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 – Bldg. 110
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 Building 110 on October 14, 2019. The air samples were analyzed for Asbestos, and Lead. Settled dust samples were analyzed for Lead.

Results indicated detectible levels of Lead dust in two of the settled dust samples. All samples collected ranged <2.0 micrograms per square foot (μg/sf) to 8.8 μg/sf for lead.

The samples collected were only indicative of the time of the sample and were not collected as 8-hour Time Weighted Average (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,

Justin Arnold, CIEC  
Project Manager  

Kevin Heriford  
Operations Manager (QA/QC)
ASBESTOS (PCM) 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:** GFC 110 OSHA

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<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Volume</th>
<th>Fibers</th>
<th>Filter ( Fibers / mm² )</th>
<th>LOD ( Fibers / cc )</th>
<th>Conc. ( Fibers / cc )</th>
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</thead>
<tbody>
<tr>
<td>110-ASB-003</td>
<td>2nd Floor @ L12-L13</td>
<td>412 L</td>
<td>&lt; 5.5</td>
<td>&lt; 7.0</td>
<td>0.0065</td>
<td>&lt; 0.0065</td>
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<td>Filter Area: 385 mm²</td>
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<tr>
<td>110-ASB-005</td>
<td>1st Floor @ 89</td>
<td>402 L</td>
<td>&lt; 5.5</td>
<td>&lt; 7.0</td>
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<td>&lt; 0.0067</td>
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<td>Filter Area: 385 mm²</td>
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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 hours)

Sharon Donald (2)

**Analyst**

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

H-F-013 EXP. 7-15-19

**Approved Signatory**
**Company Contact Information**

- **Company**: OCCU-TEC Inc
- **Address**: 2604 NE Industrial # 260
- **Phone**: 816-935-0628
- **Fax**: 816-994-5460
- **Contact**: Kevin Heford

**Asbestos Test Types**

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Description</th>
<th>Selected</th>
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<tbody>
<tr>
<td>PLM EPA 600/R-93/116 (PLM)</td>
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<tr>
<td>Positive stop</td>
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<tr>
<td>PLM Point Count 400 (PT4)</td>
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<td>PLM Point Count 1000 (PTM)</td>
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<tr>
<td>PCM NIOSH 7400-A Rules (PCM)</td>
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<td>X</td>
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<tr>
<td>B Rules (PCB)</td>
<td></td>
<td></td>
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<tr>
<td>TWA (PTA)</td>
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<td>TEM AHERA (AHE)</td>
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<tr>
<td>TEM Level 1 (LII)</td>
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<td>TEM NIOSH 7402 (TNI)</td>
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<td>TEM Bulk Qualitative (TBL)</td>
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<td>TEM Bulk Chartfield (TBQ)</td>
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<td>TEM Wipe ASTM D6480-05</td>
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<td>TEM Microvac ASTM D5755-02</td>
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<td>TEM Water EPA 100.2 (TWI)</td>
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<td>Other:</td>
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**Billing/Invoice Information**

- **Company**: Same
- **Contact**: ApCoccute.com

**Turn Around Times**

- 90 Min. | 48 Hours
- 3 Hours | 72 Hours
- 6 Hours | 96 Hours
- 12 Hours | 120 Hours
- 24 Hours | 144 Hours

**PO Number**: 919103

**Project Name/Number**: GFC 110 OSHA

**Sample ID #**

<table>
<thead>
<tr>
<th>Sample ID #</th>
<th>Location</th>
<th>Volume/Area</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>110-ASB-003</td>
<td>2nd Floor E, L12-L13</td>
<td>412 L</td>
<td>Accepted</td>
</tr>
<tr>
<td>110-ASB-005</td>
<td>1st Floor, 89</td>
<td>402 L</td>
<td>Rejected</td>
</tr>
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**Total # of Samples**: 

**Relinquished by**: (b) (6) 10-14-19 (6:00)

**Received by**: (b) (6) 10/15 10:30 A
LEAD IN AIR RESULTS
**Analysis for Airborne Lead Concentration**
by Flame Atomic Absorption Spectroscopy
NIOSH 7082

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

Attn: Kevin Heriford

Lab Order ID: 71926490
Analysis ID: 71926490_PBA
Date Received: 10/15/2019
Date Reported: 10/15/2019

Project: GFC-Build 110-OSHA

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Volume (m³)</th>
<th>Concentration (µg)</th>
<th>Concentration (µg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-Pb-01</td>
<td>M14-M15 2nd Floor</td>
<td>0.438</td>
<td>&lt; 0.80</td>
<td>&lt; 1.8</td>
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<tr>
<td>110-Pb-02</td>
<td>H11 2nd Floor</td>
<td>0.432</td>
<td>&lt; 0.80</td>
<td>&lt; 1.9</td>
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<tr>
<td>110-Pb-04</td>
<td>E11 1st Floor</td>
<td>0.442</td>
<td>&lt; 0.80</td>
<td>&lt; 1.8</td>
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<td>71926490PBA_3</td>
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</table>

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program, ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 10ml sample is 0.80µg Total Pb).

Melissa Ferrell (3)  
Analyst  
Scientific Analytical Institute, Inc.  4604 Dundas Dr. Greensboro, NC 27407  (336) 292-3888  
(b) (6)  
Laboratory Director
**Lab Use Only**
Lab Order ID: 7/920490
Client Code: 

### Contact Information

**Company Name:** Occu-TEC, Inc  
**Address:** 2604 NE Industrial Dr Suite 230  
North Kansas City, MO 64117  
**Contact:** Kevin Heriford  
**Phone:** 816 - 825 0628  
**Fax:** 816 - 994-3400  
**Email:** Kheriford@occu-tec.com  
**PO Number:** 919103  
**Project Name/Number:** OFC - Build 110 - OSHA

### Lead Test Types

- Paint Chips by Flame AA  
- Soil by Flame AA  
- Wipe by Flame AA  
- Air by Flame AA

### Turn Around Times

- 3 Hours  
- 6 Hours  
- 12 Hours  
- 24 Hours  
- 48 Hours  
- 72 Hours  
- 96 Hours  
- 120 Hours  
- 144+ Hours

### Sample Information

<table>
<thead>
<tr>
<th>Sample ID #</th>
<th>Description/Location</th>
<th>Volume/Area</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>110-P8-01</td>
<td>M14 - M15 2nd Floor</td>
<td>437 L</td>
<td></td>
</tr>
<tr>
<td>110-P6-02</td>
<td>H11 2nd Floor</td>
<td>432 L</td>
<td></td>
</tr>
<tr>
<td>110-P6-04</td>
<td>E11 1st Floor</td>
<td>492 L</td>
<td></td>
</tr>
<tr>
<td>110-W-06</td>
<td>E11 Conference Rm table</td>
<td>1 SF</td>
<td></td>
</tr>
<tr>
<td>110-W-07</td>
<td>K13 1st Fl Light Fixture</td>
<td>2&quot; x 24&quot;</td>
<td></td>
</tr>
<tr>
<td>110-W-08</td>
<td>P12 1st Fl Window Ledge</td>
<td>1 SF</td>
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</tr>
<tr>
<td>110-W-09</td>
<td>L11 2nd Partitions</td>
<td>1 SF</td>
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<tr>
<td>110-W-10</td>
<td>E16 1st Top of Refrigerator</td>
<td>1 SF</td>
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Total Number of Samples: [ ]

**Accepted** [✓]

**Rejected** [ ]

**Relinquished by** (b) (6)  
**Date/Time** 10/11/19 1600

**Received by** (b) (6)  
**Date/Time** 10/15/19 10:30
LEAD IN SETTLED DUST RESULTS
### Analysis for Lead Concentration in Wipe Samples

**by Flame Atomic Absorption Spectroscopy**

EPA SW-846 3050B/6010C/7000B

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

**Attn:** Kevin Heriford

**Lab Order ID:** 71926492  
**Analysis ID:** 71926492_PBW

**Date Reported:** 10/15/2019  
**Date Received:** 10/15/2019

**Project:** GFC-Build 110-OSHA

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**Lab Notes**

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<th>Sample ID</th>
<th>Description</th>
<th>Area (ft²)</th>
<th>Concentration (µg)</th>
<th>Concentration (µg/ft²)</th>
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<td>E11 Conference Rm Table</td>
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<td>&lt; 2.0</td>
<td>&lt; 2.0</td>
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<td></td>
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<tr>
<td>110-W-07</td>
<td>K13 1st Fl Light Fixture</td>
<td>0.333</td>
<td>2.9</td>
<td>8.8</td>
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<tr>
<td>71926492PBW_2</td>
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<tr>
<td>110-W-08</td>
<td>P12 1st Fl Window Ledge</td>
<td>1</td>
<td>&lt; 2.0</td>
<td>&lt; 2.0</td>
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<td>71926492PBW_3</td>
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<tr>
<td>110-W-09</td>
<td>L11 2nd Partition</td>
<td>1</td>
<td>&lt; 2.0</td>
<td>&lt; 2.0</td>
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<td>71926492PBW_4</td>
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<tr>
<td>110-W-10</td>
<td>E16 1st Top of Refrigerator</td>
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<td>71926492PBW_5</td>
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---

Melissa Ferrell (5)  
**Analyst**

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

(b) (6)  
**Laboratory Director**

Page 1 of 1
# Contact Information

**Company:** Occu-TEC, Inc  
**Address:** 4604 NE Industrial Dr Suite 230 North Kansas City, MO 64117  
**Contact:** Kevin Heriford  
**Phone:** 816-825-0628  
**Fax:** 816-994-3460  
**Email:** kheriford@occutech.com  
**PO Number:** 919103  
**Project Name/Number:** GFC - Build 110-OSHA

# Lead Test Types

- Paint chips by Flame AA  
- Soil by Flame AA  
- Other  
- Wipe by Flame AA  
- Air by Flame AA  
- Other

# Billing/Invoice Information

**Company:** Same  
**Address:**  
**Contact:**  
**Phone:**  
**Fax:**  
**Email:**

# Turn Around Times

- 3 Hours  
- 6 Hours  
- 12 Hours  
- 24 Hours  
- 48 Hours (Standard)

# Sample ID #

<table>
<thead>
<tr>
<th>Sample ID #</th>
<th>Description/Location</th>
<th>Volume/Area</th>
<th>Comments</th>
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<tbody>
<tr>
<td>110-P6-01</td>
<td>M14 - M15 2nd Floor</td>
<td>437 L</td>
<td></td>
</tr>
<tr>
<td>110-P6-02</td>
<td>H11 2nd Floor</td>
<td>432 L</td>
<td></td>
</tr>
<tr>
<td>110-P6-04</td>
<td>E11 1st Floor</td>
<td>442 L</td>
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</tr>
<tr>
<td>110-W-06</td>
<td>E11 Conference Room</td>
<td>1 SF</td>
<td></td>
</tr>
<tr>
<td>110-W-07</td>
<td>K13 1st Fl Light Fixture</td>
<td>2' x 24'</td>
<td></td>
</tr>
<tr>
<td>110-W-09</td>
<td>P12 1st Fl Window Lodge</td>
<td>1 SF</td>
<td></td>
</tr>
<tr>
<td>110-W-10</td>
<td>E16 2nd Partition</td>
<td>1 SF</td>
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<tr>
<td></td>
<td>E16 1st Top of Refrigerator</td>
<td>1 SF</td>
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</tr>
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# Total Number of Samples

- Accepted: [ ]  
- Rejected: [x]

**Relinquished by:** (b) (6)  
**Date/Time:** 10/14/19 1600  
**Received by:** (b) (6)  
**Date/Time:** 10/15/19 10:30