

## Executive Summary

On December 6, 7, 20, and 21, 2016, ATC performed a Lead-Based Paint (LBP) and Asbestos Investigation for the Louisville Metro Police Department and Louisville Metro Housing Authority located at 768 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 one hundred and sixty nine (169) XRF readings were collected at the building. Twenty (20) of the one hundred and sixty nine (169) samples were above the 1.0 mg/cm<sup>2</sup> cutoff for lead based paint. As determined above 1.0 mg/cm<sup>2</sup> 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 were above the 1.0 mg/cm<sup>2</sup> cutoff:

Reading No	Component	Substrate	Side	Condition	Color	Floor	Sample Room
<b>Louisville Metro Police Department</b>							
2798	DOORFRM	METAL	B	INTACT	BROWN	FIRST	STAIRWELL
2800	DOORFRM	METAL	A	INTACT	BROWN	FIRST	STAIRWELL
2718	DOORFRM	WOOD	C	INTACT	ORANGE	SECOND	BATHROOM MENS
2719	WALL	CERAMIC	B	INTACT	YELLOW	SECOND	BATHROOM MENS
2720	WALL	CERAMIC	B	INTACT	BROWN	SECOND	BATHROOM MENS
2729	DOORFRM	METAL	A	INTACT	BROWN	SECOND	HALL
2730	WALL	CERAMIC	C	INTACT	PINK	SECOND	HALL
2732	DOORFRM	METAL	D	INTACT	YELLOW	SECOND	HALL
2733	WALL	CERAMIC	D	INTACT	PINK	SECOND	BATHROOM WOMENS
2740	DOORFRM	METAL	D	INTACT	GRAY	SECOND	OFFICE
2742	WALL	CERAMIC	D	INTACT	BLUE	SECOND	BATHROOM
2750	WALL	CERAMIC	C	INTACT	GREEN	THIRD	BATHROOM WOMENS
2811	DOORFRM	METAL	C	INTACT	BROWN	FOURTH	RM 408
2824	WALL	CERAMIC	A	INTACT	GREEN	FOURTH	BATHROOM WOMENS
2826	DOORFRM	METAL	D	INTACT	YELLOW	FOURTH	BATHROOM WOMENS
<b>Louisville Metro Housing Authority</b>							
2662	DOORFRM	DRYWALL	B	INTACT	BLUE	FIRST	HALL
2666	DOORFRM	METAL	C	INTACT	BLUE	THIRD	BREAKROOM
2686	DOORFRM	METAL	A	INTACT	GRAY	FOURTH	RECEPTION AREA
2691	DOORFRM	METAL	D	INTACT	TAN	FOURTH	BATHROOM WOMENS
2693	WALL	CERAMIC	C	INTACT	PINK	FOURTH	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. The twenty (20) LBP paint and the following five (5) additional paints and materials are considered to be Lead-Containing:

Reading No	Component	Substrate	Side	Condition	Color	Floor	Sample Room
<b>Louisville Metro Police Department</b>							
2814	WALL	PLASTER	A	INTACT	YELLOW	FOURTH	RM 408
2817	WALL	PLASTER	A	INTACT	BLUE	FOURTH	RM 406
<b>Louisville Metro Housing Authority</b>							
2641	HANDRAIL	METAL	A	INTACT	GRAY	FIRST	MECH RM
2644	RISER	METAL	A	INTACT	BLK	FIRST	BACK HALL
2650	WALL	CERAMIC	A	INTACT	GREEN	FIRST	BACK HALL

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

A total of twenty five (25) homogenous areas (HAs) were identified as suspect asbestos materials within the Louisville Metro Police Department and Louisville Metro Housing Authority. Twenty four (24) HAs were sampled and collected for laboratory analysis in the Louisville Metro Police Department and Housing Authority. Laboratory analysis indicated that one (1) of the twenty four (24) HAs was found to contain asbestos concentrations greater than one percent (>1%). The asphalt roofing materials (HA 23) were assumed to contain asbestos.

HA No.	MATERIAL TYPE	LOCATION	ACM Type	ACM Y/N	Friable Class	Material Quantity
15	9"x9" Brown/White Floor Tile/ Black Mastic	Room 206 Under Carpet	M	Y	I	160 SF
23	Asphalt Roof	Exterior	M	A	I	13,500 SF

Select vinyl floor tile (VFT) did not identify a suspect adhesive (clear mastic), however it has been identified by other samples the black floor mastic is positive for asbestos and the yellow floor mastic is negative. 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.