



MEMORANDUM

Missouri Department of Transportation Construction and Materials Central Laboratory

TO: Barry Bergman-SL/pm

COPY:

FROM: Diane Roegge 
Environmental Chemist

DATE: October 24, 2014

SUBJECT: Materials
Asbestos Inspection & Heavy Metal Paint Survey
Route D
Job No. N/A
Parcel E6-1183 (Page MT Lot – Salt & Brine Shed)
St Louis 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/st louis \(sl\)/misc/dr1410241.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared/documents/asbestos/districts/st%20louis%20(sl)/misc/dr1410241.docx)

Attachments

**MISSOURI DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION AND MATERIALS
 1617 Missouri Blvd, Jefferson City, MO 65101**

Tested For: Barry Bergman Project #: N/A Parcel: E6-1183
1590 Woodlake Dr Route: D County: St. Louis
Chesterfield, MO 63017

Sampled 08/12/2011 Received 08/12/2011 Completed 08/17/2011 Reported 10/24/2014

TEST REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

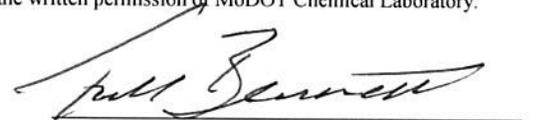
Sample ID:	11MFJR625*	11MFJR626*	11MFJR627	
Material Type	Asphalt Roofing Shingle	Asphalt Felt Material	Insulation	
Appearance (Color/Texture)	V Lt Gray/Ash Agg & Fbrs	Beige/Ashed Fluff	Yellow/Fiber	
Homogeneous?	X Yes No	X Yes No	X Yes No	Yes No
If No, Sub-sample #	N/A	N/A	N/A	
Layers Present?	Yes X No	Yes X No	Yes X No	Yes No
If Yes, Layer #	N/A	N/A	N/A	
ASBESTOS DETECTED?	Yes X No	Yes X No	Yes X No	Yes No
If Yes, Type and Percent				
Chrysotile				
Amosite				
Crocidolite				
Fibrous Anthophyllite				
Fibrous Actinolite				
Fibrous Tremolite				
TOTAL % ASBESTOS	0	0	0	
OTHER FIBERS DETECTED?	X Yes No	Yes X No	X Yes No	Yes No
If Yes, Type and Percent				
Glass	10-20		98-99	
Cellulose				
Synthetic				
Other (specify, if known)				
TOTAL % OTHER FIBERS	10-20	0	98-99	
NONFIBROUS MATRIX?	X Yes No	X Yes No	X Yes No	Yes No
If Yes, Type and Percent				
Binder	40-60	95-99		
Calcite				
Gypsum				
Granular Materials	30-40			
Other (specify, if known)		1-5	1-2	
TOTAL % NONFIBROUS	80-90	100	1-2	

REMARKS: (deviations/departures from test method)
 Sample was ashed.

Quantification is based on a visual determination of the relative volume of bulk sample components unless otherwise noted. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. Sampling Procedure used: MoDOT PLM QAM Section 8.1 Test Method used: EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples (EPA-600/M4-82-020 Dec. 1982). No part of this report may be reproduced except in full with the written permission of MoDOT Chemical Laboratory.


 Environmental Chemist

NVLAP
 NVLAP LAB CODE 200544-0


 Chemical Laboratory Director

**MISSOURI DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION AND MATERIALS
 1617 Missouri Blvd, Jefferson City, MO 65101**

Tested For: Barry Bergman Project #: N/A Parcel: E6-1183
1590 Woodlake Dr Route: D County: St. Louis
Chesterfield, MO 63017
 Sampled 10/23/2014 Received 10/23/2014 Completed 10/24/2014 Reported 10/24/2014

TEST REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

Sample ID:	14MFJR264*	14MFJR265*		
Material Type	Asphalt Roofing Shingle	Asphalt Felt Material		
Appearance (Color/Texture)	Lt Gray/Ash Agg & Fbrs	Cream/Ashed Fluff		
Homogeneous?	X Yes No	X Yes No	Yes No	Yes No
If No, Sub-sample #	N/A	N/A		
Layers Present?	Yes X No	Yes X No	Yes No	Yes No
If Yes, Layer #	N/A	N/A		
ASBESTOS DETECTED?	Yes X No	Yes X No	Yes No	Yes No
If Yes, Type and Percent				
Chrysotile				
Amosite				
Crocidolite				
Fibrous Anthophyllite				
Fibrous Actinolite				
Fibrous Tremolite				
TOTAL % ASBESTOS	0	0		
OTHER FIBERS DETECTED?	X Yes No	Yes X No	Yes No	Yes No
If Yes, Type and Percent				
Glass	10-20			
Cellulose				
Synthetic				
Other (specify, if known)				
TOTAL % OTHER FIBERS	10-20	0		
NONFIBROUS MATRIX?	X Yes No	X Yes No	Yes No	Yes No
If Yes, Type and Percent				
Binder	40-60	95-99		
Calcite				
Gypsum				
Granular Materials	30-40			
Other (specify, if known)		1-5		
TOTAL % NONFIBROUS	80-90	100		

REMARKS: (deviations/departures from test method)

*Sample was ashed.

Quantification is based on a visual determination of the relative volume of bulk sample components unless otherwise noted. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. Sampling Procedure used: MoDOT PLM QAM Section 8.1 Test Method used: EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples (EPA-600/M4-82-020 Dec. 1982). No part of this report may be reproduced except in full with the written permission of MoDOT Chemical Laboratory.

Diane Pregge
 Environmental Chemist



NVLAP LAB CODE 200544-0

Barry Bergman
 Chemical Laboratory Director

Missouri Department of Transportation
David B. Nichols, Director

573.751.2551
Fax: 573.751.6555
1.888.ASK MODOT (275.6636)

October 29, 2014

Mr. Ari Yarovinski
Air Emission Specialist
St. Louis County Health Department
Air Pollution Control Program
6121 N Hanley Road
Berkeley, MO 63134

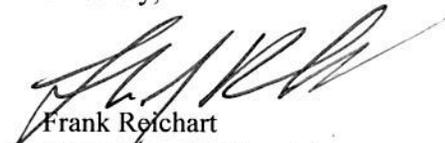
Re: Page Maintenance Lot – Salt Shed & Brine Shed

Mr. Yarovinski:

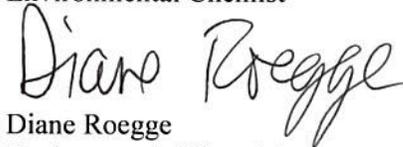
We are providing you with additional information to accompany the asbestos survey report for the property located at 11300 Lackland Road, Maryland Heights MO 63043.

This property consists of two structures. The first structure is a 5-bay salt shed. The salt shed is of concrete and wood-frame construction and was built 1977 and has an area of approximately 2,500 square feet. The second structure is attached to the salt shed on the north end and is a brine shed on a concrete slab foundation. The brine shed is of wood-frame construction. The brine shed was built circa 2000 and has an area of approximately 170 square feet.

Sincerely,



Frank Reichart
Environmental Chemist



Diane Roegge
Environmental Chemist

