

Air Monitoring and Sampling Activities

Schedule	Compounds Tested	Type of Event	Data Evaluation Method
Daily – Continuous	Volatile organic compounds (VOCs), hydrogen sulfide, carbon monoxide, sulfur dioxide, and gamma radiation	Monitoring	Data provided to DHSS for evaluation.
Daily – Twice per day	Hydrogen sulfide, benzene and odor level	Monitoring	Data provided to DHSS for evaluation.
During Construction – Daily – Expanded to include downwind monitoring throughout the day.	Hydrogen-sulfide, benzene and odor level	Monitoring	Data provided to DHSS for evaluation.
During RCP Construction – Daily (except during Comprehensive Sampling Event)	VOCs, reduced sulfur compounds and aldehydes	Sampling	Samples sent to laboratory for analysis, analysis provided to DHSS for evaluation to determine health effects, if any.
Weekly	VOCs, reduced sulfur compounds and aldehydes	Sampling	Samples sent to laboratory for analysis, analysis provided to DHSS for evaluation to determine health effects, if any.
Immediate, at any time upon department request	VOCs, reduced sulfur compounds and aldehydes	Sampling	Samples sent to laboratory for analysis, analysis provided to DHSS for evaluation to determine health effects, if any.
Comprehensive (A comprehensive sampling event is planned for May 29, 30 and 31.)	183 compounds	Sampling	Samples sent to laboratory for analysis, analysis provided to DHSS for evaluation to determine health effects, if any.

Note: For more information about the department's air monitoring and sampling efforts, including the DHSS' evaluation reports to-date, see the [Air Sampling](#) website. DHSS will also post the health assessment on its website at health.mo.gov/bridgeton.