



MEMORANDUM

Missouri Department of Transportation Construction and Materials Central Laboratory

TO: Paul Loftin-GS

COPY:

FROM: Diane Roegge 
Environmental Chemist

DATE: January 22, 2015

SUBJECT: Materials
Asbestos Inspection & Heavy Metal Paint Survey
Route I-55
Job No. WGCCGRA02
Parcel Northbound Fruitland Rest Area
Cape Girardeau County

We are providing you with the results of the requested inspection on the above referenced property. 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 survey 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 survey has been performed on the above referenced property. We are providing you with the results of this survey. This survey includes locating painted concrete, block and/or brick surfaces, sampling/testing the painted surface(s) to determine if hazardous heavy metals are present. Non-hazardous painted concrete, blocks, or bricks may be used as clean fill materials, if properly

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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 structure. 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

[http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared
documents/asbestos/districts/southeast \(se\)/misc/dr1501221.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared/documents/asbestos/districts/southeast(se)/misc/dr1501221.docx)

Attachments

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

ROUTE: I-55
MODOT JOB NO.: WGGCRA02
DISTRICT: SE
COUNTY: Cape Girardeau
DATE OF SURVEY: January 15, 2015
PARCEL NO.: Northbound Rest Area
SITE ADDRESS: Northbound I-55, Mile Marker 110, Fruitland

SURVEYED BY: Frank Reichart and Diane Roegge
CERTIFICATION #: 7118110514MOIR11239, F.R.
CERTIFICATION #: 7118110514MOIR7165, D.R.
TYPE(S) OF STRUCTURE(S): 1-Story Brick Comfort Station on Concrete, Covered Metal-Frame Map Case, Covered Wooden Vending Area, Two (2) Covered Picnic Tables, Six (6) Open Picnic Tables, and Two (2) Large Concrete Picnic Shelters

| Sample ID | Type of Materials | Location of Material | Friability Category | Field Measure |
|------------------------------|------------------------------|---|---------------------|---------------|
| Comfort Station | | | | |
| 15MDIR 006 | Asphalt Roofing Shingles | Roof, 1 st Layer | N-ACM | |
| 15MDIR 007 | Asphalt Felt Material | Roof, 2 nd Layer | N-ACM | |
| 15MDIR 008 | Grout, Ceramic Tile | Floors, Men's and Women's Restroom, Over Concrete | N-ACM | |
| 15MDIR 009 | Mortar, Ceramic Tile | Floors, Men's and Women's Restroom, Over Concrete | N-ACM | |
| 15MDIR 010 | Grout, Ceramic Tile | Walls, Men's and Women's Restroom | N-ACM | |
| 15MDIR 011 | Mortar, Ceramic Tile | Walls, Men's and Women's Restroom | N-ACM | |
| 15MDIR 012 | Sheetrock, Joint/Tape/Mud | Ceilings, Men's and Women's Restroom and Utility Room | N-ACM | |
| 15MDIR 013 | Sheetrock, 2 Foot from Joint | Ceilings, Men's and Women's Restroom and Utility Room | N-ACM | |
| 15MDIR 014 | Insulation | Attic | N-ACM | |
| 15MDIR 015 | Insulation | Attic, Flexible Ductwork | N-ACM | |
| Map Case | | | | |
| 15MDIR 016 | Asphalt Roofing Shingles | Roof, 1 st Layer | N-ACM | |
| 15MDIR 017 | Asphalt Felt Material | Roof, 2 nd Layer | N-ACM | |
| Vending Area | | | | |
| 15MDIR 018 | Asphalt Roofing Shingles | Roof, 1 st Layer | N-ACM | |
| 15MDIR 019 | Asphalt Felt Material | Roof, 2 nd Layer | N-ACM | |
| Covered Picnic Tables | | | | |
| 15MDIR 020 | Asphalt Roofing Shingles | Roof, 1 st Layer | N-ACM | |
| 15MDIR 021 | Asphalt Felt Material | Roof, 2 nd Layer | N-ACM | |

N-ACM = Non-Asbestos Containing Material I NF = Category I Nonfriable II NF = Category II Nonfriable F = Friable
 NAFD = No Asbestos Fiber Detected * = Tested By Point Count Procedure

**MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
Metals Survey Report of Painted Concrete, Block, Brick Surfaces for Clean Fill Purposes**

ROUTE: 1-55
MODOT JOB NO.: WCCGRA02
DISTRICT: SE
COUNTY: Cape Girardeau
SURVEYED BY: Frank Reichart
DATE OF SURVEY: January 15, 2015
PARCEL NO.: Northbound Rest Area

TESTED BY: Frank Reichart 
DATE OF TESTS: January 15, 2015
SITE ADDRESS: Northbound I-55, Mile Marker 110, Fruitland
TYPE(S) OF STRUCTURE(S): 1-Story Brick Comfort Station on Concrete, Covered Metal-Frame Map Case, Covered Wooden Vending Area, Two (2) Covered Picnic Tables, Six (6) Open Picnic Tables, and Two (2) Large Concrete Picnic Shelters

| Sample ID | Color/Location of Material/Substrate | Metals (ppm) | | | | | | | | | | | | |
|------------|---|--------------|------|----|-----|----|--------|-----|-----|--|--|--|--|--|
| | | As | Cr | Pb | Cd | Se | Ba | Hg | Ag | | | | | |
| | Comfort Station No samples taken. No painted surfaces located. | | | | | | | | | | | | | |
| | Map Case No samples taken. No painted surfaces located. | | | | | | | | | | | | | |
| | Vending Area No samples taken. No painted surfaces located. | | | | | | | | | | | | | |
| | Covered Picnic Tables No samples taken. No painted surfaces located. | | | | | | | | | | | | | |
| | Open Picnic Tables No samples taken. No painted surfaces located. | | | | | | | | | | | | | |
| | Picnic Shelters No samples taken. No painted surfaces located. | | | | | | | | | | | | | |
| 15MDIR 022 | Off-White/Exterior, Column, Roof, & Fascia/Concrete | 13 | <293 | 10 | <46 | <4 | <2,209 | <14 | <35 | | | | | |
| 15MDIR 023 | Brown/Exterior, Fascia/Concrete | <12 | <293 | 17 | <47 | <4 | <2,179 | <22 | <37 | | | | | |
| | NOTE: The portable metal storage shed at the east end of the site (by the trash dumpster) was not inspected since it is not impacted by the project. | | | | | | | | | | | | | |

All results are by XRF unless otherwise indicated: a = USEPA SW-846 Method 3050
b = USEPA SW-846 Method 7471