

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: Southwick Community Center

AQS Site ID: 21-111-0043

Location: 3621 Southern Avenue, Louisville, KY 40211

County: Jefferson

GPS Coordinates: 38.23319, -85.81566 (NAD 83)

Date Established: July 1, 1983

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 located on the roof of the Southwick Community Center in Louisville, Kentucky. The sample inlets are 6 meters above ground level and 45 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 A, 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
PM ₁₀ TEOM	5.9	SLAMS AQI	Tapered element oscillating microbalance, gravimetric	Continuously
Collocated PM ₁₀ TEOM	5.9	SLAMS AQI	Tapered element oscillating microbalance, gravimetric	Continuously
FRM PM _{2.5}	6.0	SLAMS	Gravimetric	24-hours every third day
Collocated FRM PM _{2.5}	6.0	SLAMS	Gravimetric	24-hours every sixth day
PM _{2.5} BAM	6.0	SPM AQI	Automated Equivalent Method utilizing Beta Attenuation.	Continuously
Meteorological	11.4	SPM-Other	AQM grade instruments for wind speed, wind direction, humidity, barometric pressure, and temperature	Continuously
-Rain Gauge	5.0	SPM-Other	AQM grade instrument for precipitation.	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 a neighborhood scale for particulates.

