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,

Jeff T. Smith
Senior Project Manager

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

**Project:** 919103.001 GFC OSHA Gate 5

**Attn:** Jeff Smith  
**Lab Order ID:** 71926060  
**Analysis ID:** 1926060_PCM  
**Date Received:** 10/8/2019  
**Date Reported:** 10/14/2019

### Sample ID Details

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Volume</th>
<th>Fibers</th>
<th>Filter Area</th>
<th>LOD</th>
<th>Conc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gate5-Asb-01</td>
<td>Gate 5 - Guard Shack</td>
<td>542 L</td>
<td>&lt; 5.5</td>
<td>&lt; 7.0</td>
<td>0.0050</td>
<td>&lt; 0.0050</td>
</tr>
<tr>
<td>71926060PCM_1</td>
<td></td>
<td>385 mm²</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate5-Asb-02</td>
<td>Field Blank</td>
<td>0 L</td>
<td>&lt; 5.5</td>
<td>&lt; 7.0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>71926060PCM_2</td>
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<td>385 mm²</td>
<td>100</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Gate5-Asb-03</td>
<td>Field Blank</td>
<td>0 L</td>
<td>&lt; 5.5</td>
<td>&lt; 7.0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>71926060PCM_3</td>
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<td>385 mm²</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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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

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Philip Szabo (3)

**Scientific Analytical Institute, Inc.**  
4604 Dundas Dr. Greensboro, NC 27407  
(336) 292-3888

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H-F-013 EXP. 7-15-19
### Company Contact Information

**Company:** OCCU-TEC Inc.  
**Address:** 2604 NE Industrial Drive Suite, 230  
North Kansas City, MO 64117  
**Phone:**  
**Fax:**  
**Email:** jsmitc@oncta.com

### Billing/Invoice Information

<table>
<thead>
<tr>
<th>Turn Around Times</th>
<th>Company: Same</th>
<th>90 Min.</th>
<th>48 Hours</th>
<th>3 Hours</th>
<th>72 Hours</th>
<th>6 Hours</th>
<th>96 Hours</th>
<th>12 Hours</th>
<th>120 Hours</th>
<th>24 Hours</th>
<th>144+ Hours</th>
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</thead>
</table>

### PO Number:

**Project Name/Number:** 919103.001 GFC OSHA  
**Client Code:**

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### Asbestos Test Types

- PLM EPA 600/R-93/16 (PLM)
- PLM Point Count 400 (PT4)
- PLM Point Count 1000 (PTM)
- PCM NIOSH 7400-A Rules (PCM)
- B Rules (PCB)
- TWA (PTA)
- TEM AHERA (AHE)
- TEM Level II (LII)
- TEM NIOSH 7402 (TNI)
- TEM Bulk Qualitative (TBL)
- TEM Bulk Chatfield (TBS)
- TEM Bulk Quantitative (TBJ)
- TEM Wipe ASTM D6480-05
- TEM Microvac ASTM D3575-02
- TEM Water EPA 106.2 (TWI)
- Other:

### Sample ID #

<table>
<thead>
<tr>
<th>Sample ID #</th>
<th>Description/Location</th>
<th>Volume/Area</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gate S-Asb-01</td>
<td>Gate S-Guard Shack</td>
<td>542 l</td>
<td></td>
</tr>
<tr>
<td>Gate S-Asb-02</td>
<td>Field Block</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Gate S-Asb-03</td>
<td>Field Block</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

**Total # of Samples:** 3

### Received by

- **Date/Time:** 10-7-19 1500  
- **Relinquished by:** (b) (6)

### Accepted

- **Date/Time:** 10/8 10:30 AM
- **Received by:** (b) (6)

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**Page 1 of 1**

A-F-017 EXP. 04/2021
METALS IN SETTLED DUST RESULTS
### Dust Wipe Metals Concentration by Inductively-Coupled Plasma Analysis (ICP)

**Client:** OCCU-TEC Inc.  
2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117  
Project: 919103 – Gate 5 Guard Shack

**Attn:** Justin Arnold  
Lab Order ID: 71926061  
Date Received: 10/08/2019  
Date Reported: 10/11/2019

**Client:** OCCU-TEC Inc.  
2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117  
Project: 919103 – Gate 5 Guard Shack

**Attn:** Justin Arnold  
Lab Order ID: 71926061  
Date Received: 10/08/2019  
Date Reported: 10/11/2019

**Client:** OCCU-TEC Inc.  
2604 NE Industrial Drive, Suite 230  
North Kansas City, MO 64117  
Project: 919103 – Gate 5 Guard Shack

**Attn:** Justin Arnold  
Lab Order ID: 71926061  
Date Received: 10/08/2019  
Date Reported: 10/11/2019

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Area (ft²)</th>
<th>*Element</th>
<th>Reporting Limit (µg)</th>
<th>Concentration (µg)</th>
<th>Concentration (µg/ft²)</th>
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</thead>
<tbody>
<tr>
<td>Gate5-PbW-01</td>
<td>Floor – NW – Corner</td>
<td>1</td>
<td>As</td>
<td>0.50</td>
<td>&lt; 0.50</td>
<td>&lt; 0.50</td>
</tr>
<tr>
<td>Gate5-PbW-01</td>
<td>Floor – NW – Corner</td>
<td>1</td>
<td>Cd</td>
<td>0.10</td>
<td>&lt; 0.10</td>
<td>&lt; 0.10</td>
</tr>
<tr>
<td>Gate5-PbW-02</td>
<td>Field Blank</td>
<td>-</td>
<td>As</td>
<td>0.50</td>
<td>&lt; 0.50</td>
<td>-</td>
</tr>
<tr>
<td>Gate5-PbW-01</td>
<td>Floor – NW – Corner</td>
<td>1</td>
<td>Cd</td>
<td>0.10</td>
<td>&lt; 0.10</td>
<td>-</td>
</tr>
<tr>
<td>Gate5-PbW-02</td>
<td>Field Blank</td>
<td>-</td>
<td>Pb</td>
<td>0.50</td>
<td>&lt; 0.50</td>
<td>-</td>
</tr>
</tbody>
</table>

* 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.

Melissa Ferrell  
Analyst

(b) (6)  
Lab Director

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407  (336) 292-3888

I-F-005 EXP: 2/28/2020
Company Contact Information

Company: Occu-Tec
Address: 2004 NE Industrial Drive
City: Kansas City, MO 64117
Contact: Justin Arnold
Phone:
Fax:
Email: jarnold@occutec.com

Billing/Invoice Information

PO Number:
Project Name/Number: 919103 - Gate S Guard Shack

Industrial Hygiene Test Types

Silica as Alpha Quartz*
Silica as Cristobalite*
Silica as Tridymite*
Silica as Alpha Quartz, Cristobalite, Tridymite*

Include Respirable Dust

Silica Bulk*
Bulk Phase ID/Whole Rock
SAI Method H-501-003
Total Dust
NIOSH Method 9500
Respirable Dust
NIOSH Method 6000
PCM NIOSH 7400 (Fibers)

TEM NIOSH 7402 (Asbestos)
Hexavalent Chromium (OSHA ID:215)
(Note if from spray paint operations)
Metals (NIOSH 7800) (Specify Metals Under Comments)
Other

Sample ID #
Gate S - Pbw-01
Gate S - Pbw-02

Description/Location
Floor - NW - Corner
Field Blank

Volume/Area
1 SF

Comments (List Metals Here)
As, Cd, Pb

Accepted
Rejected

Total # of Samples
2

Relinquished by
(b) (6)
Date/Time
10-7-19 15:00

Received by
(b) (6)
Date/Time
10/31 10:30A

Page 1 of 1
A-F-018-01 EXP 12-1-13