

CSA/MSA: Louisville/Jefferson County-Elizabethtown-Madison, KY-IN CSA; Louisville/Jefferson County, KY-IN MSA

401 KAR 50:020 Air Quality Region: Louisville Interstate (078)

Site Name: Bates Elementary

AQS Site ID: 21-111-0027

Location: 7601 Bardstown Road, Louisville, KY 40291

County: Jefferson

GPS Coordinates: 38.13784, -85.57648 (NAD 83)

Date Established: January 4, 1973

Inspection Date: November 26, 2013

Inspection By: Jennifer F. Miller

Site Approval Status: Site and monitors meet all design criteria for the monitoring network.



The monitoring site is a stationary equipment shelter located on the grounds of the Bates Elementary School in Louisville, Kentucky. The sample inlets are 4.0 meters above ground level and 115 meters from the nearest road. Upon inspection, the sample inlets and monitors were found to be in good condition. The air monitoring site meets the criteria established in 40 CFR Part 58, Appendices C, D, E and G.

Monitoring Objective:

The monitoring objectives are to determine compliance with National Ambient Air Quality Standards and to provide pollution levels for daily index reporting.

Monitors:

Monitor Type	Inlet Height (meters)	Designation	Analysis Method	Frequency of Sampling
AEM Ozone	4.0	SLAMS AQI	UV photometry	Continuously March 1 – October 31
PM _{2.5} TEOM	5.6	SPM AQI	Tapered element oscillating microbalance, gravimetric	Continuously
Meteorological	6.5	None	AQM grade instruments for wind speed and wind direction. Not reported to AQS; thus, there is no designation.	Continuously

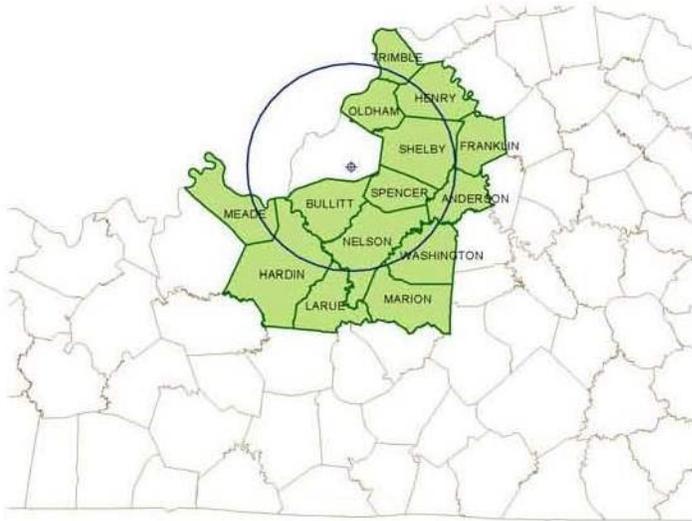
Quality Assurance Status:

All Quality Assurance procedures have been implemented in accordance with 40 CFR 58, Appendix A.

Area Representativeness:

This site represents population exposure on an urban scale for ozone. This site also represents population exposure on a neighborhood scale for fine particulates.

Urban Scale: Ozone



Neighborhood Scale: Particulates

