October 2019

In our ongoing effort to inform tenants about the Goodfellow Environmental Project, the following provides results of available air, wipe and dust sampling for levels of contaminants at the Goodfellow Federal Center from July 2019 to present. The results are detailed below. In short, all test results were within acceptable limits. As a reminder GSA's records of environmental sampling and analysis from 2002 forward are available in the Goodfellow Federal Center online reading room at gsa.gov/GoodfellowReadingRoom. Paper copies of these documents also are available at GSA's Field Office in Building 107 between 7 a.m. and 3 p.m. Monday – Friday.

Recent sampling results

- **Wipe sampling in Building 103 after build-out of Census space.** In July 2019, wipe samples were collected from desktop surfaces to determine levels of RCRA metals in settled dust. Using the Brookhaven National Laboratory recommended surface wipe criteria for arsenic, cadmium, chromium and lead, **none** of the wipe samples from this sampling event exceeded the criteria levels. The full sampling report is available at gsa.gov/goodfellowreadingroom.

- **Air sampling in Building 105E**. A previous air sample taken in May 2019 from a second floor hallway near the southwest stairwell at Column L51 in Building 105E slightly exceeded the World Health Organization's (WHO) guideline for lead. GSA's cleaning contractor recleaned the area, and GSA's industrial hygiene contractor resampled the air. The levels found on this sample were **below** the reporting limit of the analytical method used by the laboratory. The full sampling report is available at gsa.gov/goodfellowreadingroom.

- **OSHA comparative sampling results in Buildings 102E, 103, 103D and 104.** The asbestos airborne clearance level is 0.01 fiber per cubic centimeter (f/cc) contained in 40 CFR Part 763, Subpart E, of the *Asbestos in Schools Rule*, which also applies to public buildings, and was issued by the U.S. Environmental Protection Agency (EPA). Of the samples GSA's industrial hygiene contractor collected adjacent to OSHA, GSA's results for airborne asbestos were **below** the asbestos airborne clearance level. GSA's results for airborne lead, arsenic and cadmium in each building were found to be **below** the reporting limit of the analytical method used by the laboratory. GSA's results from wipe samples were **well below** Brookhaven Laboratory limits. GSA's sampling reports from Buildings 102E, 103, 103D and 104 are available at gsa.gov/goodfellowreadingroom. As reports for other buildings are available, they will be added.

Dust monitoring results

Real-time dust monitoring is ongoing around areas outside of projects, and samples are being compared to background levels to determine if adequate work practices and engineering controls are effective to control dust. These monitoring data provide particle counts and not the content of the dust.

- **Building 104 during file storage removal project.** While file removal was occurring, instantaneous measurements for total dust, measured in milligrams per cubic meter (mg/m^3), were taken in areas around the project between July 16 and Aug. 23. Between Aug. 28 and Sept. 24, measurements of various particle sizes were made with a different instrument that provides the average concentration over one minute. These results were averaged to provide the levels in mg/m^3 as particles 10 microns or less. The results showed dust levels were highest in the west egress hallway, but **all were below recommended limits**. Foot traffic and doors opening and closing are contributors to elevated dust levels. These results indicate **the contractor is using adequate dust control** and potentially contaminated dust is not migrating from the project. The dust monitoring will be ongoing throughout the duration of the project.

- **Building 110 during basement project.** Instantaneous measurements for total dust, measured in milligrams per cubic meter (mg/m^3), were taken in stairwells on three levels: Basement, First Floor, and Second Floor, between June 19 and Aug. 23. Between Aug. 28 and Sept. 25, measurements of various particle sizes were made in these same areas with a different instrument that provides the average concentration over one minute. These results were averaged to provide the levels in mg/m^3 as particles 10 microns or less. Most of the data are background levels where no activities were occuring at the time of sampling. Monitoring during the drywall demolition showed the dust to be comprised mostly of fine particulate, but the results showed **levels compared to background levels were unremarkable**. A sample taken within the demolition work area demonstrated the highest levels, which was to be expected. The results from the monitoring outside of the work areas indicate **the contractor is using adequate dust control** and potentially contaminated dust is not migrating from the project. The dust monitoring will be ongoing throughout the duration of the project.

Update on Building 105 project

Last February, GSA completed a project in Building 103 which included a way to better manage air pressure in the tunnel network. At the conclusion of that project, an air pressure test revealed that further adjustments were required to achieve proper air pressure in Buildings 105, 105E and 105F. GSA's project will increase exhaust at the Building 105 tunnel by adding fans, eliminate areas of air infiltration at Building 105, and adjust Building 105 building controls to ensure proper pressure from the building to the basement. Adjustments to the building controls and eliminating areas of air infiltration is already complete. A project has been initiated to add exhaust fans in the tunnel system and is **scheduled to be complete in December**. GSA will continue to monitor contaminant levels within common spaces in tenant areas to confirm that levels are acceptable.

If you have any questions, please email r6environmental@gsa.gov.

GSA Region 6 Environmental Team
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