

Riverside, MO 64150 Telephone: 816.231.5580 Fax: 816.231.5641 www.occutec.com

October 22, 2018

Diane Czarnecki
Industrial Hygienist
Facilities Management Division
GSA Public Buildings Service - Heartland Region
U.S. General Services Administration
2300 Main Street, Kansas City, MO 64108

RE: Goodfellow Federal Center
Metals in Settled Dust Sampling – Building 102E
4300 Goodfellow Boulevard
St. Louis, Missouri 63120
OCCU-TEC Project No. 918004.002

Dear Ms. Czarnecki:

Thank you for the opportunity to assist the General Services Administration (GSA) with the metals in settled dust sampling investigation of Building 102E located at the Goodfellow Federal Center (GFC) in St. Louis, Missouri. OCCU-TEC Inc. (OCCU-TEC) understands that the purpose of the investigation was to provide additional sampling data of existing environmental conditions that are present at GFC that could adversely impact the health and safety of building occupants as well as workers at the facility. The following report summarizes the sample collection activities and the laboratory analytical results of samples submitted.

On September 13, 2018, a team of OCCU-TEC personnel, including a Missouri licensed lead risk assessor, conducted settled dust sampling for the presence of seven of the Resource Conservation and Recovery Act (RCRA) target metals (lead, arsenic, barium, cadmium, total chromium, selenium, and silver) from various surfaces within mechanical rooms, basements, penthouses, stairwells leading to and from basements or penthouses, and the sub-floor below the raised flooring. The purpose of this testing was to further characterize the presence and concentration of target metals in areas of the buildings that have had little or no previous testing.

The proposed sampling scheme, the number of samples, the sample distribution and general methodology was developed by GSA and OCCU-TEC. Specific sample locations were determined by OCCU-TEC personnel while on-site.

Metals in Settled Dust Sampling

Metals in settled dust sampling was conducted within mechanical rooms, basements, penthouses, stairwells leading to and from basements or penthouses, and the sub-floor below raised flooring.

Dust wipe sampling was conducted in accordance with ASTM Standard E1728-16: Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Lead Determination. ASTM Standard E1728-16 is consistent with the methodology described in the Housing and Urban Development Guidelines and 40 CRF 745.63. The Brookhaven National Laboratory's Surface Wipe Sampling Procedure (IH75190) was also used as a guideline.

Dust wipe sampling for the target metals was conducted on a variety of representative surfaces that have the potential of being disturbed during routine janitorial work, and planned maintenance or renovation projects within the building. A representative surface area of approximately one square foot (1 SF) was measured and delineated with prefabricated, disposable templates. 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. The wipe samples were then placed into labeled, clean laboratory-supplied plastic centrifuge tubes with screw on caps. Dust wipe samples were submitted to Scientific Analytical Institute, Inc. (SAI) in Greensboro, North Carolina for Inductively Coupled Plasma (ICP) analysis of metals analysis using Environmental Protection Agency (EPA) method SW846 350B/7420.

Results of the dust wipe samples collected from the building indicate that all the eight (8) samples contained concentrations of target metals above laboratory detection limits. The following table identifies the range of results for each of the seven metals that were analyzed. Samples with a "<" sign indicate that the results were below the reportable limit.

| Analysis | Lowest | Highest |
|----------------|---------------|-------------------|
| | Concentration | Concentration |
| | (µg/sq. ft.) | $(\mu g/sq. ft.)$ |
| Silver | < 0.15 | 1.10 |
| Arsenic | < 0.25 | < 2.50 |
| Barium | 3.10 | 190.00 |
| Cadmium | 0.18 | 43.00 |
| Total Chromium | 0.38 | 17.00 |
| Lead | 1.70 | 510.00 |
| Selenium | < 2.50 | <13.00 |

^{*} Please note, these results may indicate higher than expected reporting limits due to interferences from other metals. Please refer to the laboratory reports for specific information.

Many of the samples collected contained target metals above the Brookhaven recommended levels. Based on the results of the sampling, all the subject building areas should be presumed to contain measurable levels of RCRA metals and proper precautions should be taken upon entry and exit of the subject areas to protect workers and limit the spread of dust to the outside environment.

OCCU-TEC appreciates the opportunity to work with GSA on this project. If you have any questions concerning this report, or if we may be of any additional service, please feel free to contact us.

Sincerely,

(b) (6)

Jeff T. Smith Senior Project Manager (b) (6)

Kevin Heriford Project Manager (QA/QC)

Appendices:

A - Sample Summary Table

B - Laboratory Analysis Reports

C - Licenses

Appendix A Sample Summary Table

| | Goodfellow Federal Ce | nter - Building # 102 | 2E - Wipe San | nple Data | | |
|---------------|---------------------------------|----------------------------------|---------------|------------------|--------------------|-----------------------|
| Sample Number | Location | Area Description | Analyte | Result | Units | Recommended Limits |
| | | | Silver | 0.58 | μg/ft² | * 139/9.3 |
| | | | Arsenic | < 2.50 | μg/ft² | ** 62 |
| | 2nd Floor - North Mechanical | | Barium | 39.00 | μg/ft ² | |
| 102E-01 | | Floor | Cadmium | 1.20 | μg/ft² | ** 31 |
| | Room | | Chromium | 9.00 | μg/ft² | |
| | | | Lead | 210.00 | μg/ft² | ** 200/40 |
| | | | Selenium | < 2.50 | μg/ft² | |
| | | | Silver | < 0.15 | μg/ft² | * 139/9.3 |
| | | | Arsenic | < 0.25 | μg/ft² | ** 62 |
| | | | Barium | 4.10 | μg/ft² | |
| 102E-02 | 1st Floor - North Stairwell | Floor | Cadmium | 0.21 | μg/ft² | ** 31 |
| | | | Chromium | 0.57 | μg/ft ² | |
| | | | Lead | 1.70 | μg/ft ² | ** 200/40 |
| | | | Selenium | < 2.50 | μg/ft ² | |
| | | | Silver | < 0.15 | μg/ft ² | * 139/9.3 |
| | Room 104 - by phone closet | Floor (under raised flooring) | Arsenic | < 1.30 | μg/ft ² | ** 62 |
| | | | Barium | 63.00 | μg/ft ² | 02 |
| 102E-03 | | | Cadmium | 6.10 | | ** 31 |
| 102L-03 | | | Chromium | 14.00 | μg/ft ² | . 31 |
| | | | | 510.00 | μg/ft ² | ** 200/40 |
| | | | Lead | ·+ <mark></mark> | μg/ft ² | ** 200/40 |
| | | | Selenium | < 2.50 | μg/ft ² | |
| | | | Silver | < 0.15 | μg/ft² | * 139/9.3 |
| | | | Arsenic | < 1.30 | μg/ft² | ** 62 |
| | 1st Floor - Old Fleet Manager's | Floor (under raised | Barium | 37.00 | μg/ft² | |
| 102E-04 | Office | flooring) | Cadmium | 43.00 | μg/ft² | ** 31 |
| | | 110011115/ | Chromium | 17.00 | μg/ft² | |
| | | | Lead | 150.00 | μg/ft² | ** 200/40 |
| | | | Selenium | < 13.00 | μg/ft² | |
| | | | Silver | 1.10 | μg/ft² | * 139/9.3 |
| | | | Arsenic | < 1.30 | μg/ft² | ** 62 |
| | 1st Floor - South Mechanical | | Barium | 49.00 | μg/ft² | |
| 102E-05 | Room | Floor | Cadmium | 1.50 | μg/ft² | ** 31 |
| | Koom | | Chromium | 5.60 | μg/ft² | |
| | | | Lead | 39.00 | μg/ft² | ** 200/40 |
| | | | Selenium | < 2.50 | μg/ft² | |
| | | | Silver | < 0.15 | μg/ft ² | * 139/9.3 |
| | | | Arsenic | < 0.25 | μg/ft ² | ** 62 |
| | | | Barium | 3.10 | μg/ft ² | |
| 102E-06 | South Stairwell - bottom | Floor | Cadmium | 0.18 | μg/ft ² | ** 31 |
| 1011 00 | landing | | Chromium | 0.38 | | 31 |
| | | | | + | μg/ft ² | ** 200/40 |
| | | | Lead | 4.10 | μg/ft ² | ** 200/40 |
| | | , | Selenium | < 2.50 | μg/ft² | Ì |

| Sample Number | Location | Area Description | Analyte | Result | Units | Recommended Limits |
|---------------|----------------------------------|------------------|----------|--------|--------|-----------------------|
| | | | Silver | < 0.15 | μg/ft² | * 139/9.3 |
| | | | Arsenic | < 0.25 | μg/ft² | ** 62 |
| | | | Barium | 190.00 | μg/ft² | |
| 102E-07 | South Stairwell - middle landing | Floor | Cadmium | 0.39 | μg/ft² | ** 31 |
| | | | Chromium | 11.00 | μg/ft² | |
| | | | Lead | 150.00 | μg/ft² | ** 200/40 |
| | | | Selenium | < 2.50 | μg/ft² | |
| | South Stairwell - top landing | Floor | Silver | < 0.15 | μg/ft² | * 139/9.3 |
| | | | Arsenic | < 0.25 | μg/ft² | ** 62 |
| | | | Barium | 33.00 | μg/ft² | |
| 102E-08 | | | Cadmium | 0.33 | μg/ft² | ** 31 |
| | | | Chromium | 3.50 | μg/ft² | |
| | | | Lead | 84.00 | μg/ft² | ** 200/40 |
| | | | Selenium | < 2.50 | μg/ft² | |
| | | | Silver | < 0.15 | μg/ft² | * 139/9.3 |
| | | | Arsenic | < 0.25 | μg/ft² | ** 62 |
| | | | Barium | 0.71 | μg/ft² | |
| 102E-09 | Field Blank | | Cadmium | < 0.05 | μg/ft² | ** 31 |
| | | | Chromium | < 0.10 | μg/ft² | |
| | | | Lead | 0.31 | μg/ft² | ** 200/40 |
| | | | Selenium | < 2.50 | μg/ft² | |

^{*} Recommended Limits based on Table 3 (BNL Surface Wipe Criteria for Metals) of the Brookhaven Surface Wipe Sampling Procedure (IH75190), Rev 19: 3/4/14

^{**} Recommended Limits based on Attachment 9.3 (Required & Recommended Surface Wipe Criteria) - Brookhaven Surface Wipe Sampling Procedure (IH75190), Rev 23: 6/23/17 Indicates results at or above REL

Appendix B

Laboratory Analytical Reports



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





Client: Occu-Tec, Inc.

100 NW Business Park Ln.

Riverside, MO 64150 Project: 918004.002 Bldg 102 E Attn: Justin Arnold

Lab Order ID: Date Received: 51824370 09/20/2018

Date Reported:

10/16/2018

Page: 1 of 3

| Sample ID | Description | Area | | Reporting | Concentration | Concentration |
|----------------|---|--------------------|----------|---------------|--------------------|-----------------------|
| Lab Sample ID | Lab Notes | (ft ²) | *Element | Limit (µg) | Concentration (μg) | (μg/ft ²) |
| | | | Ag | 0.15 | 0.58 | 0.58 |
| | | | As* | 2.5 | < 2.5 | < 2.5 |
| 102E-01 | Floor – 2 nd Fl Mech. Room | | Ba | 0.50 | 39 | 39 |
| | | 1 | Cd | 0.050 | 1.2 | 1.2 |
| | | | Cr | 0.10 | 9.0 | 9.0 |
| 51824370IPW_1 | | | Pb | 5.0 | 210 | 210 |
| 318243/01PW_1 | | | Se | 2.5 | < 2.5 | < 2.5 |
| | | | Ag | 0.15 | < 0.15 | < 0.15 |
| | | | As | 0.25 | < 0.25 | < 0.25 |
| 102E-02 | Floor – 1 st Fl N Stairwell | N 1 | Ba | 0.050 | 4.1 | 4.1 |
| | | | Cd | 0.050 | 0.21 | 0.21 |
| | | | Cr | 0.10 | 0.57 | 0.57 |
| 510242701DW 2 | | | Pb | 0.25 | 1.7 | 1.7 |
| 51824370IPW_2 | | | Se | 2.5 | < 2.5 | < 2.5 |
| | | | Ag | 0.15 | < 0.15 | < 0.15 |
| | Room 104 – | | As* | 1.3 | < 1.3 | < 1.3 |
| 102E-03 | under raised | | Ba | 0.50 | 63 | 63 |
| | floor | 1 | Cd | 0.050 | 6.1 | 6.1 |
| | | | Cr | 0.50 | 14 | 14 |
| 510242701DH/ 2 | | | Pb | 5.0 | 510 | 510 |
| 51824370IPW_3 | | | Se | 2.5 | < 2.5 | < 2.5 |

^{*}As – elevated RL possibly due to high levels of Pd interference

Melissa Ferrell

Analyst

Lab Director

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.

^{*} SAI is AIHA ELLAP accredited for Pb only for dust wipe metals.



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





Client: Occu-Tec, Inc.

100 NW Business Park Ln.

Riverside, MO 64150
Project: 918004.002 Bldg 102 E

Attn: Justin Arnold

Lab Order ID: Date Received: 51824370 09/20/2018

Date Received:

Date Reported:

09/20/2018 10/16/2018

Page: 2 of 3

| Sample ID | Description | Area | | Reporting | Concentration | Concentration |
|----------------|---|--------------------|----------|---------------|--------------------|-----------------------|
| Lab Sample ID | Lab Notes | (ft ²) | *Element | Limit (µg) | Concentration (μg) | (μg/ft ²) |
| | | | Ag | 0.15 | < 0.15 | < 0.15 |
| | Old Fleet Mgr | | As* | 1.3 | < 1.3 | < 1.3 |
| 102E-04 | Office – under | | Ba | 0.50 | 37 | 37 |
| | raised floor | 1 | Cd | 0.50 | 43 | 43 |
| | | | Cr | 0.50 | 17 | 17 |
| 51824370IPW_4 | | | Pb | 2.5 | 150 | 150 |
| 316243701F W_4 | | | Se* | 13 | < 13 | < 13 |
| | | | Ag | 0.15 | 1.1 | 1.1 |
| | | 1 | As* | 1.3 | < 1.3 | < 1.3 |
| 102E-05 | Floor – 1 st Fl – S Mech Room | | Ba | 1.0 | 49 | 49 |
| | | | Cd | 0.050 | 1.5 | 1.5 |
| | | | Cr | 0.10 | 5.6 | 5.6 |
| 51824370IPW_5 | | | Pb | 0.25 | 39 | 39 |
| 316243701FW_3 | | | Se | 2.5 | < 2.5 | < 2.5 |
| | | | Ag | 0.15 | < 0.15 | < 0.15 |
| | | | As | 0.25 | < 0.25 | < 0.25 |
| 102E-06 | S. Stairwell - bottom | | Ba | 0.050 | 3.1 | 3.1 |
| | | 1 | Cd | 0.050 | 0.18 | 0.18 |
| | | | Cr | 0.10 | 0.38 | 0.38 |
| 51824370IPW_6 | | | Pb | 0.25 | 4.1 | 4.1 |
| 516245/UIFW_0 | | | Se | 2.5 | < 2.5 | < 2.5 |

^{*}As – elevated RL possibly due to high levels of Pd interference

Melissa Ferrell

Analyst

Lab Director

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.

^{*}Se - elevated RL possibly due to high levels of Al interference

^{*} SAI is AIHA ELLAP accredited for Pb only for dust wipe metals.



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





Client: Occu-Tec, Inc.

100 NW Business Park Ln.

Riverside, MO 64150
Project: 918004.002 Bldg 102 E

Attn: Justin Arnold

Lab Order ID: Date Received: 51824370

Date Received:
Date Reported:

09/20/2018 10/16/2018

Page: 3 of 3

| Sample ID | Description | Area | | Reporting | Concentration | Concentration | |
|----------------|-----------------------|--------------------|----------|---------------|---------------|-----------------------|--|
| Lab Sample ID | Lab Notes | (ft ²) | *Element | Limit (µg) | (µg) | (μg/ft ²) | |
| | | | Ag | 0.15 | < 0.15 | < 0.15 | |
| | | | As | 0.25 | < 0.25 | < 0.25 | |
| 102E-07 | S. Stairwell – middle | | Ba | 5.0 | 190 | 190 | |
| | | 1 | Cd | 0.050 | 0.39 | 0.39 | |
| | | | Cr | 0.10 | 11 | 11 | |
| 51824370IPW_7 | | | Pb | 2.5 | 150 | 150 | |
| 31024370H W_7 | | | Se | 2.5 | < 2.5 | < 2.5 | |
| | | | Ag | 0.15 | < 0.15 | < 0.15 | |
| | | | As | 0.25 | < 0.25 | < 0.25 | |
| 102E-08 | S. Stairwell - top | 1 | Ba | 0.50 | 33 | 33 | |
| | | | Cd | 0.050 | 0.33 | 0.33 | |
| | | | Cr | 0.10 | 3.5 | 3.5 | |
| 51824370IPW_8 | | | Pb | 2.5 | 84 | 84 | |
| 318243701F W_8 | | | Se | 2.5 | < 2.5 | < 2.5 | |
| | | | Ag | 0.15 | < 0.15 | - | |
| | | | As | 0.25 | < 0.25 | - | |
| 102E-09 | Field Blank | | Ba | 0.050 | 0.71 | - | |
| | | - | Cd | 0.050 | < 0.050 | - | |
| | | | Cr | 0.10 | < 0.10 | - | |
| 51824370IPW_9 | | | Pb | 0.25 | 0.31 | - | |
| 510245701FW_9 | | | Se | 2.5 | < 2.5 | - | |

| Melissa Ferrell | (b) (6) |
|-----------------|--------------|
| Analyst | Lab Director |

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.

^{*} SAI is AIHA ELLAP accredited for Pb only for dust wipe metals.



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

| Lab Use Only | 510011270 |
|----------------|-----------|
| Lab Order ID: | 01877010 |
| Client Code: _ | |

| Company Con | tact Information | | | Industrial Hygiene Test Typ | pes |
|--|--|--|--|--|--|
| Company: OCCU- | | Contact: Justin Arno | /ld | Silica as Alpha Quartz (XSZ)* | |
| * * * | | | | With Respirable Dust (XDZ) Silica as Cristobalite (XSC)* | |
| Address: 100 NV | V Business Park Lane | Phone : 816-810- | 3276 | With Respirable Dust (XDC) | |
| Riversi | de, Mo 64150 | Fax □:816-994-3478 | | Silica as Tridymite (XST)* Use With Respirable Dust (XDT) | |
| | | Email :jarnold@occu | itec.com | Silica as Alpha Quartz, Cristobalite, Tridymi | ite |
| | | | | With Respirable Dust (XDA) | |
| Billing/Invoice | Information | Turn Around | Times^ | Silica Bulk (XSI)* | |
| SAME | | 90 Min. | ours 🗌 | Bulk Phase ID/Whole Rock (XUK) | |
| Company: | | 3 Hours | ours 🗌 | Total Dust NIOSH Method 0500 (GTD) | |
| Contact: | | 6 Hours | ours 🗌 | Respirable Dust NIOSH Method 0600 (GRD) | |
| Address: | | 12 Hours | Hours | PCM NIOSH 7400-A Rules (PCM) | |
| | | | Hours 🔳 | B Rules (PCB) TWA (PTA) | |
| | | TATs not available for certa | in test types | TEM NIOSH 7402 (Asbestos) (TNI) | |
| PO Number: | | | | Hexavalent Chromium (OSHA ID-215) (Note if from spray paint operations) | |
| Project Name/Nu | mber:918004.002 Blob | 10ZE | | Metals (NIOSH 7300) (Specify Metals Under Comments) | |
| | | / | | Other 6010 C | X |
| | | 100 | | * Modified NIOSH 7500/OSHA ID 142 | ? |
| r. | | | | | |
| Sample ID # | Description/L | ocation | Volume/Ar | ea Comments | |
| Sample ID # | Description/I | Location | Volume/Ar | * | Se |
| • | | | Over | Ag, As, Ba, Cd, Cr, Pb, | |
| 10ZE -01 | Floor - 2nd Fl | Mach. Rosm | 1 SF | Ag, As, Ba, Cd, Cr, Pb, | , Se |
| 102E -01 102E -02 | Floor - 2nd Fl Floor - 1st Fl | Mach Rosm V Starwell | 1 SF 1 SF | Ag, As, Ba, Cd, Cr, Pb, Ag, As, Ba, Cd, Cr, Pb, Ag, As, Ba, Cd, Cr, Pb, | , Se , Se |
| 10ZE -01 | Floor - 2nd Fl Floor - 1st Fl I Room 104 - under | Mach Room V Stairwell raised floor | 1 SF | Ag, As, Ba, Cd, Cr, Pb, | , Se , Se , Se |
| 102E -01 102E -02 102E -03 102E -04 | Floor - 2nd Fl Floor - 1st Fl I Room 104 - under Old Fleet page Office | Mach Rosm V Stairwell raised floor - under vaised floor | 1 SF 1 SF | Ag, As, Ba, Cd, Cr, Pb, | , Se , Se , Se |
| 102E -01 102E -02 102E -03 | Floor - 2nd Fl Floor - 1st Fl I Room 104 - under OW Fleet May Office Floor - 1st Fl - S | Mach Room V Starwell raised floor - unda vassed floor Mech Room | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, | , Se , Se , Se , Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under OH Fleet prop Office Floor - 1st Fl - S S. Starwell - | Mech Room V Stair Well raised floor - unda vaised floor Mech Room bottom | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, | , Se , Se , Se , Se , Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 102E -07 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under Old Fleet page Office Floor - 1st Fl - S S. Stanwell - S. Stanwell - | Mech. Room V Stairwell raised floor under vaised floor Mech Room bottom middle | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, | , Se , Se , Se , Se , Se , Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under Old Fleet propr Office Floor - 1st Fl - S S. Starwell - S. Starwell - S. Starwell - S. Starwell - | Mach Room V Stairwell raised floor - under varsed floor Mech Room bottom middle top | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, | , Se , Se , Se , Se , Se , Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 102E -07 102E -08 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under Old Fleet page Office Floor - 1st Fl - S S. Stanwell - S. Stanwell - | Mech Room V Stairwell raised floor - unda vaised flow Mech Room bottom middle top | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, | , Se , Se , Se , Se , Se , Se , Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 102E -07 102E -08 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under Old Fleet propr Office Floor - 1st Fl - S S. Starwell - S. Starwell - S. Starwell - S. Starwell - | Mech Room V Starwell raised floor - unda varsed floor Mech Room bottom middle fop | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, | Se, |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 102E -07 102E -08 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under Old Fleet propr Office Floor - 1st Fl - S S. Starwell - S. Starwell - S. Starwell - S. Starwell - | Mech Room V Stairwell raised floor - unda vaised flow Mech Room bottom middle top | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, | Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 102E -07 102E -08 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under Old Fleet propr Office Floor - 1st Fl - S S. Starwell - S. Starwell - S. Starwell - S. Starwell - | Mech Room V Starwell raised floor - unda varsed floor Mech Room bottom middle fop | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, | Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 102E -07 102E -08 102E -09 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under Old Fleet page Office Floor - 1st Fl - S S. Stanwell - S. Stanwell - S. Stanwell - Field Blank | Mech Room V Stairwell raised floor - unda vaised floor Mech Room bottom middle top C Rejected Parented Time | / SF / SF / SF / SF | Ag, As, Ba, Cd, Cr, Pb, Total # of Samples | Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 102E -07 102E -08 102E -09 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under Old Fleet propr Office Floor - 1st Fl - S S. Starwell - S. Starwell - S. Starwell - Freld Blank | Mech Rosm V Stairwell raised floor - unda vaised floor Mech Room bottom middle fop Rejected Rejected | 1 SF 1 SF 1 SF 1 SF 1 SF 1 SF | Ag, As, Ba, Cd, Cr, Pb, Total # of Samples | Se |
| 102E -01 102E -02 102E -03 102E -04 102E -05 102E -06 102E -07 102E -08 102E -09 | Floor - 2nd Fl Floor - 1st Fl Room 104 - under OH Fleet Man Office Floor - 1st Fl - S S. Starwell - S. Starwell - S. Starwell - Fre Id Blank Date | Mech Room V Stairwell raised floor - unda vaised floor Mech Room bottom middle top C Rejected Parented Time | 1 SF 1 SF 1 SF 1 SF 1 SF 1 SF | Ag, As, Ba, Cd, Cr, Pb, Total # of Samples | Se |

Appendix C Qualifications and Licenses

STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Jeffrey T. Smith

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

Lead Risk Assessor Category of License

Issuance Date:

3/16/2017

Expiration Date:

3/16/2019

License Number:

010316-200089640



(b) (6)

Randall W. Williams, MD, FACOG
Acting Director
Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102