

Ventilation System Sampling Results

The attached ([http://www.wipp.energy.gov/Special/Ventilation System Sampling Results Station A and B.pdf](http://www.wipp.energy.gov/Special/Ventilation%20System%20Sampling%20Results%20Station%20A%20and%20B.pdf)) air sampling results before (Station A) and after (Station B) the ventilation system HEPA (High Efficiency Particulate Air) filters. These samples were analyzed following the detection of airborne radioactivity on February 14, 2014. They are not environmental samples, and are not representative of the public or worker breathing zone air samples. They do provide assurance that the HEPA filter system functioned as designed.

The reported results are preliminary field estimates and are not broken down to identify isotopic make-up, i.e. how much is plutonium and americium. Also, these counts have been completed without sufficient time to allow complete decay of naturally occurring radioactivity, which is also captured on the sampling media and as such may overestimate the amount of process activity that was present. The sample results also demonstrate a single release event with a decrease in activity over time following the event.

The sample results are consistent with results reported by the Carlsbad Environmental Monitoring and Research Center (<http://www.cemrc.org/>). It should be noted that CEMRC analyzed the samples using a laboratory technique which allowed them to report results by isotope (i.e. americium and plutonium).