



MEMORANDUM

Missouri Department of Transportation Construction and Materials Central Laboratory

TO: Allen Lane-SL/gs

COPY:

FROM: Frank Reichart *FR*
Environmental Chemist

DATE: May 1, 2015

SUBJECT: Materials
Asbestos Inspection & Heavy Metal Paint Survey
Route I-64 OR
Job No. CF21501A
Parcel Ballas MT Lot-Salt Dome Roofing Project
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/shareddocuments/asbestos/districts/st louis \(sl\)/misc/fr1505012.docx](http://sharepoint/systemdelivery/cm/chemicallab/environmental/shareddocuments/asbestos/districts/st%20louis%20(sl)/misc/fr1505012.docx)

Attachments

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS

Asbestos Survey Report

Nonfriable Asbestos-Containing Materials

(Abatement not required if not made friable during demolition.)

ROUTE:

I-64 OR

MODOT JOB NO.:

CF21501A

DISTRICT:

$$\overline{SL}$$

COUNTY:

St Louis

DATE OF TESTS:

May 1, 2015

PARCEL NO.:

Ballas MT Lot-Salt Dome Roof Project

Frank Reichart and Diane Roegge

7118110514MOIR11239, F.R.

7118110514MOIR7165, D.R.

12001 N Forty Drive, Town & Country 63131

Wooden/Concrete Salt Dome

[illegible]

All necessary work to handle this material is the contractor's responsibility.

INf = Category I Nonfriable

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS

Asbestos Survey Report
All materials requiring removal or special handling:

ROUTE:	I-64 OR	TESTED BY:	Frank Reichart and Diane Roegge
MODOT JOB NO.:	CE21501A	CERTIFICATION #:	7118110514MOIR1239, F.R.
DISTRICT:	SL	CERTIFICATION #:	7118110514MOIR7165, D.R.
COUNTY:	St Louis	SITE ADDRESS:	12001 N Forty Drive, Town & Country 63131
DATE OF TESTS:	May 1, 2015	TYPE(S) OF STRUCTURE(S):	Wooden/Concrete Salt Dome
PARCEL NO.:	Ballas MT Lot-Salt Dome Roof Project		

[illegible]

MISSOURI DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIALS

Metals Survey Report of Painted Concrete, Block, Brick Surfaces for Clean Fill Purposes

ROUTE:

I-64 OR

MODOT JOB NO.:

CF21501A

DISTRICT:

 $\overline{\text{SL}}$

COUNTY: _____

St Louis

SURVEYED BY:

Frank Reichart

DATE OF SURVEY:

April 30, 2015

TESTED BY:

N/A

DATE OF TESTS:

$$\overline{N/A}$$

PARCEL NO.:

Ballas MT Lot-Salt Dome Roof Project

SITE ADDRESS:

12001 N Forty Drive, Town & Country 63131

TYPE(S) OF STRUCTURE(S):

Wooden/Concrete Salt Dome

[illegible]

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

Missouri Department of Transportation
Roberta Broeker, Interim Director

573.751.2551
Fax: 573.751.6555
1.888.ASK MODOT (275.6636)

May 1, 2015

Mr. Ari Yarovinski
Air Emission Specialist
St. Louis County Health Department
Air Pollution Control Program
74 Clarkson Wilson Centre
Chesterfield, MO 63017

Re: Ballas Maintenance Shed – Salt Dome Roofing Project (CF21501A)

Mr. Yarovinski:

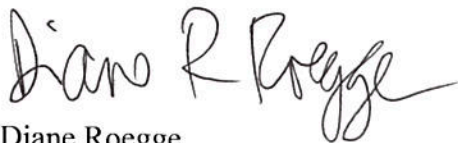
We are providing you with additional information to accompany the asbestos survey report for the property located at 12001 North Forty Drive, Town and Country, Missouri 63131.

This project impacts one structure. The structure is a conical salt storage dome. The building has concrete lower walls with remainder wood-frame construction and was built in 1990 and has an area of approximately 3,800 square feet.

Sincerely,



Frank Reichart
Environmental Chemist



Diane Roegge
Environmental Chemist



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

Tested For: Allen Lane-SL/gs Project #: CF21501A Parcel: Ballas-Salt Dome
1590 Woodlake Drive Route: OR I-64 County: St. Louis
Chesterfield, MO 63017
 Sampled 04/30/2015 Received 05/30/2015 Completed 05/01/2015 Reported 05/01/2015

TEST REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

Sample ID:	15MFJR090*	15MFJR091*		
Material Type	Asphalt Roofing Shingle	Asphalt Felt Material		
Appearance (Color/Texture)	Lt Gray/Ash Agg & Fbrs	Cream/Ashed Fluff		
Homogeneous?	Yes No	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	55-80	95-99		
Calcite				
Gypsum				
Granular Materials	10-25			
Other (specify, if known)		1-5		
TOTAL % NONFIBROUS	80-90	100		

REMARKS: (deviations/departures from test method and/or sampling procedure)

*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 R. Breyer
Environmental Chemist

NVLAP

NVLAP LAB CODE 200544-0

Paul J. Senneker
Chemical Laboratory Director

