

APPENDIX A

ASBESTOS

**Laboratory Analysis
Certifications**

ASBESTOS RESULTS OF LABORATORY ANALYSIS

H.A.	SAMPLE	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS	NESHAP CATEGORY	RECOMMENDATIONS & COMMENTS
W1	1 - 3	Tan Stucco, Exterior	Gym, North, Wall East Walls, North Wall Exterior Rm.	ND		
MS1	4	Green/Tan Caulk, Exterior	Gym, Exterior Rm., Northwest Wall, West Door	ND		
W2	5	Green/Tan Surface/Sheet Stucco	Gym, West Wall at Mural Wall	ND		
MS3	6	Turquoise Fire Door Caulk, Double Leaf	Wong Area, East Entry Wall, Entry	ND		
MS4	7	Tackboard, Gray	Wong Area, East Wall	ND		
MS5	8	4" Tan Baseboard (olive) w/Black Mastic	Fraga Locker, South Wall	ND		
F1	9	1'x1' Olive Ceramic Floor Tile & Grout	Shower Area, South Wall	3% Grout	Category II, Non-friable	O&M Remove, See Recommendations
W3	10 - 11	Yellow Plaster/Gray Etc.	Seat Area, East Wall & East Wall	ND		
W4	12	Exterior Yellow Stucco	North Wall	ND		
MS6	13	Caulk (gray) at Window Exterior	Wong, North Wall	10%	Category II, Non-friable	O&M Remove, See Recommendations
MS7	14	Glazing, Window, Exterior Gray	Wong, North Wall	3%	Category II, Non-friable	O&M Remove, See Recommendations
W5	15 - 17	Interior Wall, Plaster, Blue, etc.	Gym, North, West & South Walls	ND		
W6	18 - 19	Tan Stucco, Smooth	Bldg. C, West & North Walls	ND		
MS8	20	Gray Glazing	Bldg. C, North Wall	<1%		See Recommendations, OSHA <1%
MS9	21	Tan Caulk	Bldg. C, North Wall	ND		
MS10	22	Gray Glaze	Bldg. B, North Wall	ND		
MS11	23	Tan Caulk	Bldg. B, North Wall	ND		
W7	24	Tan, Rough, Top Stucco	Bldg. B, North Wall	ND		
W8	25	Rough Stucco, Tan Bottom	Bldg. B, North Wall	ND		
ME1	26 - 27	6" Chilled Water Black Neoprene TSI over PVC	Bldg. C, North Wall	ND		
W9	28 - 29	Rough Tan Stucco	Bldg. B, East Wall; Breezeway, South Wall	ND		
W10	30	Tan Stucco, Smoother	Bldg. A, West Wall	ND		
W11	31 - 32	Tan Stucco	Bldg. A, East & South Walls	ND		
B-1	A	12"x12" Vinyl Floor Tile (aqua w/blue streaks, newer) w/Adhesive	Rm. 100, Center Square	ND		
B-2	A	12"x12" Vinyl Floor Tile (lt. blue w/streaks, newer) w/Adhesive	Rm. 100	ND		

ASBESTOS RESULTS OF LABORATORY ANALYSIS

H.A.	SAMPLE	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS	NESHAP CATEGORY	RECOMMENDATIONS & COMMENTS
B-3	A	12"x12" Vinyl Floor Tile (dk. blue w/streaks, newer) w/Adhesive	Rear corner by Bathroom	ND		
B-4	A	12"x12" Vinyl Floor Tile (lt. beige w/brown streaks, newer) w/Adhesive	Behind Stairs by Breezeway Exit, across from Rm. 102	ND		
	B		Underneath Floor Tile in Hallway between Rms. 109 & 121			
B-5	A	12"x12" Vinyl Floor Tile (mustard gold w/white & brown streaks, newer) w/Adhesive	Hallway outside of Rm. 102 by North Exit to United St.	ND		
	B		End of Hallway by Rm. 106			
B-6	A	12"x12" Vinyl Floor Tile (lt. gray w/white & dk. gray streaks, newer) w/Adhesive (lt. yellow)	In front of Water Fountain by Rm. 103	ND		
	B		Classroom 100 (under B-2A)			
B-7	A	12"x12" Vinyl Floor Tile (dk. beige w/rust & white streaks, older) w/Mastic	Cellulose layer underneath Rm. 107, Bldg. B	ND		
	B					
B-8	A	12"x12" Vinyl Floor Tile (peach/ brown w/brown & beige streaks, newer)	Custodial Rm. 120	ND		
B-9	A	12"x12" Vinyl Floor Tile (lt. blue/ green w/streaks) w/Mastic (lt. brown) (replacement tile)	Rm. 119E	ND		
B-10	A	Sheet Vinyl Flooring (brown/ beige mosaic pebble design)	Auditorium, by Entrance from Hallway	65% Fibrous Backing; 5% Floor Tile; 5% Black Mastic	Category I, Non-friable	O&M Remove, See Recommendations
	B		By Stage/Stairs adjacent to North Exit			
B-11	A	12"x12" Vinyl Floor Tile (white w/lt. gray streaks, newer) w/Adhesive	Water Fountain Floor by Rm. 102	ND		
B-12	A	Vinyl Floor Tile (green w/streaks) w/Mastic (black) & Felt Paper over Wood Floor	Southeast corner by door of Rm. 102	5% Floor Tile	Category I, Non-friable	O&M Remove, See Recommendations

ASBESTOS RESULTS OF LABORATORY ANALYSIS

H.A.	SAMPLE	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS	NESHAP CATEGORY	RECOMMENDATIONS & COMMENTS
	A	4" Cove Base (blue) w/Adhesive	South east corner by door of Rm. 102	ND		
	B	4" Cove Base (black) w/Adhesive	Bathroom, Rm. 100A in Classroom 100	ND		
	C	4" Cove Base (dk. brown) w/Adhesive	1st Floor Steps by Rm. 103	ND		
B-13	D	4" Cove Base (beige) w/Adhesive	Bldg. A, Rm. 200	ND		
	E	4" Cove Base (gray) w/Adhesive	Bldg. B, Rm. 106	ND		
	F	4" Cove Base (burgundy) w/Adhesive (w/blue cove base and brown adhesive underneath)	Bldg. C, Rm. 111C	ND		
B-14	A	1"x2" Ceramic Wall Tile (beige/lt. khaki)/Thin Set/Grout/Adhesive (brown)	Bathroom Wall, Rm. 100A	ND		
B-15	A	FRP Wall Panel w/Adhesive (yellow)	Bathroom Wall, Rm. 100A by Sink	ND		
B-16	A	2"x2" Ceramic Floor Tile (white)/Thin Set/Grout	Floor of Bathroom, Rm. 100A	ND		
B-17	A, B, C	Interior Window Caulk	Rm. 119F, Mr. Borzas Office; Bldg. B, Rm. 105 & Cafeteria, Rm. 135	ND		
B-18	A, B	Sink Mastic Undercoating (black)	Under Stainless Steel Kitchen Sink, Rm. 119E & Bldg. C, Rm. 113C	3%	Category I, Non-friable	O&M Remove, See Recommendations
	A	Textured Wallboard (interior wall)	Auditorium Wall, near Rm. 104	ND		
B-19	B, C, D, E	Textured Wallboard	Bldg. A, Rm. 204; Bldg. B, Rm. 109; Bldg. Rm. 209, Front Wall; Bldg. C, Kitchen, Rear Area	ND		
B-20	A, B	Cement Plaster between Lathing/Slats of Original Walls	Bldg. A, Rm. 119E & Bldg. B, outside of Rm. 105, Hallway, above Ceiling Tiles	ND		
B-21	A	Mastic (white) on Flex Duct Seams	Above Ceiling in Rm. 119E	ND		
	A	Wall Plaster (original)	Hallway outside of 1st Floor Boys' Rm., above Ceiling	ND		
B-22	B	Ceiling Plaster (original)	Rm. B-117A, Storage Rm., by Stage	ND		
	C	Ceiling Plaster	Hallway outside Rm. 105	ND		
	D, E	Wall Plaster	Bldg. B, Rm. 211, Perimeter Wall & Bldg. C, Rm. 136D	ND		
B-23	A	1"x1" Ceramic Floor Tile (lt. & dk. green)/Thin Set/Grout	Girls' Bathroom by Rm. 122A	2% Thin Set	Category II, Non-friable	O&M Remove, See Recommendations
B-24	A	6"x6" Ceramic Wall Tile (beige)/Thin Set/Grout	Boys' Bathroom, Stall nearest to Door	ND		

ASBESTOS RESULTS OF LABORATORY ANALYSIS

H.A.	SAMPLE	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS	NESHAP CATEGORY	RECOMMENDATIONS & COMMENTS
B-25	A	2'x4' Ceiling Tile (short directional w/many pinholes, newer)	Rm. 100, Office Rm. 119, Auditorium	ND		
	B	2'x4' Ceiling Tile (short directional w/many pinholes)	Bldg. B, Hallway outside Rm. 108	ND		
B-26	A	2'x4' Ceiling Tile (large & small pinholes, smooth)	Bldg. A, Rms. 119 & 199B	ND		
B-27	A, B	2'x4' Ceiling Tile (long directional w/few pinholes)	Bldg. A, Hallway by Boys' Bathroom; Bldg. B, Hallway outside of Rm. 105	ND		
B-28	A	Ceiling Tile (smooth, no holes, fiberglass tile)	Auditorium	ND		
B-29	A	1'x1' Ceiling Tile (dot design, splined)	Stage in Auditorium	ND		
	B	1'x1' Ceiling Tile (dot design, splined) w/Mastic (dk. brown)	Bldg. B, Wall of Rm. 105	ND		
B-30	A	1'x1' Ceiling Tile (slit design, splined)	Above Ceiling Tiles, 1st Floor Hallway in Boys' Rm.	ND		
B-31	A	Blown-in Fluffv Insulation	Bldg. A, Above Stage by Rm. 117A	ND		
B-32	A, B	Bathroom Caulk (around sink)	Bldg. A, Rm. 100A & Bldg. B, 1st Floor Boys' Bathroom	ND		
	C	Bathroom Caulk	Bldg. C, Girls' Rm., Rm. 134	ND		
B-33	A, B	Carpet Adhesive (yellow)	Rm. 117A, Off Stage, Bldg. A & Bldg. B, Closet, Rm. 106	ND		
B-33	C	Carpet Adhesive (yellow) (has vinyl floor tile w/black mastic under)	Bldg. C, Rm. 113C	15% Floor Tile; 10% Black Mastic	Category I, Non-friable	O&M Remove, See Recommendations
B-34	A	4"x4" Ceramic Wall Tile (white)/Thin Set/Grout	Employees' 2nd Floor Bathroom (Bldg. A), Top of Stairs	ND		
B-35	A, B, C	Drywall/Joint Compound	Ceiling of Bathroom, Rm. 100A; Dividing Wall of Rm. 203; Rm. 121 Teachers' Lounge in Bathroom (Rm. 118A)	ND		
B-36	A, B	Sink Mastic Undercoating (white) (single sink)	Bldg. A, Rm. 204 & Bldg. B, Rm. 121	ND		
B-37	A, B	9" x9" Vinyl Floor Tile (white w/black streaks) w/Mastic (black) & Felt Paper	Bldg. A, Rms. 204 & 205	10% Floor Tile	Category I, Non-friable	O&M Remove, See Recommendations

ASBESTOS RESULTS OF LABORATORY ANALYSIS

H.A.	SAMPLE	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS	NESHAP CATEGORY	RECOMMENDATIONS & COMMENTS
B-38	A	9" x 9" Vinyl Floor Tile (green w/white streaks) w/Mastic (black)	Bldg. A, Rm. 204	10% Floor Tile	Category I, Non-friable	O&M Remove, See Recommendations
	B	9" x 9" Vinyl Floor Tile (green w/white streaks) w/Mastic (black) & Felt Paper	Bldg. B, Rm. 108	10% Floor Tile; 5% Black Mastic	Category I, Non-friable	O&M Remove, See Recommendations
B-39	A, B	9" x 9" Vinyl Floor Tile (peach w/white & black streaks) w/Mastic (black) & Felt Paper	Bldg. A, Rm. 205	10% Floor Tile	Category I, Non-friable	O&M Remove, See Recommendations
			Bldg. B, Rm. 107	10% Floor Tile; 10% Floor Tile 2		
B-40	A	12" x 12" Vinyl Floor Tile (off-white w/peach & aqua streaks) w/Adhesive	Bldg. A, Rm. 212	10% Floor Tile 2	Category I, Non-friable	O&M Remove, See Recommendations
B-41	A	12" x 12" Vinyl Floor Tile (dk. green w/green streaks) w/Adhesive	Bldg. A, Rm. 212	10% Floor Tile 2	Category I, Non-friable	O&M Remove, See Recommendations
B-42	A	12" x 12" Vinyl Floor Tile (whitish-green w/streaks) w/Adhesive	Bldg. A, Rm. 212	5% Floor Tile 2; 10% Floor Tile 3	Category I, Non-friable	O&M Remove, See Recommendations
B-43	A	Thick Cellulose Flooring Material under 12" x 12" Vinyl Floor Tile & over Wood Floor	Bldg. A, Rm. 203	ND		
B-44	A, B	2' x 4' Ceiling Tile (non-directional gouges)	Bldg. B, Rm. 107; Bldg. C, Rm. 111C	ND		
B-45	A, B	2' x 4' Ceiling Tile (crow's footprint pattern)	Bldg. B, Rm. 106; Bldg. C, Rm. 110	ND		
B-46	A	2' x 4' Ceiling Tile (dots/holes)	Bldg. B, Boys' 1st Floor Bathroom	ND		
B-47	A	1' x 1' Ceiling Tile (smooth, no holes, splined, no mastic)	Bldg. B, Above Rm. 107	ND		
B-48	A, B	9" x 9" Vinyl Floor Tile (white w/black & red streaks) w/Mastic (black) & Felt Paper	Bldg. B, Rms. 107 & 215	10% Floor Tile Layers 1 & 2; 5% Black Mastic Layers	Category I, Non-friable	O&M Remove, See Recommendations

ASBESTOS RESULTS OF LABORATORY ANALYSIS

H.A.	SAMPLE	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS	NESHAP CATEGORY	RECOMMENDATIONS & COMMENTS
B-49	A, B	9"x9" Vinyl Floor Tile (white w/black & red streaks) w/Mastic (black) & Felt Paper	Bldg. B, Rm. 107	10% Floor Tile Layers 1 & 2; 5% Black Mastic Layers	Category I, Non-friable	O&M Remove, See Recommendations
B-50	A, B	9"x9" Vinyl Floor Tile (gray w/white streaks) w/Mastic (black) & Felt Paper	Bldg. B, Rm. 215	10% Floor Tile Layers 1, 2 & 3; 5% Black Mastic Layers	Category I, Non-friable	O&M Remove, See Recommendations
B-51	A	12"x12" Vinyl Floor Tile (white w/lt. blue streaks) w/Adhesive	Bldg. B, Rm. 108, by File Cabinet	15% Floor Tile; 5% Black Mastic	Category I, Non-friable	O&M Remove, See Recommendations
B-52	A	Small "W" Ceramic Floor Tile Design (gray & white)/Thin Set/Grout	Bldg. B, Rm. 121, Outside of Bathroom B-118A	15% Floor Tile; 10% Black Mastic	Category I, Non-friable	O&M Remove, See Recommendations
B-53	A	1"x1" Ceramic Wall Tile (blue & white)/Thin Set/Grout	Bldg. B, 1st Floor Boys' Bathroom	ND		
B-54	A	1"x1" Ceramic Floor Tile & Wall Tile (white)/Thin Set/Grout/Adhesive	Bldg. B, 1st Floor Boys' Bathroom, Wall by Door	ND		
B-55	A	1"x2" Ceramic Wall Tile (gray & blue)/Thin Set/Grout	Bldg. B, 1st Floor Boys' Bathroom, by Urinals	ND		
B-56	A	9"x9" Vinyl Floor Tile (aqua w/white & black streaks) w/Mastic (black) & Felt Paper	Bldg. B, Girls' 2nd Floor Bathroom, Rm. 216	10% Floor Tile; 5% Black Mastic	Category I, Non-friable	O&M Remove, See Recommendations
B-57	A, B	Fibrous Pipe Insulation	Bldg. C, Breezeway outside of Cafeteria; Hallway, above Café Doors to Rm. 136	15% Amosite	Friable	O&M Remove, See Recommendations
B-58	A	1"x1" Ceramic Wall Tile (lime green)/Thin Set/Grout	Bldg. C, Girls' Bathroom	ND		
B-59	A	12"x12" Vinyl Floor Tile (lt. burgundy w/streaks) w/Adhesive, Layer of Vinyl Floor Tile under	Bldg. C, Rm. 111C	ND		

ASBESTOS RESULTS OF LABORATORY ANALYSIS

H.A.	SAMPLE	MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS	NESHAP CATEGORY	RECOMMENDATIONS & COMMENTS
B-60	A	12"x12" Vinyl Floor Tile (bright blue w/streaks) w/Adhesive	Bldg. C, Rm. 113A	ND		
B-61	A	Mastic (white) Elbow Cover on Fiberglass Pipe Insulation	Rm. 136D, Laundry Rm.	ND		
	B	Mastic (white) Ends on Fiberglass Pipe Insulation	Rm. 136D, Laundry Rm.	ND		
B-62	A	12"x12" Vinyl Floor Tile (dk. Gray w/streaks) w/Adhesive	Cafeteria by Rm. 136E	ND		

PLM REPORT SUMMARY



Cates Laboratories
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.	Lab Job No.: PLM-03673
Project: Glynn Archer, 1302 N. White St., Key West, FL	Report Date: 7/27/2010
Project No: 6786-10-2152.02	Sample Date: 7/22/2010
Identification: Asbestos, Bulk Sample Analysis	
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	Page 1 of 3

On 7/26/2010, thirty-two (32) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering & Consulting, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165840	1	Tan Stucco, Exterior - Gym, North Wall	None Detected
CL165841	2	Tan Stucco, Exterior - Gym, East Wall	None Detected
CL165842	3	Tan Stucco, Exterior - Gym, North Wall, Exterior Room	None Detected
CL165843	4	Green/Tan Caulk, Exterior - Gym, Exterior Room, Northwest Wall, West Door	None Detected
CL165844	5	Green/Tan Surface/Sheet Stucco - Gym, West Wall at Mural Wall	None Detected
CL165845	6	Turquoise Fire Door Caulk, Double Leaf - Wong Area, East Wall, Entry	None Detected
CL165846	7	Tackboard, Gray - Wong Area, East Wall	None Detected
CL165847	8	4" Tan Baseboard (olive) w/Black Mastic - Fraga Locker, South Wall	None Detected
CL165848	9	1" X 1" Olive Ceramic Floor Tile & Grout - Shower Area, South Wall	None Detected - Ceramic Tile 3% Chrysotile - Grout
CL165849	10	Yellow Plaster / Gray Etc. - Seat Area, East Wall	None Detected
CL165850	11	Yellow Plaster / Gray Etc. - East Wall	None Detected
CL165851	12	Exterior Yellow Stucco - North Wall	None Detected
CL165852	13	Caulk (gray) at Window Exterior - Wong, North Wall	10% Chrysotile
CL165853	14	Glazing, Window, Exterior Gray - Wong, North Wall	3% Chrysotile
CL165854	15	Gym, Interior Wall, Plaster, Blue, etc. - Gym, North Wall	None Detected
CL165855	16	Gym, Interior Wall, Plaster, Blue, etc. - Gym, West Wall	None Detected
CL165856	17	Gym, Interior Wall, Plaster, Blue, etc. - Gym, South Wall	None Detected
CL165857	18	Building C, Tan Stucco, Smooth - West Wall	None Detected
CL165858	19	Building C, Tan Stucco, Smooth - North Wall	None Detected
CL165859	20	Building C, Gray Glazing - North Wall	<1% Chrysotile
CL165860	21	Building C, Tan Caulk - North Wall	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

CT

PLM REPORT SUMMARY



Cates Laboratories
 613 S. Bois D'Arc
 Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
 TDH License No. 30-0287

Client:	MACTEC Engineering & Consulting, Inc.	Lab Job No.: PLM-03673
Project:	Glynn Archer, 1302 N. White St., Key West, FL	Report Date: 7/27/2010
Project No:	6786-10-2152.02	Sample Date: 7/22/2010
Identification:	Asbestos, Bulk Sample Analysis	
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	

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On 7/26/2010, thirty-two (32) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering & Consulting, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165861	22	Building B, Gray Glaze - North Wall	None Detected
CL165862	23	Building B, Tan Caulk - North Wall	None Detected
CL165863	24	Building B, Tan, Rough, Top Stucco - North Wall	None Detected
CL165864	25	Building B, Rough Stucco, Tan Bottom - North Wall	None Detected
CL165865	26	Building C, 6" Chilled Water Black Neoprene TSI over PVC - North Wall	None Detected - Wrap None Detected - Insulation
CL165866	27	Building C, 6" Chilled Water Black Neoprene TSI over PVC - North Wall	None Detected - Wrap None Detected - Insulation
CL165867	28	Building B, Rough Tan Stucco - East Wall	None Detected
CL165868	29	Breezeway, Rough Tan Stucco - South Wall	None Detected
CL165869	30	Building A, Tan Stucco, Smoother - West Wall	None Detected
CL165870	31	Building A, Tan Stucco - East Wall	None Detected
CL165871	32	Building A, Tan Stucco - South Wall	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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PLM REPORT SUMMARY

 **Cates Laboratories**
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.
Project: Glynn Archer, 1302 N. White St., Key West, FL
Project No: 6786-10-2152.02
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-03673
Report Date: 7/27/2010
Sample Date: 7/22/2010

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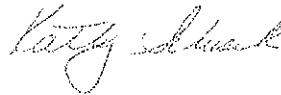
On 7/26/2010, thirty-two (32) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering & Consulting, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA, for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst: Kathy Schosek



Laboratory Director: John R. Cates, P.G.



Approved Signatory:



NVLAP LAB CODE 200569-0

PLM REPORT SUMMARY



Cates Laboratories
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.
Project: Glynn Archer, 1302 N. White St., Key West, FL
Project No: 6786-10-2152.02
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-03673
Report Date: 7/28/2010
Sample Date: 7/21-22/2010

Page 1 of 10

On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165872	B-1A	12" X 12" Vinyl Floor Tile (aqua blue w/ streaks, newer) w/ Adhesive (light yellow) - Room 100, Center Square	None Detected - Floor Tile None Detected - Yellow Mastic
CL165873	B-2A	12" X 12" Vinyl Floor Tile (light blue w/ streaks, newer) w/ Adhesive (light yellow) - Room 100	None Detected - Floor Tile None Detected - Yellow Mastic
CL165874	B-3A	12" X 12" Vinyl Floor Tile (dark blue w/ streaks, newer) w/ Adhesive - Rear Corner by Bathroom	None Detected - Floor Tile None Detected - Yellow Mastic
CL165875	B-4A	12" X 12" Vinyl Floor Tile (light beige w/ brown streaks, newer) w/ Adhesive - Behind Stairs, by Breezeway Exit, Across from Room 102	None Detected - Floor Tile None Detected - Yellow Mastic
CL165876	B-4B	12" X 12" Vinyl Floor Tile (light beige w/ brown streaks, newer) w/ Adhesive, Floor Tile underneath - Hallway Between Rooms 109 & 121	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Leveling Compound
CL165877	B-5A	12" X 12" Vinyl Floor Tile (mustard gold w/ white & brown streaks, newer) w/ Adhesive - Hallway outside of Room 102 by North Exit to United St.	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Leveling Compound
CL165878	B-5B	12" X 12" Vinyl Floor Tile (mustard gold w/ white & brown streaks, newer) w/ Adhesive - End of Hallway by Room 106	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Leveling Compound
CL165879	B-6A	12" X 12" Vinyl Floor Tile (light gray w/ white & dark gray streaks, newer) w/ Adhesive (light yellow) - In Front of Water Fountain by Room 103	None Detected - Floor Tile None Detected - Yellow Mastic
CL165880	B-7A	12" X 12" Vinyl Floor Tile (dark beige w/ rust & white streaks, older) w/ Mastic (light brown) - Classroom 100 (under B2-A)	None Detected - Floor Tile None Detected - Tan Mastic
CL165881	B-7B	12" X 12" Vinyl Floor Tile (dark beige w/ rust & white streaks, older) w/ Mastic (light brown), Cellulose layer underneath - Room 107, Building B	None Detected - Floor Tile None Detected - Mastic
CL165882	B-8A	12" X 12" Vinyl Floor Tile (peach / brown w/ brown & beige streaks, newer) - Custodial Room 120	None Detected - Floor Tile None Detected - Yellow Mastic
CL165883	B-9A	12" X 12" Vinyl Floor Tile (light blue / green w/ streaks) w/ Mastic (light brown) (replacement tile in room 119E) - Room 119E	None Detected - Floor Tile None Detected - Mastic

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY



Cates Laboratories
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client:	MACTEC Engineering & Consulting, Inc.	Lab Job No.: PLM-03673
Project:	Glynn Archer, 1302 N. White St., Key West, FL	Report Date: 7/28/2010
Project No:	6786-10-2152.02	Sample Date: 7/21-22/2010
Identification:	Asbestos, Bulk Sample Analysis	
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	

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On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165884	B-10A	Sheet Vinyl Flooring (brown / beige mosaic pebble design) - Auditorium, by Entrance from Hallway	None Detected - Sheet Flooring (top) 65% Chrysotile - Fibrous Backing 5% Chrysotile - Floor Tile 5% Chrysotile - Black Mastic
CL165885	B-10B	Sheet Vinyl Flooring (brown / beige mosaic pebble design) - By Stage / Stairs, Adjacent to North Exit	None Detected - Sheet Flooring (top) 65% Chrysotile - Fibrous Backing 5% Chrysotile - Floor Tile None Detected - Black Mastic/Felt
CL165886	B-11A	12" X 12" Vinyl Floor Tile (white w/ light gray streaks, newer) w/ Adhesive - Water Fountain Floor by Room 102	None Detected - Floor Tile None Detected - Yellow Mastic
CL165887	B-12A	Vinyl Floor Tile (green w/ streaks) w/ Mastic (black) & Felt Paper over Wood Floor - Southeast Corner (by door) of Room 102	5% Chrysotile - Floor Tile None Detected - Black Mastic None Detected - Felt
CL165888	B-40A	12" X 12" Vinyl Floor Tile (off-white w/ peach & aqua streaks) w/ Adhesive - Building A, Room 212	None Detected - Floor Tile 1 None Detected - Yellow Mastic 10% Chrysotile - Floor Tile 2 None Detected - Black Mastic/Felt
CL165889	B-41A	12" X 12" Vinyl Floor Tile (dark green w/ green streaks) w/ Adhesive - Building A, Room 212	None Detected - Floor Tile 1 None Detected - Yellow Mastic 10% Chrysotile - Floor Tile 2 None Detected - Black Mastic/Felt
CL165890	B-42A	12" X 12" Vinyl Floor Tile (white-ish green w/ streaks) w/ Adhesive - Building A, Room 212	None Detected - Floor Tile 1 None Detected - Yellow Mastic 5% Chrysotile - Floor Tile 2 None Detected - Black Mastic 10% Chrysotile - Floor Tile 3 None Detected - Black Mastic/Felt
CL165891	B-43A	Thick Cellulose Flooring Material under 12" X 12" Vinyl Floor Tile and over Wood Floor - Building A, Room 203	None Detected - Fiberboard None Detected - Black Mastic
CL165892	B-51A	12" X 12" Vinyl Floor Tile (white w/ light blue streaks) w/ Adhesive - Building B, Room 121, Outside of Bathroom B-118A	None Detected - Floor Tile None Detected - Yellow Mastic

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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PLM REPORT SUMMARY

 **Cates Laboratories**
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.
Project: Glynn Archer, 1302 N. White St., Key West, FL
Project No: 6786-10-2152.02
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-03673
Report Date: 7/28/2010
Sample Date: 7/21-22/2010

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On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165893	B-60A	12" X 12" Vinyl Floor Tile (bright blue w/ streaks) w/ Adhesive - Building C, Room 113A	None Detected - Floor Tile None Detected - Yellow Mastic
CL165894	B-59A	12" X 12" Vinyl Floor Tile (light burgundy w/ streaks) w/ Adhesive, Layer of Vinyl Floor Tile under - Building C, Room 111C	None Detected - Floor Tile 1 None Detected - Yellow Mastic None Detected - Floor Tile 2 None Detected - Yellow Mastic
CL165895	B-62A	12" X 12" Vinyl Floor Tile (dark gray w/ streaks) w/ Adhesive - Cafeteria by Room 136E	None Detected - Floor Tile None Detected - Yellow Mastic
CL165896	B-13A	4" Cove Base (blue) w/ Adhesive - Southeast Corner (by door) of Room 102	None Detected
CL165897	B-13B	4" Cove Base (black) w/ Adhesive - Bathroom, Room 100A in Classroom 100	None Detected
CL165898	B-13C	4" Cove Base (dark brown) w/ Adhesive - 1st Floor Steps by Room 103	None Detected
CL165899	B-13D	4" Cove Base (beige) w/ Adhesive - Building A, Room 200	None Detected
CL165900	B-13E	4" Cove Base (gray) w/ Adhesive - Building B, Room 106	None Detected
CL165901	B-13F	4" Cove Base (burgundy) w/ Adhesive (with blue cove base and brown adhesive underneath - Building C, Room 111C	None Detected - Cove Base 1 None Detected - Tan Mastic None Detected - Cove Base 2 None Detected - Brown Mastic
CL165902	B-33A	Carpet Adhesive (yellow) - Room 117A, Off Stage, Building A	None Detected
CL165903	B-33B	Carpet Adhesive (yellow) - Building B, Closet, Room 106	None Detected
CL165904	B-33C	Carpet Adhesive (yellow) (has vinyl floor tile w/ black mastic under) - Room 113C, Building C	None Detected - Yellow Mastic 15% Chrysotile - Floor Tile 10% Chrysotile - Black Mastic
CL165905	B-15A	FRP Wall Panel w/ Adhesive (yellow) - Bathroom Wall (Room 100A) by Sink	None Detected
CL165906	B-18A	Sink Mastic Undercoating (black) - Under Stainless Steel Kitchen Sink, Room 119E	3% Chrysotile

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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PLM REPORT SUMMARY



Cates Laboratories
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.
Project: Glynn Archer, 1302 N. White St., Key West, FL
Project No: 6786-10-2152.02
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-03673
Report Date: 7/28/2010
Sample Date: 7/21-22/2010

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On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165907	B-18B	Sink Mastic Undercoating (black) - Room 113C in Building C	3% Chrysotile
CL165908	B-36A	Sink Mastic Undercoating (white) (single sink) - Building A, Room 204	None Detected
CL165909	B-36B	Sink Mastic Undercoating (white) - Building B, Room 121	None Detected
CL165910	B-17A	Interior Window Caulk - Room 119F, Mr. Borza's Office	None Detected
CL165911	B-17B	Interior Window Caulk - Building B, Room 105	None Detected
CL165912	B-17C	Interior Window Caulk - Cafeteria, Room 135	None Detected
CL165913	B-21A	Mastic (white) on Flex Duct Seams - Above Ceiling in Room 119E	None Detected
CL165914	B-61A	Mastic (white) Elbow Cover on Fiberglass - Building C, Room 136D	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL165915	B-61B	Mastic (white) Ends on Fiberglass Pipe Insulation - Room 136D, Laundry Room	None Detected - White Mastic None Detected - Insulation
CL165916	B-32A	Bathroom Caulk (around sink) - Building 100A, Building A	None Detected
CL165917	B-32B	Bathroom Caulk (around sink) - Building B, 1st Floor Boys' Bathroom	None Detected
CL165918	B-32C	Bathroom Caulk - Building C, Girls' Room, Room 134	None Detected
CL165919	B-14A	1" X 2" Ceramic Wall Tile (beige / light khaki) / Thin Set / Grout / Adhesive (brown) - Bathroom Wall, Room 100A	None Detected - Ceramic Tile None Detected - Grout None Detected - Tan Mastic
CL165920	B-16A	2" X 2" Ceramic Floor Tile (white) / Thin Set / Grout - Floor of Bathroom, Room 100A	None Detected - Ceramic Tile None Detected - Grout None Detected - Thin Set
CL165921	B-23A	1" X 1" Ceramic Floor Tile (light & dark green) / Thin Set / Grout - Girls' Bathroom by Room 122A	None Detected - Ceramic Tile None Detected - Grout 2% Chrysotile - Thin Set
CL165922	B-24A	6" X 6" Ceramic Wall Tile (beige) / Thin Set / Grout - Boys' Bathroom, Stall nearest to Door	None Detected - Ceramic Tile None Detected - Grout None Detected - Yellow Mastic

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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PLM REPORT SUMMARY



Cates Laboratories
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client:	MACTEC Engineering & Consulting, Inc.	Lab Job No.: PLM-03673
Project:	Glynn Archer, 1302 N. White St., Key West, FL	Report Date: 7/28/2010
Project No:	6786-10-2152.02	Sample Date: 7/21-22/2010
Identification:	Asbestos, Bulk Sample Analysis	
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	

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On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165923	B-34A	4" X 4" Ceramic Wall Tile (white) / Thin Set / Grout - Employees 2nd Floor Bathroom (Building A), Top of Stairs	None Detected - Ceramic Tile None Detected - Grout None Detected - Yellow Mastic
CL165924	B-52A	Small "W" Ceramic Floor Tile Design (gray & white) / Thin Set / Grout - Building B, 1st Floor, Boys' Bathroom	None Detected - Ceramic Tile None Detected - Grout None Detected - Thin Set
CL165925	B-53A	1" X 1" Ceramic Wall Tile (blue & white) / Thin Set / Grout - Building B, 1st Floor Boys' Bathroom, Wall by Door	None Detected - Ceramic Tile None Detected - Grout None Detected - Thin Set None Detected - Yellow Mastic
CL165926	B-55A	1" X 2" Ceramic Wall Tile (gray & blue) / Thin Set / Grout - Building B, Girls' 2nd Floor Bathroom, Room 216	None Detected - Ceramic Tile None Detected - Grout None Detected - Thin Set
CL165927	B-58A	4" X 4" Ceramic Wall Tile (lime green) / Thin Set / Grout - Building C, Girls' Bathroom	None Detected - Ceramic Tile None Detected - Grout None Detected - Thin Set
CL165928	B-54A	1" X 1" Ceramic Floor Tile & Wall Tile (white) / Thin Set / Grout / Adhesive - Building B, 1st Floor Boys' Bathroom, by Urinals	None Detected - Ceramic Tile None Detected - Grout None Detected - Thin Set/Adhesive
CL165929	B-22A	Wall Plaster (original) - Hallway outside of 1st Floor Boys' Room, above Ceiling	None Detected
CL165930	B-22B	Ceiling Plaster (original - Room B-117A, Storage Room, by Stage	None Detected
CL165931	B-22C	Ceiling Plaster - Hallway outside Room 105	None Detected
CL165932	B-22D	Wall Plaster - Building B, Room 211, Perimeter Wall	None Detected
CL165933	B-22E	Wall Plaster - Room 136D, Building C	None Detected
CL165934	B-20A	Cement Plaster between Lathing / Slats of Original Walls - Building A, Room 119E	None Detected
CL165935	B-20B	Cement Plaster between Lathing / Slats of Original Walls - Building B, outside of Room 105, Hallway, above Ceiling Tiles	None Detected

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PLM REPORT SUMMARY



Cates Laboratories
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.	Lab Job No.: PLM-03673
Project: Glynn Archer, 1302 N. White St., Key West, FL	Report Date: 7/28/2010
Project No: 6786-10-2152.02	Sample Date: 7/21-22/2010
Identification: Asbestos, Bulk Sample Analysis	
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	Page 6 of 10

On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165936	B-35A	Drywall / Joint Compound - Ceiling of Bathroom, Room 100A	None Detected - Paint Texture None Detected - Joint Tape None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL165937	B-35B	Drywall / Joint Compound - Dividing Wall of Room 203	None Detected - Paint Layer None Detected - Paper None Detected - Wallboard Material
CL165938	B-35C	Drywall / Joint Compound - Room 121 Teachers' Lounge in Bathroom (Room 118A)	None Detected - Paint Texture None Detected - Joint Tape None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL165939	B-19A	Textured Wallboard (interior wall) - Auditorium Wall, Near Room 104	None Detected
CL165940	B-19B	Textured Wallboard - Building A, Room 204	None Detected
CL165941	B-19C	Textured Wallboard - Building B, Room 109	None Detected
CL165942	B-19D	Textured Wallboard - Building B, Room 209, Front Wall	None Detected
CL165943	B-19E	Textured Wallboard - Building C, Kitchen, Rear Area	None Detected
CL165944	B-37A	9" X 9" Vinyl Floor Tile (white w/ black streaks) w/ Mastic (black) & Felt Paper - Building A, Room 204	10% Chrysotile - Floor Tile None Detected - Black Mastic
CL165945	B-37B	9" X 9" Vinyl Floor Tile (white w/ black streaks) w/ Mastic (black) & Felt Paper - Building A, Room 205	10% Chrysotile - Floor Tile None Detected - Black Mastic None Detected - Felt
CL165946	B-38A	9" X 9" Vinyl Floor Tile (green w/ white streaks) w/ Mastic (black) - Building A, Room 204	10% Chrysotile - Floor Tile None Detected - Black Mastic
CL165947	B-38B	9" X 9" Vinyl Floor Tile (green w/ white streaks) w/ Mastic (black) & Felt Paper - Building B, Room 108	10% Chrysotile - Floor Tile 5% Chrysotile - Black Mastic None Detected - Felt

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PLM REPORT SUMMARY



Cates Laboratories
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.	Lab Job No.: PLM-03673
Project: Glynn Archer, 1302 N. White St., Key West, FL	Report Date: 7/28/2010
Project No: 6786-10-2152.02	Sample Date: 7/21-22/2010
Identification: Asbestos, Bulk Sample Analysis	
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	Page 7 of 10

On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165948	B-39A	9" X 9" Vinyl Floor Tile (peach w/ white & black streaks) w/ Mastic (black) & Felt Paper - Building A, Room 205	10% Chrysotile - Floor Tile None Detected - Black Mastic None Detected - Felt
CL165949	B-39B	9" X 9" Vinyl Floor Tile (peach w/ white & black streaks) w/ Mastic (black) & Felt Paper - Building B, Room 107	10% Chrysotile - Floor Tile 1 None Detected - Black Mastic 10% Chrysotile - Floor Tile 2 None Detected - Black Mastic None Detected - Felt
CL165950	B-50A	9" X 9" Vinyl Floor Tile (gray w/ white streaks) w/ Mastic (black) & Felt Paper - Room 108, by File Cabinet, Building B	15% Chrysotile - Floor Tile 5% Chrysotile - Black Mastic None Detected - Felt
CL165951	B-50B	9" X 9" Vinyl Floor Tile (gray w/ white streaks) w/ Mastic (black) & Felt Paper - Building C, Room 133	15% Chrysotile - Floor Tile 10% Chrysotile - Black Mastic
CL165952	B-49A	9" X 9" Vinyl Floor Tile (white w/ black & red streaks) w/ Mastic (black) & Felt Paper - Room 107, Building B	10% Chrysotile - Floor Tile 1 5% Chrysotile - Black Mastic 10% Chrysotile - Floor Tile 2 5% Chrysotile - Black Mastic None Detected - Felt
CL165953	B-49B	9" X 9" Vinyl Floor Tile (white w/ black & red streaks) w/ Mastic (black) & Felt Paper - Building B, Room 215	10% Chrysotile - Floor Tile 1 5% Chrysotile - Black Mastic 10% Chrysotile - Floor Tile 2 5% Chrysotile - Black Mastic 10% Chrysotile - Floor Tile 3
CL165954	B-48A	9" X 9" Vinyl Floor Tile (white w/ black & red streaks) w/ Mastic (black) & Felt Paper - Room 107, Building B	10% Chrysotile - Floor Tile 1 5% Chrysotile - Black Mastic 10% Chrysotile - Floor Tile 2 5% Chrysotile - Black Mastic None Detected - Felt
CL165955	B-48B	9" X 9" Vinyl Floor Tile (white w/ black & red streaks) w/ Mastic (black) & Felt Paper - Building B, Room 215	10% Chrysotile - Floor Tile 1 10% Chrysotile - Floor Tile 2

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) - materials that are friable or may become friable - be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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PLM REPORT SUMMARY



Gates Laboratories
613 S. Bois D'Arc
Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.	Lab Job No.: PLM-03673
Project: Glynn Archer, 1302 N. White St., Key West, FL	Report Date: 7/28/2010
Project No: 6786-10-2152.02	Sample Date: 7/21-22/2010
Identification: Asbestos, Bulk Sample Analysis	
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	

Page 8 of 10

On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165956	B-56A	9" X 9" Vinyl Floor Tile (aqua w/ white & black streaks) w/ Mastic (black) & Felt Paper - Building B, Room 207	10% Chrysotile - Floor Tile 5% Chrysotile - Black Mastic None Detected - Felt
CL165957	B-31A	Blown-in Fluffy Insulation - Above Stage by Room 117A, Building A	None Detected
CL165958	B-57A	Fibrous Pipe Insulation - Building C, Breezeway outside of Cafeteria	15% Amosite
CL165959	B-57B	Fibrous Pipe Insulation - Building C, Hallway, above Café Doors to Room 136	15% Amosite
CL165960	B-25A	2' X 4' Ceiling Tile (short directional w/ many pinholes, newer) -Room 100, Office Room 119, Auditorium	None Detected
CL165961	B-25B	2' X 4' Ceiling Tile (short directional w/ many pinholes) - Hallway, outside Room 108, Building B	None Detected
CL165962	B-26A	2' X 4' Ceiling Tile (large & small pinholes, smooth) - Building A, Room 119 & 199B	None Detected
CL165963	B-28A	Ceiling Tile (smooth, no holes, fiberglass tile) - Auditorium	None Detected
CL165964	B-27A	2' X 4' Ceiling Tile (long directional w/ few pinholes) - Hallway, by Boys' Bathroom, Building A	None Detected
CL165965	B-27B	2' X 4' Ceiling Tile (long directional w/ few pinholes) - Hallway, outside of Room 105, Building B	None Detected
CL165966	B-29A	1' X 1' Ceiling Tile (dot design, splined) - Stage in Auditorium	None Detected
CL165967	B-29B	1' X 1' Ceiling Tile (dot design, splined) w/ Mastic (dark brown) - Wall of Room 105, Building B	None Detected - Ceiling Tile None Detected - Brown Mastic
CL165968	B-30A	1' X 1' Ceiling Tile (slit design, splined) - Above Ceiling Tiles, 1st Floor Hallway by Boys' Room	None Detected
CL165969	B-44A	2' X 4' Ceiling Tile (non-directional gouges) - Building B, Room 107	None Detected
CL165970	B-44B	2' X 4' Ceiling Tile (non-directional gouges) - Building C, Room 111C	None Detected
CL165971	B-46A	2' X 4' Ceiling Tile (dots / holes) - Building B, Boys' 1st Floor Bathroom	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. GatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

CT

PLM REPORT SUMMARY



Cates Laboratories
 613 S. Bois D'Arc
 Forney, Texas 75126 (972) 564-4723

NVLAP Lab No. 200569-0
 TDH License No. 30-0287

Client: MACTEC Engineering & Consulting, Inc.
 Project: Glynn Archer, 1302 N. White St., Key West, FL
 Project No: 6786-10-2152.02
 Identification: Asbestos, Bulk Sample Analysis
 Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
 EPA Method 600/R-93/116

Lab Job No.: PLM-03673
 Report Date: 7/28/2010
 Sample Date: 7/21-22/2010

On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL165972	B-45A	2' X 4' Ceiling Tile (crow's footprint pattern) - Building B, Room 106	None Detected
CL165973	B-45B	2' X 4' Ceiling Tile (crow's footprint pattern) - Building C, Room 110	None Detected
CL165974	B-47A	1' X 1' Ceiling Tile (smooth, no holes, splined, no mastic) - Above Room 107, Building B	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) - materials that are friable or may become friable - be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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Sample Date: 7/21-22/2010

Page 10 of 10

On 7/27/2010, one-hundred three (103) bulk samples were submitted by Mr. Russ Stauffer of MACTEC Engineering for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA, for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst: John R. Cates, Kathy Schosek

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

MACTEC ENGINEERING AND CONSULTING, INC.
BRIAN DUCHENE
1105 SANCTUARY PKWY STE 300
ALPHARETTA GA 30004

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STATE OF FLORIDA AC# 4730387
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ZA0000116 11/20/09 090234356

ASBESTOS BUSINESS ORGANIZATION
MACTEC ENGINEERING AND CONSULTIN
BRIAN DUCHENE

IS LICENSED under the provisions of Ch.469 FS.
Expiration date: NOV 30, 2011 L09112001337

DETACH HERE

AC# 4730387

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

SEQ# L09112001337

Table with 3 columns: DATE, BATCH NUMBER, LICENSE NBR. Row 1: 11/20/2009, 090234356, ZA0000116

The ASBESTOS BUSINESS ORGANIZATION
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2011

MACTEC ENGINEERING AND CONSULTING, INC.
BRIAN DUCHENE
4150 N JOHN YOUNG PKWY
ORLANDO FL 32804

CHARLIE CRIST
GOVERNOR

CHARLES W. DRAGO
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC# 4164844

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

SEQ# L08120202295

DATE	BATCH NUMBER	LICENSE NBR
12/02/2008	088117001	EA0000016

The ASBESTOS CONSULTANT - ENGINEER
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2010

STAUFFER, RUSSELL E
1898 SETON CT
CLEARWATER FL 33763-4434

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY



UNIVERSITY OF
FLORIDA

TREEO CENTER

Center for Training, Research and Education for Environmental Occupations certifies

Russell E Stauffer

MACTEC Engineering & Consulting, Inc., 4919 W. Laurel St. Tampa, FL 33607

Having passed a 25-question exam with a score of 70% or higher has successfully met training requirements for

Asbestos Refresher: Inspector

FDBPR Asbestos Licensing Unit: Provider #0000995; Course #FL49-0004731
(Reaccreditation for Inspector under TSCA Title III/AHERA)

Conducted

05/11/2010

Certificate #: 100445-1492

Exam Date: 05/11/2010

EPA accreditation expires: 05/11/2011

Principal Instructor: Brian Duchene, PE

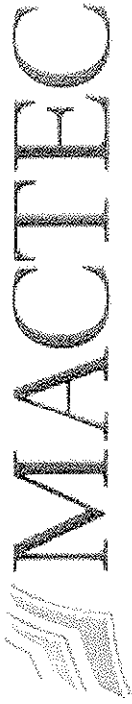
CEUs: .4

FBPR LAC: #0000995; Course #0004731 EA0000016

FBPE PDHs (#0004040): 4.0 0

ABIH: CM Points 0.67

William T. Engel, Jr., Ph.D.
Director



MACTEC ENGINEERING AND CONSULTING, INC.

4150 North John Young Parkway, Orlando, Florida 32804 (407) 522-7570
FL CPE Provider No. FL-49-0001220

This is to certify that

Ronald C. Trapani - 20495

4150 N. John Young Parkway, Orlando, Florida 32804

Has completed the requisite 4 hour training course for Asbestos Accreditation
Under FSCA Title II for the "Asbestos Abatement: Inspector Refresher" Course
FL CPE Course No. HJ-49-0002875

February 5, 2010

Examination Date

February 5, 2011

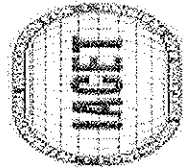
Completion Date

February 5, 2011

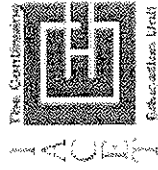
Expiration Date

4150 N. John Young Pkwy, Orlando, FL 32804

Course Location



Brian J. DuChene, Course Director
Sponsor Member Number 201015
CPE Abstract #14



Principal Instructor: Russell Stauffer

APPENDIX B

LEAD

**Lead-Based Paint Testing Results
Certifications**

LEAD-BASED PAINT TESTING RESULTS

Sample No.	Building	Location	Sub Location	Component	Substrate	Color	Results (% wt)
1	C	Cafeteria	S. Wall	Wall	Plaster	White	0.032
2	C	Cafeteria	W Wall	Wall	Drywall	White	0.012
3	C	Cafeteria	N Wall	Wall	Concrete	Peach	0.079
4	C	Cafeteria	W Wall	Jamb	Wood	Peach	0.19
5	C	Cafeteria	W Wall	Door	Wood	Peach	0.27
6	C	Cafeteria	W Wall	Baseboard	Wood	Peach	0.034
7	C	Cafeteria	E Wall	Jamb	Wood	Peach	0.59
8	C	Cafeteria	E Wall	Door	Wood	Tan	0.10
9	C	Cafeteria	E Wall	Door	Wood	Black	<0.026
10	C	Cafeteria	N Wall	Jamb	Wood	Gray	<0.011
11	C	Cafeteria	N Wall	Jamb	Wood	Gray	0.18
12	C	Hall @ 112	W Wall	Wall	Concrete	Gray	0.051
13	C	Hall @ 113	W Wall	Wall	Concrete	Gray	0.035
14	C	112	N Wall	Sill	Concrete	Gray	0.054
15	C	Library	E Wall	Jamb	Wood	Gray	0.24
16	C	Library	E Wall	Baseboard	Wood	Olive	0.48
17	C	113	E Wall	Wall	Plaster	Green	0.030
18	C	113	E Wall	Baseboard	Wood	Black	0.070
19	C	113	W Wall	Jamb	Wood	Dk. Olive	0.22
20	C	115	E Wall	Baseboard	Wood	Gray/Brown	0.014
21	C	110	N Wall	Door	Wood	Dk. Green	0.019
22	C	110	N Wall	Jamb	Wood	Dk. Green	0.30
23	C	Exterior	N Wall	Wall	Concrete	Tan/White/Turquoise	0.042
24	Gym	Basketball	N Wall	Wall	Concrete	Blue	1.7
25	Gym	Basketball	N Wall	Wall	Concrete	Yellow	2.9
26	Gym	Basketball	N Wall	Wall	Wood	Blue	0.032
27	Gym	Basketball	N Wall	Wall	Concrete	White	0.016
28	Gym	Basketball	E Area	Seat	Wood	Gray	2.1
29	Gym	Basketball	E Area	Rail	Wood	Blue	1.4
30	Gym	Basketball	E Area	Columns	Steel	Blue	0.34
31	Gym	Basketball	E Area	Columns	Steel	White	0.72
32	Gym	Basketball	W Wall	Door	Metal	Blue	0.12
33	Gym	Basketball	W Wall	Jamb	Metal	Blue	0.25
34	Gym	Wong	E Wall	Door	Metal	Turquoise	0.25
35	Gym	Wong	E Wall	Jamb	Metal	Turquoise	0.41
36	Gym	Wong	E Wall	Wall	Concrete	Turquoise	0.12
37	Gym	Wong	E Wall	Wall	Wood	White	<0.012
38	Gym	Wong	Center Area	Floor	Concrete	Gray	<0.010
39	Gym	Basketball	S Wall	Wall	Concrete	Bright Yellow	0.11
40	Gym	Basketball	S Area	Floor	Concrete	Tan	<0.010
41	Gym	Basketball	S Wall	Rail	Metal	Gray	0.37
42	Gym	Basketball	S Area	Floor	Concrete	Green	<0.010
43	Gym	Fraga	W Wall	Door	Metal	Lt. Blue	0.28
44	Gym	Fraga	W Wall	Jamb	Concrete	Lt. Blue	0.29
45	Gym	Fraga	Center Area	Shelf	Concrete	Lt. Blue	0.32
46	Gym	Fraga	Center Area	Seat	Wood	Lt. Blue	<0.010
47	Gym	Fraga	W Wall	Shelf	Formic	Red	<0.021

Italics = LBP per OSHA

Bolded = LBP per EPA

Non-bolded = LBP per CPSC

< = Less than detection limit

LEAD-BASED PAINT TESTING RESULTS

Sample No.	Building	Location	Sub Location	Component	Substrate	Color	Results (% wt)
48	Gym	Exterior	E Wall	Door	Wood - Ext	Dk. Green	0.077
49	Gym	Exterior	E Wall	Jamb	Wood - Ext	Dk. Green	<0.010
50	<i>A</i>	<i>Exterior</i>	<i>N Wall</i>	<i>Rail</i>	<i>Metal - Ext</i>	<i>Yellow</i>	<i>0.049</i>
51	A	Exterior	N Wall	Wall	Stucco - Ext	Yellow	0.081
52	A	Exterior	N Wall	Wall	Concrete - Ext	White	0.23
53	A	Exterior	N Wall	Stair	Metal - Ext	Yellow	0.11
54	A	Exterior	E Wall	Wall	Concrete - Ext	White	0.21
55	A	Exterior	E Wall	Wall	Stucco - Ext	Yellow	0.18
56	Gym	Exterior	S Wall	Wall	Stucco - Ext	Yellow	0.060
57	Gym	Exterior	S Wall	Wall	Concrete - Ext	White	1.0
58	Gym	Exterior	N Wall	Wall	Stucco - Ext	Yellow	<0.011
59	B	Exterior	N Wall	Wall	Stucco - Ext	Yellow	0.29
60	B	Exterior	N Wall	Wall	Concrete - Ext	White	0.086
61	<i>B</i>	<i>Exterior</i>	<i>N Wall</i>	<i>Rail</i>	<i>Metal - Ext</i>	<i>Yellow</i>	<i>0.058</i>
62	B	Exterior	N Wall	Ladder	Metal - Ext	Yellow	2.2
63	B	108	N Wall	Wall	Concrete - Ext	Gray	<0.010
64	<i>B</i>	<i>108</i>	<i>N Wall</i>	<i>Wall</i>	<i>Stucco - Ext</i>	<i>Tan</i>	<i>0.022</i>
65	B	108	E Wall	Door	Wood	Tan	0.12
66	B	108	E Wall	Jamb	Wood	Tan	0.43
67	B	107	E Wall	Door	Wood	Gray	0.070
68	B	107	E Wall	Jamb	Wood	Gray	0.33
69	B	107	N Wall	Wall	Concrete	Gray	0.25
70	B	107	N Wall	Baseboard	Wood	Black	<0.010
71	B	105	N Wall	Baseboard	Wood	Tan	0.060
72	B	109	E Wall	Door	Wood	Blue	0.11
73	B	109	E Wall	Jamb	Wood	Blue	0.11
74	B	121	W Wall	Wall	Concrete	Yellow	<0.011
75	B	121	W Wall	Baseboard	Wood	Gray	<0.010
76	B	209	W Wall	Wall	Concrete	Blue	0.029
77	B	209	W Wall	Baseboard	Wood	Blue	0.36
78	B	215	E Wall	Door	Wood	Purple	0.14
80	A	Auditorium	E Wall	Aud - Jamb	Wood	Green	0.41
81	A	Auditorium	E Wall	Aud - Baseboard	Wood	Green	0.35
82	A	Auditorium	W Wall	Stair	Wood	Varnish	<0.010
83	A	205	S Wall	Door	Wood	Red	0.23
84	<i>A</i>	<i>205</i>	<i>S Wall</i>	<i>Jamb/Baseboard</i>	<i>Wood</i>	<i>Red</i>	<i>0.019</i>
85	A	204	N Wall	Door	Wood	I.t. Purple	0.23

Checked by: CT

Italics = LBP per OSHA

Bolded = LBP per EPA

Non-bolded = LBP per CPSC

< = Less than detection limit

