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North Kansas City, Missouri 64117  
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November 11, 2019

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

**RE: Side-by-Side Environmental Sampling Report – Gate 5 Guard Shack**  
Goodfellow Federal Center  
4300 Goodfellow Boulevard, St. Louis, MO 63120  
Project Number: 919103

Ms. Czarnecki,

In response to an ongoing Occupational Safety and Health Administration (OSHA) inspection of the Goodfellow Federal Center (GFC) located at the above referenced address, OCCU-TEC Inc. (OCCU-TEC) was contracted by the General Services Administration (GSA) to collect representative environmental samples from various locations throughout the building. OCCU-TEC was instructed to collect samples for the same contaminants at approximately half of the same locations as the OSHA inspector.

OCCU-TEC collected samples from the Gate 5 Guard Shack on October 3, 2019. The air samples were analyzed for Asbestos. The settled dust samples were collected for Arsenic, Cadmium, and Lead. These analyses mirrored the OSHA inspector's samples.

All results were less the laboratory limit of detection.

The samples collected were only indicative of the time of the sample and were not collected as 8-hour TWA for comparison to the OSHA permissible exposure limits (PELs). Analytical results from the independent laboratory are attached.

Please note that the results of this investigation are only applicable to the time of sampling and the current activities being completed at the time of sampling. Conditions at the site may have changed resulting in higher or lower concentrations that were not measured during this investigation. This report has been prepared for the sole use of the GSA. Use by other parties is expressly forbidden without the expressed written consent of the GSA and OCCU-TEC.

OCCU-TEC appreciates the opportunity to provide the GSA with the above references sampling services. If you have any questions, please contact us at (816) 231-5580.

Sincerely,

(b) (6)

Jeff T. Smith  
Senior Project Manager

(b) (6)

Kevin Heriford  
Operations Manager (QA/QC)



# ASBESTOS IN AIR RESULTS





# Airborne Fiber Analysis

By Phase Contrast Microscopy  
NIOSH 7400, Issue 2, (A Counting Rules)



**Customer:** OCCU-TEC Inc.  
2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117

**Attn:** Jeff Smith

**Lab Order ID:** 71926060

**Analysis ID:** 1926060\_PCM

**Date Received:** 10/8/2019

**Project:** 919103.001 GFC OSHA Gate 5

**Date Reported:** 10/14/2019

Sample ID	Description	Volume	Fibers	Filter	LOD	Conc.
Lab Sample ID	Lab Notes	Filter Area	Fields	(Fibers / mm <sup>2</sup> )	(Fibers / cc)	(Fibers / cc)
Gate5-Asb-01	Gate 5 - Guard Shack	542 L	< 5.5	< 7.0	0.0050	< 0.0050
71926060PCM_1		385 mm <sup>2</sup>	100			
Gate5-Asb-02	Field Blank	0 L	< 5.5	< 7.0	N/A	N/A
71926060PCM_2		385 mm <sup>2</sup>	100			
Gate5-Asb-03	Field Blank	0 L	< 5.5	< 7.0	N/A	N/A
71926060PCM_3		385 mm <sup>2</sup>	100			

This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by AIHA or any other agency of the U.S. government. Scientific Analytical Institute participates in the AIHA IHPAT program. IHPAT Laboratory ID: 173190 Unless otherwise noted blank sample correction was not performed on analytical results. Analytical uncertainty available upon request. (Laboratory precision: Sr: 0.45

Philip Szabo (3)

(b) (6)

Analyst

Approved Signatory



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

Lab Use Only  
 Lab Order ID: 71926000  
 Client Code: \_\_\_\_\_

Company Contact Information	
Company: OCCU-TEC Inc.	Contact: Jeff Smith
Address: 2604 NE Industrial Drive Suite, 230	Phone [ ]:
North Kansas City, MO 64117	Fax [ ]:
	Email [ ]: jsmith@ocuta.com
Billing/Invoice Information	
Turn Around Times	
Company: Same	90 Min. [ ] 48 Hours [ ]
Contact:	3 Hours [ ] 72 Hours [ ]
Address:	6 Hours [ ] 96 Hours [ ]
	12 Hours [ ] 120 Hours [x]
	24 Hours [ ] 144+ Hours [ ]

Asbestos Test Types	
PLM EPA 600/R-93/116 (PLM)	<input type="checkbox"/>
Positive stop	<input type="checkbox"/>
PLM Point Count 400 (PT4)	<input type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input checked="" type="checkbox"/>
B Rules (PCB) <input type="checkbox"/>	TWA (PTA) <input type="checkbox"/>
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-02	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>

PO Number:
Project Name/Number: 919103.001 GFC OSHA Gate 5

Sample ID #	Description/Location	Volume/Area	Comments
Gate 5-Asb-01	Gate 5 - Guard Shack	542 L	
Gate 5-Asb-02	Field Blank	-	
Gate 5-Asb-03	Field Blank	-	
			Accepted <input checked="" type="checkbox"/>
			Rejected <input type="checkbox"/>

Total # of Samples 3

Relinquished by	Date/Time	Received by	Date/Time
(b) (6)	10-7-19 19:00	(b) (6)	10/8 10:30A

# **METALS IN SETTLED DUST RESULTS**





# Dust Wipe Metals Concentration by Inductively-Coupled Plasma Analysis (ICP)

NIOSH 7300/EPA SW-846 3050B



<b>Client:</b>	OCCU-TEC Inc. 2604 NE Industrial Drive, Suite 230 North Kansas City, MO 64117	<b>Attn:</b>	Justin Arnold	<b>Lab Order ID:</b>	71926061
				<b>Date Received:</b>	10/08/2019
<b>Project:</b>	919103 – Gate 5 Guard Shack			<b>Date Reported:</b>	10/11/2019
				<b>Page:</b>	1 of 1

Sample ID	Description	Area (ft <sup>2</sup> )	*Element	Reporting Limit (µg)	Concentration (µg)	Concentration (µg/ft <sup>2</sup> )
<i>Lab Sample ID</i>	<i>Lab Notes</i>					
Gate5-PbW-01	Floor – NW – Corner	1	As	0.50	< 0.50	< 0.50
			Cd	0.10	< 0.10	< 0.10
71926061IPW_1			Pb	0.50	< 0.50	< 0.50
Gate5-PbW-02	Field Blank	-	As	0.50	< 0.50	-
			Cd	0.10	< 0.10	-
71926061IPW_2			Pb	0.50	< 0.50	-

Melissa Ferrell

**Analyst**

(b) (6)

**Lab Director**

\* SAI is AIHA ELLAP accredited for Pb only for dust wipe metals.

Unless otherwise noted blank sample correction was not performed on analytical results. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. MDLs are available upon request. Time-weighted average (TWA) calculations are based on customer supplied data and valid only for samples included in the specified TWA group. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190.

