

## Executive Summary

On December 7, 20, and 21, 2016, ATC performed a Lead-Based Paint (LBP) and Asbestos Investigation for the Urban Government Center (APCD) located at 850 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 ninety four (94) XRF readings were collected at the building. Four (4) of the ninety four (94) samples were above the 1.0 mg/cm<sup>2</sup> cutoff for lead based paint. Lead in glazing on select ceramics are not paints however were identified to contain lead. The following materials were above the 1.0 mg/cm<sup>2</sup> cutoff:

Reading No	Component	Substrate	Side	Condition	Color	Floor	Sample Room
2872	WALL	CERAMIC	A	INTACT	YELLOW	SECOND	BATHROOM WOMENS
2877	WALL	CERAMIC	A	INTACT	WHITE	SECOND	BATHROOM MENS
2897	WALL	CERAMIC	D	INTACT	WHITE	THIRD	BATHROOM MENS
2906	WALL	CERAMIC	A	INTACT	TAN	THIRD	BATHROOM WOMENS

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. No paints considered as Lead-Containing Paint was identified present at the site.

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

A total of twenty nine (29) homogenous areas (HAs) were identified as suspect asbestos materials within the Urban Government Center (APCD) located at 850 Barret Avenue. Twenty eight (28) HAs were sampled and collected for laboratory analysis. Laboratory analysis indicated that eleven (11) of the twenty eight (28) HAs were found to contain asbestos concentrations greater than one percent (>1%). The select asphalt roofing materials (HA 29) were assumed to contain asbestos.

HA No.	MATERIAL TYPE	LOCATION	ACM Type	ACM Y/N	Friable Class	Material Quantity*
11A	Associated Black Mastic	HA 11 Locations	M	Y	I	390 SF
13A	Associated Black Mastic	HA 13 Locations	M	Y	I	25 SF
18A	Associated Black Mastic	HA 18 Locations	M	Y	I	80 SF
19A	Associated Black Mastic	HA 19 Locations	M	Y	I	132 SF
20A	Associated Black Mastic	Second Floor Interior Offices	M	Y	I	540 SF
21	12"x12" Tan Streak Floor Tile/Black Mastic	Second Floor Interior Offices	M	Y	I	25 SF
24	12"x12" Blue Stone Floor Tile	Third Floor Westside Office Area	M	Y	I	30 SF
25	12"x12" Tan/Brown Marbled Floor Tile/Black Mastic	Third Floor Westside Office Area	M	Y	I	N/A
26	12"x12" Black Floor Tile/Black Mastic	Third Floor Westside Office Area	M	Y	I	650 SF
27A	Associated Black Mastic	HA 27 Locations	M	Y	I	50 SF
28	12"x12" White Floor Tile/Black Mastic	Third Floor Westside Office Area	M	Y	I	100 SF
29	Asphalt Roofing System	Exterior	M	A	I	10,803 SF

Should suspect materials be identified that are not included 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.