.0	Good
		Negative	0.1	Good
		Negative	(-)0.1	Good
	Black door/door jam	Negative	0.2	Good
		Negative	0.3	Good
		Negative	0.1	Good
Restrooms across from Career Center	Tan brick (trial 5)	Positive	3.4	Good
		Positive	4.1	Good
		Positive	2.7	Good
Cafeteria	Tan brick (trial 6)	Positive	3.2	Good
		Positive	3.2	Good
		Positive	2.4	Good
	White block wall	Negative	0.2	Good
		Negative	(-)0.0	Good
		Negative	(-)0.1	Good

**Table 1(continued)
XRF Results
Pooleville High School
June 4, 2010**

Location	Description	Lead Based Paint	Reading	Condition
Class room 35	White brick	Negative	(-)0.2	Good
		Negative	0.1	Good
		Negative	0.2	Good
	White block wall	Negative	(-)0.1	Good
		Negative	0.0	Good
		Negative	0.0	Good
	White drywall	Negative	0.3	Good
		Negative	0.3	Good
		Negative	0.2	Good
	Black door jam	Negative	0.0	Good
Negative		(-)0.0	Good	
Negative		0.1	Good	
Class room 37	White block wall	Negative	0.1	Good
		Negative	0.1	Good
		Negative	(-)0.1	Good
	Gray door jam	Negative	(-)0.1	Good
		Negative	0.1	Good
		Negative	0.0	Good
Class room 36	White block wall	Negative	0.0	Good
		Negative	0.1	Good
		Negative	(-)0.1	Good
	Blue block wall	Negative	0.0	Good
		Negative	0.1	Good
		Negative	(-)0.0	Good
	Grey door jam/window frame	Negative	(-)0.2	Good
		Negative	0.0	Good
Negative		0.1	Good	
Class room 42	White block wall	Negative	0.0	Good
		Negative	0.1	Good
		Negative	(-)0.1	Good
	Grey door jam	Negative	0.0	Good
		Negative	0.1	Good
		Negative	0.2	Good
IMC	White block wall	Negative	(-)0.0	Good
		Negative	(-)0.1	Good
		Negative	(-)0.1	Good
	Grey door jams	Negative	0.4	Good
		Negative	0.2	Good
		Negative	0.0	Good
Restrooms adjacent to IMC	Tan ceramic wall tile	Negative	(-)0.1	Good
		Negative	0.0	Good
		Negative	0.1	Good
Art Room	Red door jams/window frames	Negative	0.0	Good
		Negative	0.1	Good
		Negative	(-)0.1	Good

**Table 1(continued)
XRF Results
Pooleville High School
June 4, 2010**

Location	Description	Lead Based Paint	Reading	Condition
Staff Rest Rooms	Orange ceramic wall tile	Negative	0.0	Good
		Negative	0.1	Good
		Negative	(-)0.2	Good
Physical Education hallway	Tan brick (trial 7)	Positive	4.4	Good
		Positive	2.5	Good
		Positive	2.9	Good
Boy's Locker Room	Tan brick (trial 8)	Positive	3.3	Good
		Positive	5.2	Good
		Positive	2.4	Good
	Blue block wall	Negative	0.1	Good
		Negative	(-)0.1	Good
		Negative	0.0	Good
Girl's Locker Room	Tan brick (trial 9)	Positive	3.2	Good
		Positive	3.6	Good
		Positive	2.4	Good
	Blue/Gray block wall	Negative	(-)0.1	Good
		Negative	0.0	Good
		Negative	0.2	Good
Career Center	Grey stairs	Negative	0.0	Good
		Negative	0.1	Good
		Negative	0.1	Good
Boiler Room	Blue brick	Negative	0.3	Good
		Negative	0.4	Good
		Negative	0.2	Good
	Blue block wall	Negative	(-)0.0	Good
		Negative	0.1	Good
		Negative	0.1	Good
	Grey floor	Negative	0.2	Good
		Negative	0.3	Good
		Negative	0.1	Good
	Grey steps	Negative	0.3	Good
		Negative	0.2	Good
		Negative	0.1	Good
Main entrance	Brown doors/door jam	Negative	0.2	Good
		Negative	0.1	Good
		Negative	(-)0.1	Good
Roof of old Gym	Brown painted window frames	Negative	0.3	Chipped
		Negative	0.1	Chipped
		Negative	0.4	Chipped