MEMORANDUM



Missouri Department of Transportation Construction and Materials Central Laboratory

TO:

Allen Lane-SL/gs

COPY:

FROM:

Frank Reichart

Environmental Chemist

DATE:

July 14, 2014

SUBJECT:

Materials

Asbestos Inspection & Heavy Metal Paint Survey

Route I-44OR Job No. N/A

Parcel Gray Summit MT Lot Salt Dome

Franklin 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/fr1407142.docx Attachments

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

ROUTE: MODOT JOB NO.: DISTRICT: COUNTY: DATE OF SURVEY: PARCEL NO.:	1-44 OR N/A SL Franklin July 7, 2014 Gray Summit MT Lot	SURVEYED BY: CERTIFICATION #: SITE ADDRESS: TYPE(S) OF STRUCTURE(S)	SURVEYED BY: CERTIFICATION #: SITE ADDRESS: TYPE(S) OF STRUCTURE(S): Wood Frame Salt Dome on Concrete Foundation	te Foundation	
	Stay Summin Fire Box			Friability	Field
14MFJR 119	Asphalt Roofing Shingles	Roof, 1 st Layer	THE COLUMN	N-ACM	Transar c
14MFJR 120	Asphalt Felt Material	Roof, 2 nd Layer		N-ACM	
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	8				
	NOTE: This report is limited to the salt dome, as requested. It does not include any other structures at this site.	e, as requested. It does not include an	ny other structures at this site.		

MISSOURI DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS

Asbestos Survey Report
Nonfriable Asbestos-Containing Materials
(Abatement not required if not made friable during demolition.)

ROUTE: MODOT JOB NO.: DISTRICT: COUNTY:	I-44 OR N/A SL Franklin	TESTED BY: CERTIFICATION #: SITE ADDRESS: TYPE(S) OF STRUCTURE(S):	Diane Roegge 7118120313MOIR7165 3463 West Osage, Pacific 63069 Wood Frame Salt Dome on Concrete Foundation	IR7165 e, Pacific of the Dome or	13069 Concrete Fou	ndation	
PARCEL NO.:	Gray Summit MT Lot						
Sample ID	Type of Material	Location of Material	Fri Ca	Friability Category	Field Measure	Asbestos Type	Percen
		None Located	I	INF			
		7					
7							
			X				
N	OTF. This mont is limited to the self de		241	3			
N N	NOTE: This report is limited to the salt dome, as requested.	ome, as requested. It does not include any other	any other				
stri	structures at this site.						

MISSOURI DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS

Asbestos Survey Report
All materials requiring removal or special handling.

DATE OF TESTS: July 10, 2014	Franklin TYPE(S) OF STRUCTU	SITE ADDRESS:	MODOT JOB NO.: N/A CERTIFICATION #:	I-44 OR TESTED BY:	
	TURE(S): Wood Frame Salt Dome on Concrete Fo	3463 West Osage, Pacific 63069	7118120313MOIR7165	Diane Roegge	B

Gray Summit MT Lot ındation

							 			0					
					2										Bid Item No.
															Sample ID
include any other structures at	NOTE: This report is limited			738.1	74				P.S.						Type of Material
this site.	NOTE: This report is limited to the salt dome, as requested. It does not												None Located	None Located	Location of Material
													II NF	Ħ	Friability Category
															Field Measure
										84					Asbestos Type
															Percent

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

	ROUTE: MODOT JOB NO.: DISTRICT: COUNTY: SURVEYED BY: DATE OF SURVEY:
	I-44 OR N/A SL Franklin Frank Reichart July 7, 2014
	TESTED BY: DATE OF TESTS: PARCEL NO.: SITE ADDRESS: TYPE(S) OF STRUCTURE(S):
Metals (ppm)	TESTED BY: N/A N/A PARCEL NO.: SITE ADDRESS: TYPE(S) OF STRUCTURE(S): N/A Gray Summit MT Lot 3463 West Osage, Pacific 63069 Wood Frame Salt Dome on Concrete Foundation

				NO							Sample ID	
this site.	requested. It does not include any other structures at	NOTE: This report is limited to the salt dome, as		×						No samples taken. No painted surfaces located.	Color/Location of Material/Substrate	
				01							As	
			00			0.5					Cr	
											Рь	
											Cd	Metals (ppm)
		172	. 90	14							Se	tals im)
				ж							Ва	
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											Ag	