



October 25, 2024

Diane Czarnecki
Industrial Hygienist
Facilities Management Division
GSA Public Buildings Service – Heartland Region
2300 Main Street
Kansas City, MO 64108

Re: Goodfellow Federal Center – Building 105, Semiannual Resampling, Wipe Sampling
Project No. 121244

Dear Ms. Czarnecki:

Thank you for the opportunity to provide the General Services Administration (GSA) with the above referenced environmental sampling activities. The following is our report.

INTRODUCTION

As requested, Burns & McDonnell conducted dust wipe sampling and testing for RCRA Metals on the second floor of Building 105 in the Goodfellow Federal Center located at 4300 Goodfellow Boulevard in St. Louis, Missouri. During the June Semiannual Air and Wipe Sampling Event, a hand railing in the southeast stairwell between the first and second floors of Building 105 exceeded the lead Clean Area Limit of 10 micrograms per square foot ($\mu\text{g}/\text{sq. ft.}$). The affected area was resampled on October 10, 2024 by Ashley Anstaett of Burns & McDonnell.

DUST WIPE SAMPLING FOR LEAD

Dust wipe sampling was conducted in accordance with ASTM Standard E1728: *Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Lead Determination* and ASTM Standard D6966: *Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Determination of Metals*. ASTM Standards E1728 and D6966 are consistent with the methodology described in the Housing and Urban Development Guidelines-Appendix 13.1 and 40 CFR 745.63. The Brookhaven National Laboratory's Surface Wipe Sampling Procedure (IH75190) was also used as a guideline.

Wipe sampling for target metals was conducted on the impacted surface identified during the June Semiannual Air and Wipe Sampling event. A representative surface area was measured and delineated. The dust wipe samples were collected using dedicated dust wipe cloths meeting ASTM standards. Each dust wipe cloth was pre-moistened and individually wrapped. Each sample was collected by wiping in a back and forth "S" pattern over a measured sampling area. Then, the wipe was folded over itself and the area was wiped again in a direction perpendicular to the first wipe orientation. Then, the wipe was folded over itself and the perimeter of the area was wiped. The wipe samples were then placed into labeled, sealed containers. Dust wipe samples were submitted to Environmental Hazards Services, LLC (EHS) in Richmond, Virginia



Diane Czamecki
Facilities Management Division
October 25, 2024
Page 2

for Inductively Coupled Plasma (ICP) analysis of metals analysis using Environmental Protection Agency (EPA) method SW846 3050B/6010D. EHS is accredited under the American Industrial Hygiene Association (AIHA) Laboratory Accreditation Program (LAP) identification number LAP-100420.

One (1) dust wipe sample was collected from the hand railing in the southeast stairwell of Building 105. A total of two (2) samples were obtained including one (1) field blank sample.

All analytes were below their respective Clean Area Limits.

The complete laboratory report is presented in Appendix A.


LIMITATIONS

The scope of this assessment was limited in nature. Burns & McDonnell collected samples from a representative number of surfaces in an effort to minimize cost while providing a general overview of site conditions. Sample locations do not encompass all equipment surfaces at the site. Additionally, samples were only analyzed for a select number of potential contaminants likely to affect the surfaces. Burns & McDonnell is not responsible for potential contaminants not identified in this report.

Burns & McDonnell appreciates the opportunity to work with GSA on this project. Please contact us if you have any questions regarding this report or if we may be of any additional service.

Sincerely,

(b) (6)

A large black rectangular redaction box covering the signature area.

Matt Shanahan, CHMM
Project Manager

Attachments:

Appendix A - Laboratory Report



Diane Czarnecki
Facilities Management Division
October 25, 2024
Page 3

Information in Appendix A is not accessible for people using screen reader technology. If this information is required, it can be furnished upon request by contacting 816-223-6198 or r6environmental@gsa.gov.

APPENDIX A – LABORATORY REPORT



7469 Whitepine Rd
North Chesterfield, VA 23237
Telephone: 800.347.4010

Wipe Metals Analysis Report

Client: Burns & McDonnell Engineering
9400 Ward Pkwy.
Kansas City, MO 64114

Report Number: 24-10-03616

Received Date: 10/17/2024

Analyzed Date: 10/18/2024

Reported Date: 10/21/2024

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.

Client Number:

26-3514

Laboratory Results

Fax Number:

816-822-3494

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
24-10-03616-001	105-W-01	Arsenic (As)		<2.50	---	L01
		Barium (Ba)		<0.500	---	L01
		Cadmium (Cd)		<0.100	---	L01
		Chromium (Cr)		<1.00	---	L01
		Lead (Pb)		<0.500	---	L01
		Selenium (Se)		<2.50	---	L01
24-10-03616-002	105-W-02	Silver (Ag)		<0.500	---	L01
		Arsenic (As)	1.00	<2.50	<2.5	L01
		Barium (Ba)	1.00	2.63	2.6	L01
		Cadmium (Cd)	1.00	<0.100	<0.10	L01
		Chromium (Cr)	1.00	<1.00	<1.0	L01

Environmental Hazards Services, L.L.C

Client Number: 26-3514

Report Number: 24-10-03616

Project/Test Address: 168765; GFC; 4300 Goodfellow Blvd.

Lab Sample Number	Client Sample Number	Analyte:	Wipe Area (ft ²)	Total Metal (ug)	Concentration (ug/ft ²)	Narrative ID
		Lead (Pb)	1.00	0.630	0.63	L01
		Selenium (Se)	1.00	<2.50	<2.5	L01
		Silver (Ag)	1.00	<0.500	<0.50	L01

Sample Narratives:

L01: LCS and LCSD percent recovery for Se were outside of acceptance limits.

Analyst: Carlos Gonzalez

Method: EPA SW846 3050B/6010D

(b) (6)

Reviewed By Authorized Signatory:

Tasha Eaddy

QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contains less than the reporting limit based on a 50mL volume. The reporting limit for Lead is 0.5ug.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. These sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C.

Legend	ug = microgram	ug/ft ² = micrograms per square foot
	mL = milliliter	ft ² = square foot

ENVIRONMENTAL HAZARDS SERVICES, LLC

Metals Chain of Custody Form

Pg 1 of 1

Company Name		Burns & McDonnell				Account #		26-3514			
Company Address		9400 Ward Parkway				City/State/Zip		Kansas City, MO 64114			
Phone		314-636-233-1270				Email		eapulcher@burnsmcd.com			
Project Name / Testing Address		GFC / 4300 Goodfellow Blvd									
PO Number		168765				Collected By		A. Anstett			
Turn-Around Time		<input checked="" type="radio"/> 5 DAY <input type="radio"/> 3 DAY <input type="radio"/> 2 DAY <input type="radio"/> 1 DAY <input type="radio"/> SAME DAY OR WEEKEND - Must Call Ahead									

LAB NUMBER	Client Sample ID	Collection Date & Time	METALS						Other Metals	PARTICULATES					AIR			WIPES AREA Circle The Unit of Measurement Used cm or <u>in</u>	
			Pb TCLP	TCLP RCRA 8	RCRA 8 Total	Toxic Metal Profile	Welding Fume Profile	TX 11 TCLP		CA 17 Total	Total Nuisance Dust	Respirable Dust	TSP Gravimetric	TSP Pb	PM-10	Total Time	Flow Rate		Vol.
																Mins.	L/min.		Total Liters
1	105-W-01	10/11 1208							Ag, As, Ba, Cd, Cr, Pb, Se										NA x NA
2	105-W-02	10/11 1210							1										3 x 48
3																			x
4																			x
5																			x
6																			x
7																			x
8																			x
9																			x
10																			x
11																			x
12																			x
13																			x
14																			x
15																			x

Released By:	A. Anstett				Date:	10/15/24		Time:	1030	
Signature:	(b) (6)									

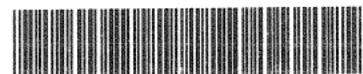
LAB USE ONLY – BELOW THIS LINE

Received By: HHemphrey
 Signature: (b) (6)
 Date: 10/17/24 Time: 1:07 ☐ AM ☒ PM

☐ Portal Contact Added

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010
 RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

24-10-03616



Due Date:
 10/24/2024
 (Thursday)
 EL MM-L