

INTRODUCTION TO JUNE 2020

WIPE SAMPLING REPORTS

The following reports are from a sampling event in June 2020 where wipe samples were collected from surfaces at representative interior locations throughout the Goodfellow Federal Center. Floors and surfaces not routinely cleaned were the focus of this sampling. A total of 178 wipe samples, plus 21 blanks, were collected from within 17 buildings. Samples were analyzed for seven target metals: arsenic, barium, cadmium, chromium, lead, selenium, and silver, resulting in 1,246 data points. The testing was part of GSA's periodic check for surface levels of heavy metals within building spaces.

Seventeen percent of the total data points had levels above the reporting limit for the analytical method. Detectable levels of the target metals were found in samples as follows: 8 of arsenic; 93 of barium; 12 of cadmium; 39 of chromium; 63 of lead, 2 of silver and none of selenium. Barium and lead were found in samples in all 17 buildings.

Although some OSHA standards contain housekeeping provisions which address the issue of surface contamination, there are currently no OSHA surface contamination criteria. Instead, a rigorous housekeeping program is necessary to ensure surface contamination is kept to a minimum. GSA has followed the [Brookhaven National Laboratory's guidelines \(Attachment 9.3\)](#) for surface contamination criteria, as well as the Housing and Urban Development's guidelines ([HUD lead guidelines](#)) for lead under their grant program. The samples with detectable arsenic, cadmium, and chromium were all below these criteria. Brookhaven does not provide guidance on surface levels for barium or silver. The full sampling reports are available at gsa.gov/goodfellowreadingroom. The sampling data demonstrate that enhanced cleaning is one of the effective methods in managing the settled dust in areas where it is being performed. Contrarily, areas not under the enhanced cleaning program can have a build-up of settled dust.

Of the 63 samples that had detectable levels of lead, 28 exceeded the HUD action level of 10 micrograms of lead per square foot ($\mu\text{g}/\text{ft}^2$). Fifty-four percent of the samples came from unoccupied, mechanical spaces, and areas accessed by facility personnel, as shown in the following table:

Location Use	Bldg #	Sample Location	Sample Description	Lead Concentration (µg/ft ²)
Unoccupied	102E	2nd Floor South Lobby	Floor	14
	104	1st Floor Warehouse	Floor at C5	17
	104	1st Floor Warehouse	Desk Surface at A5	13
	105F	2nd Floor	Floor of South Wire Closet	200
	105L	Storage Room	Floor - East side of Stage	20
	110	1st Floor Loading Dock	Floor at A4	32
Tenant-Occupied	103	1st Floor Secured Area	Elevator Threshold at B12	56
	104E	2nd Floor Canopy Café	Top of Cabinet	12
	105	1st Floor Warehouse	Shelf at E47	19
	105	1st Floor Warehouse	Floor at H46	62
	105	1st Floor Warehouse	Floor at H48 (peeling paint)	63
	105	2nd Floor Lab	Floor at C44 (Gas Storage)	34
	105E	1st Floor USDA Area	Shelf Southwest Corner	56
	141C	Center of Building	Concrete Floor	14
Common Space	103E	2nd Floor South Lobby	Floor near stairwell	22
	104	2nd Floor Freight Elevator	Threshold at B45	42
	104	2nd Floor Freight Elevator	Threshold at B17	27
	105	1st Floor Freight Elevator	Threshold Floor at B16	19
	107	1st Floor Hall	Floor Outside Room 134	15
Mechanical Space/Accessed by Facility Contractors	104E	2nd Floor Stairwell	Landing to Penthouse	41
	104F	2nd Floor South Lobby	Floor of Electrical Closet	31
	105F	2nd Floor	Floor of Janitor's Closet	16
	107	1st Floor Stairs to Basement	Floor of Decon Area	27
	110	2nd Floor Storage Room	Floor at F11	58
	110	Mezzanine Level	Floor	140
	110	Mezzanine Level	Top of HVAC System	180
	115	Janitor's Closet	Floor (Top of Stairs to Basement)	15
	115	South Electrical Closet	Floor	67

GSA will place sticky mats at entrances and exits, and require shoe covers, in mechanical space (not otherwise specified, such as closets). This is to control potential tracking of settled dust from areas not occupied or regularly cleaned to other areas. For results that came from space that is accessible to tenants and controlled by GSA, GSA is working with the janitorial contractor to re-clean and will continue monitoring. For the

results that came from tenant-owned property or spaces, GSA will notify the tenant, so they can take further action to prevent the spread of contaminants within their space.

The Points of Contact for each tenant agency is being notified of the results for the building they occupy. If you have any questions concerning these data, please email r6environmental@gsa.gov and GSA will provide responses from the appropriate experts.