

## **Dust-monitoring results: September 25 through November 22, 2019**

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. The instrument provides instantaneous measurements of dust of various particle size and then provides the average particle concentration over one minute. The reports average the results to provide the concentrations in mg/m<sup>3</sup> as particles 10 microns or less. 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, dust screenings were taken in areas around the project between September 25 and November 22. The results showed dust levels were highest in the west egress hallway on November 12 in the mid-morning and mid-day sample and that the dust was mostly fine particulate. GSA's industrial hygiene consultant evaluated the engineering controls and work practices of the contractor performing the equipment removal and found them to be working close to the barriers. Foot traffic and doors opening and closing are additional contributors to the elevated dust levels. Levels returned to background concentrations the following day in this area. The dust monitoring will be ongoing throughout the duration of the project.
- Building 110 during basement project: Between September 26 and November 14, dust screenings were taken in stairwells on three levels: Basement, First Floor, and Second Floor. Over half of the data are background levels when no activities were occurring at the time of sampling. Monitoring during the duct demolition, from October 30 through November 13, showed higher dust levels than the background measurements and the dust was composed mostly of fine particulate. GSA's industrial hygiene consultant evaluated the engineering controls and work practices of the contractor performing the demolition and found them to be adequate in controlling dust during the demolition. To further assess the dust migrating from the project, air samples for lead were collected in the stairwells before and during the duct demolition. All 30 samples resulted in levels less than the limit of detection for the analytical method. These reports are posted in the Reading Room. The dust monitoring will be ongoing throughout the duration of the project.