

Executive Summary

On November 28 through December 19, 2016, ATC performed a Lead-Based Paint (LBP) and Asbestos Investigation for the Urban Government Center located at 810 Barret Avenue in Louisville, Kentucky. Lead content was determined on select painted surfaces by utilizing a portable Niton X-Ray Fluorescence analyzer (XRF) S/N 6993. The inspection, sampling, and analytical procedures were performed in general accordance with the United States Environmental Protection Agency's (USEPA's) rules and regulations as well as guidelines of the Asbestos Hazard Emergency Response Act (AHERA), the Housing and Urban Development (HUD), the Occupational Safety & Health Administration's (OSHA's) Lead in Construction Standard, and the National Institute of Occupational Safety and Health (NIOSH).

A total of 2,133 XRF readings were collected at the building. Two hundred seventy eight (278) of the 2,133 samples were above the 1.0 mg/cm² cutoff for lead based paint. As determined above 1.0 mg/cm² are considered to be lead based paints. In addition, lead in glazing on select ceramics are not paints however were identified to contain lead. The following materials and paints above the 1.0 mg/cm² cutoff are listed in Section 2 of the report.

The Occupational Safety and Health Administration (OSHA) states paint results with any detectable level of lead must be addressed as a Lead-Containing Paint that could become an exposure hazard to workers who disturb these coated surfaces during demolition or renovation activities as detailed in 29 CFR 1926.62. The two hundred and seventy eight (278) LBP paint and an additional nineteen (19) paints and materials are considered to be Lead-Containing.

Similar paints on similar substrates should be considered LBP or lead-containing paint throughout the building.

A total of one hundred four (104) homogenous areas (HAs) were identified as suspect asbestos materials within the Urban Government Center. One hundred one (101) HAs were sampled and collected for laboratory analysis in the building. Laboratory analysis indicated that fifty (50) of the one hundred one (101) HAs in the building were found to contain asbestos concentrations greater than one percent (>1%). The select transite panels, fire doors and asphalt roofing materials (HA 90, 91 and 92) were assumed to contain asbestos.

HA No.	MATERIAL TYPE	LOCATION	ACM Type	ACM Y/N	Friable Class	Material Quantity
9	9"x9" Tan/White Floor Tile/ Black Mastic	First Floor Office	M	Y	I	329 SF
14	12"x12" Cream/White/Tan Floor Tile/ Black Mastic	First Floor Hallway, Select First floor Offices, First Floor File Room, First Floor Storage	M	Y	I	427 SF
15	3" Pipe Insulation	Room 118, Room 120, Room 122, Room 1330, Employee Room First Floor, Room 105, First Floor Storage Room, Room 101, First Floor Hallway, HVAC Room, Maintenance Room, Room 129, Room 138	TSI	Y	F	733 SF
18	3" Pipe Fitting	Throughout the Building	TSI	Y	F	248
19	Black Coating	On Every Exterior Wall	M	Y	I	N/A
21	Sink Insulation	Room 120	TSI	Y	F	6 SF
24	12"x12" Tan/White/Black Floor Tile/Tan & Yellow Mastic	Room 124	M	Y	I	180 SF
26	12"x12" Cream/Tan Floor Tile/Tan Mastic	First Floor Hallway, Elevator Lobby, Room 138, Second Floor Hallway, Room 229, Second Floor Elevator Lobby, Seventh Floor Restroom	M	Y	I	979 SF
27	9"x9" Tan Floor Tile/ Tan & Yellow Mastic	Maintenance Room	M	Y	I	144 SF
29A	Associated Black and Yellow Mastic	First Floor Gym	M	Y	I	4,875 SF
30A	Associated Black Mastic	First Floor Gym	M	Y	I	4,875 SF
32	9"x9" Cream/Brown Floor Tile/Black Mastic	First Floor Storage	M	Y	I	168 SF

HA No.	MATERIAL TYPE	LOCATION	ACM Type	ACM Y/N	Friable Class	Material Quantity
37	9"x9" Gold Floor Tile/Black Mastic	Room 129	M	Y	I	160 SF
38	Tan Duct Sealer	First Floor Storage Rooms, First Floor Kitchen	TSI	Y	F	130 LF
39	9"x9" Tan/Black Floor Tile/Black Mastic	Room 105 A	M	Y	I	32 SF
42	2" Aircell	Throughout the Building	TSI	Y	F	356
48	Linoleum/ Tan Mastic	Second Floor Kitchen	M	Y	F	48 SF
49	12"x12" Brown Floor Tile/ Black Mastic	Second Floor Kitchen, Second Floor Office	M	Y	I	348 SF
51	9"x9" Beige/ Brown Floor Tile/ Yellow & Black Mastic	Second Floor Storage Room	M	Y	I	60 SF
53	4" Pipe Insulation	Throughout the Building	TSI	Y	F	3,676 LF
54	4" Fitting	Throughout the Building	TSI	Y	F	429 each
55	6" Pipe Insulation	Throughout the Building	TSI	Y	F	589 SF
56	3" Pipe Insulation	Throughout the Building	TSI	Y	F	3,840 LF
57	9"x9" Beige/White/Gray Floor Tile/ Black Mastic	Second Floor Storage	M	Y	I	12 SF
58	9"x9" Light Green/White/Brown Floor Tile/Black Mastic	Closet in Room 233	M	Y	I	64 SF
60	Linoleum	Select Third Floor Restrooms, Third Floor Kitchen, Select Third Floor Offices	M	Y	F	318 SF
64	White Sink Insulation	Room 547	TSI	Y	F	N/A
65	Brown Linoleum/Yellow	Room 547	M	Y	F	600 SF
69	12"x12" Tan/Brown Marbled Floor Tile/Black Mastic	Room 651, Kitchen 651, Sixth Floor Utility Closets, Room 675, Room 677, Room 679,	M	Y	I	757 SF
71	9"x9" Tan/White Floor Tile/ Black Mastic	Room 613	M	Y	I	18 SF
72	9"x9" Cream/Brown Floor Tile/Black Mastic	Fourth Floor Storage Rooms, Sixth Floor Hallway, Room 648	M	Y	I	912 SF
73	9"x9" Green Floor Tile/Black Mastic	Seventh Floor Utility Closet	M	Y	I	18 SF
74	12"x12" Brown Floor Tile/Black Mastic	Seventh Floor Utility Closet	M	Y	I	189 SF
75A	Associated Black Mastic	Seventh Floor Utility Closet, Select Seventh Floor Offices, Seventh Floor Waiting Room, Seventh Floor Hallways, Seventh Floor Photo Lab, Seventh Floor Room at the end of the Hallway, Seventh Floor Storage Room	M	Y	I	4,900 SF
77	Black Lab Top	Seventh Floor Lab Area	M	Y	II	78 SF
79	10" Air cell Pipe Insulation	Throughout the Seventh Floor	TSI	Y	F	220 SF
80	10" Fitting	Throughout the Seventh Floor	TSI	Y	F	4 each
81	12"x12" Tan/White Floor Tile/ Black Mastic	Throughout the Building	M	Y	I	22,489 SF
85	12"x12" Cream/Brown Floor Tile/ Black Mastic	Fourth Floor Hallway and Room, Room 648	M	Y	I	859 SF
87	6" Fitting	Throughout the Building	TSI	Y	F	162 each
89	2" Fitting	Room 138, Third Floor Office, Room 613 A	TSI	Y	F	13 each
90	Transite	Seventh Floor Lab Area	M	A	II	108 SF
91	Fire Doors	Third Floor Hallway, Fifth Floor Hall	M	A	II	8 each
92	Asphalt Roof	Exterior	M	A	I	39,556 SF
B-2	Pipe Fitting	North East Mechanical Room	TSI	Y	F	N/A
B-4	8" Fitting	South East Mechanical Room	TSI	Y	F	13 each
B-5	8" Aircell Pipe Insulation	South East Mechanical Room	TSI	Y	F	1,250 LF
R-1	Linoleum	Hallway	M	Y	F	65 SF
R-2	9"x9" Floor Tile/ Black Mastic	Hallway Under Linoleum, Throughout Rooms	M	Y	I	635 SF
R-3	Window Glaze	Penthouse Elevator Switch Gear	M	Y	F	63 LF
R-4	10" Pipe Fitting	HVAC Room	TSI	Y	F	30 each
R-6	Window Glaze	Elevator Switch Gear Room	M	Y	F	63 LF
R-1	Mosaic Pattern Linoleum/ Black Felt	Elevator Main Lobby	M	Y	F	70 SF

Vinyl floor tile (VFT) quantities include only what was observed during the inspection, no observations were made underneath carpeted or other layers of VFT. Thermal system insulation (TSI) quantities include only what was observed during the inspection, no observations were made above hard ceilings, wall cavities, and other inaccessible locations. Additional materials and quantities may be located in inaccessible areas.

Should suspect materials be identified that are not included in the attached tables, ATC recommends that an asbestos licensed building inspector and/or lead risk assessor be called to the site to investigate any such material. A complete listing of sampled painted surfaces, sampled suspect asbestos containing materials, and analytical results can be found in the report text and attached tables.