

**DHSS Review of Air Sample Data from the  
Bridgeton Landfill Area, March 17, 2016**

The Department of Health and Senior Services (DHSS) has reviewed air sample data collected for the Department of Natural Resources (DNR) near Bridgeton Landfill on March 17, 2016. Samples were collected at one location upwind of the landfill and two locations downwind of the landfill for laboratory determination of concentrations of volatile organic compounds (VOCs). DHSS has reviewed this data for evaluation of potential public health concerns of short-term health effects. It should be noted that there were data quality issues with one of the downwind samples; therefore, this data was excluded from evaluation.

VOCs

Concentrations of VOCs were well below levels of public health concern. Downwind of the landfill, 7 VOCs were detected in ambient air in concentrations that generally exceeded concentrations detected upwind from the landfill. Downwind VOC concentrations ranged from 0.16 parts per billion (ppb) to 5.8 ppb and did not exceed health-based screening levels for acute exposure.