

DHSS Review of Data from March 13 Air Sampling at Bridgeton Landfill

The Missouri Department of Health and Senior Services (DHSS) has reviewed the air sample data from the March 13, 2013 sampling event at Bridgeton Landfill. Timed (5-hour) samples were collected from two downwind locations, during a period of medium-strong odor emissions, between the landfill and a residential area. One sample was collected in an upwind location.

DHSS specifically reviewed the concentrations of volatile organic compounds (VOCs) in air samples. Of the 62 VOCs targeted in the air sample analysis, 8 VOCs were detected in the downwind samples. None of these VOC concentrations exceeded appropriate health-based screening values for either short-term or chronic exposure in ambient air. As a result, DHSS did not identify VOC concentrations of public health concern in the data from this sampling event. DHSS recommends continued air monitoring and sampling to identify any potential health risks of public exposure to landfill gases.