



## MEMORANDUM

### Missouri Department of Transportation Construction and Materials Central Laboratory

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**TO:** Dale Brandt-gs

**COPY:**

**FROM:** Frank Reichart   
Environmental Chemist

**DATE:** December 13, 2010

**SUBJECT:** Materials  
Asbestos & Heavy Metal Paint Inspection  
Route N/A  
Job No. N/A  
Parcel 3<sup>rd</sup> Floor Main Office, 1928 Section  
Cole County

We are providing you with the results of the requested inspection on the above referenced properties. The inspection report contains an asbestos and a heavy metals survey, unless otherwise requested. The asbestos inspection included sample collection of suspect asbestos-containing material and National Voluntary Laboratory Accreditation Program (NVLAP) accredited testing to confirm the presence of asbestos. This asbestos and heavy metal paint report includes four different report forms. Form T746 lists all of the samples taken during the asbestos inspection. Form T747 shows only those samples that tested positive for Category I nonfriable asbestos-containing materials that may remain in the structure during demolition, if kept adequately wet to avoid visible air emissions. Form T748 shows only those samples that tested positive for asbestos and require removal prior to demolition. Form C760 lists all paint samples taken during the heavy metal paint inspection and their metal content.

In accordance with the National Emissions Standard for Hazardous Air Pollutants (NESHAP), as well as city and county asbestos abatement regulations - Registration, Notification, and Performance Requirements, regulated asbestos-containing material (RACM) namely, Friable and Category II nonfriable, have a high probability of becoming friable under normal demolition forces. Practices and procedures for removal prior to demolition, disposal, and clearances should be in accordance with referenced regulations. Missouri Department of Transportation policy is to perform asbestos abatements in accordance with NESHAP.

In accordance with Missouri Department of Natural Resources' Technical Bulletin "Managing Construction and Demolition Waste" dated January 31 2003, a heavy metal paint inspection has been performed on the above referenced properties. We are providing you with the results of this inspection. The inspection includes locating painted concrete, block and/or brick surfaces, sampling the painted surface(s) and testing the paint(s) to determine if hazardous heavy metals are present. Non-hazardous painted concrete, blocks, or bricks may be used as clean fill

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materials, if properly handled. You must contact the Central Office Design Division for proper handling of the reported painted surfaces.

Although our survey included observing and sampling behind walls, above ceilings, beneath floors, etc., it is possible that potentially hidden asbestos-containing materials may exist within the structures. To our knowledge, we have located all suspect asbestos-containing and all painted concrete, block and brick surfaces. If suspect asbestos-containing materials or if painted concrete, block and/or brick surfaces are observed in addition to those reflected in this inspection report, then please advise us immediately so that we may schedule a follow-up inspection.

Should you have any questions regarding these reports, please contact me at (573) 526-4359.

db/dr  
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Attachments

**MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS  
Asbestos Survey Report  
All Suspect ACM**

**ROUTE:** N/A  
**MODOT JOB NO.:** N/A  
**DISTRICT:** 5  
**COUNTY:** Cole  
**DATE OF SURVEY:** December 3, 2010  
**PARCEL NO.:** 3<sup>rd</sup> Floor, 1928 Addition

**SURVEYED BY:** Steve Bates and Diane Roegge  
**CERTIFICATION #:** 7028011210MOIR11238, S.B. 7028011210MOIR7165, D.R.  
**SITE ADDRESS:** 105 West Capitol Avenue, Jefferson City  
**TYPE(S) OF STRUCTURE(S):** 5-Story Block/Concrete Office Building with Partial Basement

Sample ID	Type of Materials	Location of Material	Friability Category	Field Measure
10MSBB 734	Floor Sheeting (Light Gray)	Hallway/Breakroom, 1 <sup>st</sup> Layer, Over Concrete	N-ACM	494 Sq. Ft.
10MSBB 735	Floor Sheeting (Beige Aggregate)	Janitor's Closet, 1 <sup>st</sup> Layer; and Hallway/Breakroom, 2 <sup>nd</sup> Layer, Over Concrete	F	
10MSBB 736	Leveling Compound	Under Beige Floor Sheeting, Over Concrete	N-ACM	
10MSBB 737	Floor Tile (12"x 12")	Bridge Section, West, 1 <sup>st</sup> Layer, Over Concrete	INF	
10MSBB 738	Adhesive, Floor Tile (12"x 12")		N-ACM	
10MSBB 739	Floor Tile (12"x 12")	Bridge Section, Middle, 1 <sup>st</sup> Layer, Over Concrete	INF	
10MSBB 740	Adhesive, Floor Tile (12"x 12")		N-ACM	
10MSBB 741	Floor Tile (12"x 12")	Bridge Section, East, 1 <sup>st</sup> Layer, Over Concrete	INF	
10MSBB 742	Adhesive, Floor Tile (12"x 12")		N-ACM	
10MSBB 743	Floor Tile (9"x 9")	Bridge Section, West, 2 <sup>nd</sup> Layer, Over Concrete	INF	
10MSBB 744	Mastic, Floor Tile (9"x 9")		N-ACM	
10MSBB 745	Floor Tile (9"x 9")	Bridge Section, Middle, 2 <sup>nd</sup> Layer, Over Concrete	INF	
10MSBB 746	Mastic, Floor Tile (9"x 9")		N-ACM	
10MSBB 747	Floor Tile (9"x 9")	Bridge Section, East, 2 <sup>nd</sup> Layer, Over Concrete	INF	
10MSBB 748	Mastic, Floor Tile (9"x 9")		N-ACM	
10MSBB 749	Leveling Compound	Bridge Section, Over Concrete	N-ACM	
10MSBB 750	Mastic, Carpet Tiles		N-ACM	
10MSBB 751	Floor Tile (9"x 9")	Bridge Section, Cardex Room (East), 1 <sup>st</sup> Layer, Over Concrete	NAFD	
10MSBB 752	Mastic, Floor Tile (9"x 9")		N-ACM	
10MSBB 753	Grout, Ceramic Tile	Floors, Men's and Women's Bathrooms	N-ACM	
10MSBB 754	Mortar, Ceramic Tile		N-ACM	
10MSBB 755	Ceiling Tile (2' x 4')	Dropped Ceilings Throughout, Except Bathrooms	N-ACM	

7,086 Sq. Ft.

N-ACM = Non-Asbestos Containing Material      INF = Category I Nonfriable      F = Friable  
 NAFD = No Asbestos Fiber Detected      \* = Tested By Point Count Procedure      J:\BARRED\ASBESTOS\MISC\CENTRAL OFFICE 3RD FLOOR 1928.DOC

**MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS  
Asbestos Survey Report  
All Suspect ACM**

**ROUTE:** N/A  
**MODOT JOB NO.:** N/A  
**DISTRICT:** 5  
**COUNTY:** Cole  
**DATE OF SURVEY:** December 3, 2010  
**PARCEL NO.:** 3<sup>rd</sup> Floor, 1928 Addition

**SURVEYED BY:** Steve Bates and Diane Roegge  
**CERTIFICATION #:** 7028011210MOIR11238, S.B. 7028011210MOIR7165, D.R.  
**SITE ADDRESS:** 105 West Capitol Avenue, Jefferson City  
**TYPE(S) OF STRUCTURE(S):** 5-Story Block/Concrete Office Building with Partial Basement

Sample ID	Type of Materials	Location of Material	Riability Category	Field Measure
10MSBB 756	Ceiling Tile (2' x 2')	Dropped Ceilings, Bathrooms	N-ACM	
10MSBB 757	Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, West	N-ACM	
10MSBB 758	Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, Middle	N-ACM	
10MSBB 759	Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, East	N-ACM	
10MSBB 760	Ceiling Tile (1' x 1')	Original Ceilings, Breakroom and Women's Bathroom	N-ACM	
10MSBB 761	Adhesive, Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, West	II NF	
10MSBB 762	Adhesive, Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, Middle	II NF	
10MSBB 763	Adhesive, Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, East	II NF	8,096 Sq. Ft.
10MSBB 764	Adhesive, Ceiling Tile (1' x 1')	Original Ceilings, Breakroom and Women's Bathroom	II NF	
10MSBB 765	Grout, Ceramic Tile	Walls, Men's and Women's Bathrooms	N-ACM	
10MSBB 766	Adhesive, Ceramic Tile	Walls, Janitor's Closet	N-ACM	
10MSBB 767	Adhesive, Baseboard (Black)	Walls, Breakroom	N-ACM	
10MSBB 768	Adhesive, Baseboard (Beige)	Walls, Breakroom	N-ACM	
10MSBB 769	Adhesive, Baseboard	Walls, Hallway	N-ACM	
10MSBB 770	Sheetrock, Joint/Tape/Mud	Walls, Hallway	N-ACM	
10MSBB 771	Sheetrock, Joint/Tape/Mud	Walls, Bridge Section	N-ACM	
10MSBB 772	Sheetrock, Joint/Tape/Mud	Walls, Bridge Section	N-ACM	
10MSBB 773	Skim Coat	Walls and Original Ceilings	N-ACM	
10MSBB 774	Plaster	Walls and Original Ceilings	N-ACM	
10MSBB 775	TSI Wrap	2 Suspended Pipes, Ceiling, Men's Bathroom	N-ACM	
10MSBB 776	Insulation	Inside Rigid Ductwork, Returns	N-ACM	
10MSBB 777	Insulation	Outside Rigid Ductwork	N-ACM	
10MSBB 778	Insulation	Flexible Ductwork, Above Ceiling Tile Men's Bathroom	N-ACM	

N-ACM = Non-Asbestos Containing Material    II NF = Category II Nonfriable    F = Friable  
 NAFD = No Asbestos Fiber Detected    \* = Tested By Point Count Procedure    J:BARREDA SBESTOSMISCENTRAL OFFICE 3RD FLOOR 1928.DOC



**MISSOURI DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION AND MATERIALS**  
Asbestos Survey Report  
All materials requiring removal or special handling.

**ROUTE:** N/A  
**MODOT JOB NO.:** N/A  
**DISTRICT:** 5  
**COUNTY:** Cole  
**DATE OF TESTS:** December 6-7, 2010  
**PARCEL NO.:** 3<sup>rd</sup> Floor, 1928 Addition

**TESTED BY:** Frank Reichart *FR*  
**CERTIFICATION #:** 7028011210MOIR11239  
**SITE ADDRESS:** 105 West Capitol Avenue, Jefferson City  
**TYPE(S) OF STRUCTURE(S):** 5-Story Block/Concrete Office Building with Partial Basement

Bid Item No.	Sample ID	Type of Material	Location of Material	Friability Category	Field Measure	Asbestos Type	Percent
202-40.72	10MSBB 735	Floor Sheeting (Beige Aggregate)	Janitor's Closet, 1 <sup>st</sup> Layer, and Hallway/Breakroom, 2 <sup>nd</sup> Layer, Over Concrete	F	494 Sq. Ft.	Chrysotile	30-50
	10MSBB 737	Floor Tile (12"x 12")	Bridge Section, West, 1 <sup>st</sup> Layer, Over Concrete	I NF			
	10MSBB 738	Adhesive, 12"x 12" Floor Tile	Concrete	N-ACM			
	10MSBB 739	Floor Tile (12"x 12")	Bridge Section, Middle, 1 <sup>st</sup> Layer, Over Concrete	I NF			
	10MSBB 740	Adhesive, 12"x 12" Floor Tile	Concrete	N-ACM			
	10MSBB 741	Floor Tile (12"x 12")	Bridge Section, East, 1 <sup>st</sup> Layer, Over Concrete	I NF			
	10MSBB 742	Adhesive, 12"x 12" Floor Tile	Concrete	N-ACM			
	10MSBB 743	Floor Tile (9"x 9")	Bridge Section, West, 2 <sup>nd</sup> Layer, Over Concrete	I NF			
	10MSBB 744	Mastic, Floor Tile (9"x 9")	Concrete	N-ACM			
	10MSBB 745	Floor Tile (9"x 9")	Bridge Section, Middle, 2 <sup>nd</sup> Layer, Over Concrete	I NF			
202-40.96	10MSBB 746	Mastic, Floor Tile (9"x 9")	Bridge Section, East, 2 <sup>nd</sup> Layer, Over Concrete	N-ACM	7,086 Sq. Ft.	Chrysotile	2-7
	10MSBB 747	Floor Tile (9"x 9")	Bridge Section, East, 2 <sup>nd</sup> Layer, Over Concrete	I NF			
	10MSBB 748	Mastic, Floor Tile (9"x 9")	Concrete	N-ACM			
	10MSBB 761	Adhesive, Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, West	II NF			
	10MSBB 762	Adhesive, Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, Middle	II NF			
	10MSBB 763	Adhesive, Ceiling Tile (1' x 1')	Original Ceilings, Bridge Section, East	II NF			
	10MSBB 764	Adhesive, Ceiling Tile (1' x 1')	Original Ceilings, Breakroom and Women's Bathroom	II NF			
202-40.18					8,096 Sq. Ft.	Chrysotile	1-3

I NF = Category I Nonfriable    II NF = Category II Nonfriable    F = Friable    \* = Tested By Point Count Procedure  
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