

March 2021

In our ongoing effort to inform tenants about the [Goodfellow Environmental Project](#), the following provides recent updates on the [Goodfellow Federal Center](#).

Recent sampling results

Campus-wide air sampling

Between Nov. 30 and Dec. 11, 2020, 157 air samples were collected throughout 14 buildings at the complex. The testing was part of GSA's periodic sampling for airborne levels of heavy metals by taking air samples inside tenant spaces at least twice a year. Samples were analyzed for 7 heavy metals: arsenic, barium, cadmium, chromium, lead, selenium, and silver. **Two of the lead samples were over the [World Health Organization guidelines](#) threshold of 1.0 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) of air, which is significantly less than the [OSHA threshold](#).**

- In Building 103, 1 sample resulted in a lead level of $10 \mu\text{g}/\text{m}^3$. The sample was collected in the pipe chase closet on the 2nd Floor by Column H33. This area is accessed by contractors only and was added to the list of restricted areas, which require an accepted Site-Specific Safety Plan prior to GSA allowing access.
- In Building 105, reportable levels of lead were found in 2 samples from two laboratory rooms on the second floor, 320 and 358. These resulted in concentrations below the WHO guideline of 1.0 (0.63 and $0.36 \mu\text{g}/\text{m}^3$ of lead, respectively). The sample from 320 also resulted in a concentration of $1.9 \mu\text{g}/\text{m}^3$ of barium. There are currently no guidelines for barium in the air except OSHA occupational limits. GSA uses an action limit of $50 \mu\text{g}/\text{m}^3$ which is ten times less than the OSHA limit. Since the levels were below the action level, no further action is required at this time.
- In Building 107, 1 sample resulted in a lead level of $1.4 \mu\text{g}/\text{m}^3$. The sample was collected in the GSA DCD Conference Room. The room was re-cleaned and another air sample was collected. No levels were detected after cleaning. Routine cleaning of this room will be continued.
- No reportable levels of arsenic, barium, cadmium, chromium, lead, selenium, or silver were found in the remaining 153 samples.

The full sampling reports are available at gsa.gov/goodfellowreadingroom.

Campus-wide wipe sampling

Between Nov. 30 and Dec. 11, 2020, 163 wipe samples were collected from random interior locations throughout 14 buildings at the complex. **Floors, surfaces not routinely cleaned, and areas accessed only by contractors were the focus of this sampling.** Samples were analyzed for 7 target metals: arsenic, barium, cadmium, chromium, lead, selenium, and silver. Although some OSHA standards contain housekeeping provisions which address the issue of surface contamination, there currently are no OSHA surface contamination criteria. Instead, a rigorous housekeeping program is necessary to ensure surface contamination is kept to a minimum.

As shown in [Table 1](#) below, 54 samples exceeded contaminant level thresholds. GSA Region 6 follows the [EPA action level](#) of 10 micrograms of lead per square foot ($\mu\text{g}/\text{ft}^2$). Of the 134 samples that had detectable levels of lead, **54 of them exceeded the EPA action level.** [Table 2](#) below shows the breakdown of locations of the exceedances, and [Table 3](#) below shows them by location. Of these 54 samples, 23 were taken from tenant-occupied, common and unoccupied spaces: 18 from floors, 3 from furnishing surfaces, and 2 from window sills.

There was one sample with cadmium above the action level. This sample was collected from a restricted area where no further action is required. Of the remaining samples, **there was 1 sample with silver above the action level** located on the floor of the 2nd Floor north stairwell, mid-landing in Building 107. This stairwell is scheduled to be cleaned and resampled.

The full sampling reports are available at gsa.gov/goodfellowreadingroom.

GSA is reviewing the cleaning procedures and working with the custodial contractor to deep-clean impacted spaces. Levels of contaminants will continue to be monitored after subsequent cleaning of impacted spaces. Results of the follow-up sampling will be posted at gsa.gov/goodfellowreadingroom, and notifications will be emailed to affected tenant contacts. Further action to prevent the spread of contaminants within the spaces, as well as from the buildings, may include placement of sticky mats at entrances and exits to spaces and building entrances and exits.

GSA Region 6 Environmental Team

gsa.gov/goodfellow | [Online Reading Room](#)



Table 1

Floors, surfaces not routinely cleaned, and areas accessed only by contractors were the focus of this sampling.

Total number of samples = 163	Silver	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium
Number of samples with detectable amounts	26	34	152	91	85	134	0
Number of samples over threshold	1	0	0	1	0	54	0

Table 2

Locations of samples above lead thresholds	Number in tenant-occupied, common, and unoccupied spaces	Number in mechanical spaces
Floor samples with lead above 10 µg/ft ² target	18	28
Window sill samples with lead above 10 µg/ft ² target	2	1
Furnishing surfaces with lead above 10 µg/ft ² target	3	2

Table 3

Floors, surfaces not routinely cleaned, and areas accessed only by contractors were the focus of this sampling.

Location use	Bldg. #	Sample location	Sample description	Lead concentration (µg/ft ²)	Notes
Unoccupied	102E	South stairwell, roof level	Stair tread	70	
Unoccupied	105	1st Floor, Column C52	Floor, loading dock	15	
Unoccupied	105	1st Floor, Column 448	Floor, warehouse	220	
Tenant-occupied	103D	1st Floor, clinic storage room	Floor, along east wall	13	
Tenant-occupied	104	2nd Floor, at Column F50	Break room, top of cabinet	740	
Tenant-occupied	105	2nd Floor, Lab 337	Floor, under north cabinets	16	
Tenant-occupied	105	2nd Floor, Lab 320 (gas storage)	Floor, along north wall	180	
Tenant-occupied	105	2nd Floor, at Column F33	Concrete floor under carpet	280	
Tenant-occupied	105F	2nd Floor, office area	Concrete subfloor	1,000	
Tenant-occupied	105F	2nd Floor, office area	Window sill, south	11	
Common space	103	1st Floor, by Column B33	Freight elevator threshold	19	
Common space	103E	2nd Floor	Floor, near Column P25	190	
Common space	104	2nd Floor, at Column J15	Stairwell landing	93	
Common space	104	2nd Floor, at Column B17	Floor, freight elevator	46	
Common space	104F	1st Floor, north lobby	Base of stairs	12	
Common space	105	Freight elevator, Column B16	Floor, freight elevator car	51	
Common space	105L	Back stage access	Floor, west side	16	
Common space	105L	Sound room	Bottom shelf	64	
Common space	107	2nd Floor, north stairwell	Floor, mid-landing	39	Silver 63 µg/ft ² ; above threshold
Common space	110	1st Floor at Column B4	Table in warehouse	21	

Location use	Bldg. #	Sample location	Sample description	Lead concentration (µg/ft ²)	Notes
Common space	110	1st Floor at Column G8	Floor	51	
Common space	115	Main area, south end	Window sill, high	110	
Common space	115	Top of stairs	Floor	48	
Mechanical space*	102E	1st Floor south mechanical room	Floor, northwest corner	53	
Mechanical space*	102E	2nd Floor elevator mechanical room	Floor, northeast corner	100	
Mechanical space*	103	1st Floor mech. room at Column B34	Floor, southeast corner	77	
Mechanical space*	103	Penthouse near Column B32	Floor, west door	41	
Mechanical space*	103	Basement	Floor, west entrance	260	
Mechanical space*	103D	Basement	Floor, beneath pedestals	810	
Mechanical space*	103D	Penthouse	Floor, top of stairs	420	
Mechanical space*	103E	Roof level	Stairwell	130	
Mechanical space*	104	Penthouse at Column B44	Stairwell landing	42	
Mechanical space*	104	Penthouse at Column B44	Floor	310	
Mechanical space*	104	Penthouse at Column B44	Elevator equipment room, desk	18	
Mechanical space*	104	Basement at Column J27	Stairwell floor	13	
Mechanical space*	104	Basement at Column G27	Floor	490	
Mechanical space*	104E	Basement	Floor, along south wall	340	
Mechanical space*	104E	Penthouse	Floor	47	
Mechanical space*	104E	Penthouse	Floor, north stairwell	20	
Mechanical space*	104E	2nd Floor mechanical room	Window sill, south	300	
Mechanical space*	104F	Basement	Floor, pipe chase area	2,700	Cadmium 36 µg/ft ² ; above threshold
Mechanical space*	104F	Penthouse	Landing outside of door	27	
Mechanical space*	104F	Penthouse	Floor, inside door	260	
Mechanical space*	105	Penthouse B	Floor, along east wall	68	
Mechanical space*	105	Penthouse B	Floor, mid-landing of stairwell	16	
Mechanical space*	105	Basement	Floor, north end of south access	1,100	
Mechanical space*	105F	Basement	Floor, center	950	
Mechanical space*	105F	2nd Floor, stairwell to southeast penthouse	2nd stair tread, upper section	30	
Mechanical space*	105L	Mechanical room	Floor, near AHU-1	15	
Mechanical space*	107	Basement	Floor, near decoration storage	94	
Mechanical space*	110	Basement, chiller room	Table surface	54	
Mechanical space*	110	Basement at Column F4	Floor	460	
Mechanical space*	110	Basement, northwest stairwell	Landing on basement level	260	
Mechanical space*	110	ICE/JV warehouse	Floor, at base of northeast stairs	770	

*Accessed by facility contractors only