

Report on Air Monitoring in Lee County

Joette Steger, Ph.D. – Projects and Procedures Branch Supervisor was contacted in the NC DEQ Division of Air Quality on 5/6/2019. She offered the following information.

Lee County – Blackstone Station was operated from 11/01/2013 to 7/31/2018. It started with five sensors in 2013 and expanded to nine sensors in on March 1, 2017.

The Lee County – Blackstone Station did not monitor Methane. NC DENR (later NC DEQ) were concerned with monitoring background levels from anthropogenic (human-kind) sources.

On-line monitoring is available for Blackstone from January 1, 2016 to July 31, 2018.

Available Ambient Data

To get the latest available ambient data for a particular site, select the County..Site from the drop-down list. The data will be displayed below once you have made your selection.

All current values and statistics are averages for one-hour durations, unless the name of the monitor indicates otherwise.

Lee. . Blackstone ▼

Date: 05/06/2016 ([Change date](#))

(or select by Monitor)

Sanford, NC 27330

Monitor	Current Reading	Minimum	Maximum	Average/ Total	Unit	Status	Hour (EST)
Acceptable PM2.5 AQI & Speciation Mass	--	0.0	5.9	1.9	UG/M3	0-truncated	--
Nitrogen dioxide (NO2)	--	0	2	1	PPB	normal	--
Ozone	--	17	41	--	PPB	normal	--
Ozone (8 Hour Average)	--	22	36	--	PPB	normal	--
Sulfur dioxide	--	0.0	0.1	0.0	PPB	normal	--

Note that these data are in raw form and have not been validated. These data should not be used in any medical or scientific studies. Validated data is available upon request.

View [pollutant and meteorological descriptions](#).

View [haze camera images](#).

Site Details
Date Established: 11/01/2013
Elevation: 131 meters
Latitude: 35.4325
Longitude: -79.2887

Lee County – Blackstone Monitoring Station was uninstalled on August 1, 2018 (4 years & 9 months).

Available Ambient Data

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Lee . Blackstone ▼

Date: 05/06/2017 ([Change date](#))

([or select by Monitor](#))

Sanford, NC 27330

Monitor	Current Reading	Minimum	Maximum	Average/ Total	Unit	Status	Hour (EST)
Acceptable PM2.5 AQI & Speciation Mass	--	2.0	11.0	5.7	UG/M3	normal	--
Nitrogen dioxide (NO2)	--	0	1	1	PPB	normal	--
Outdoor Temperature	--	50.3	65.1	56.96	DEGF	normal	--
Ozone	--	17	45	--	PPB	normal	--
Ozone (8 Hour Average)	--	25	42	--	PPB	normal	--
Relative Humidity	--	39.4	92.8	69.66	PERCENT	normal	--
Sulfur dioxide	--	0.0	0.2	0.0	PPB	normal	--
Wind Direction - Resultant	WSW	--	--	W	--	normal	11:00 - 11:59 PM
Wind Speed - Resultant	3.5	2.6	10.5	5.6	MPH	normal	11:00 - 11:59 PM

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Lee. . Blackstone ▼

Date: 04/30/2018 ([Change date](#))

(or select by Monitor)

Sanford, NC 27330

Monitor	Current Reading	Minimum	Maximum	Average/ Total	Unit	Status	Hour (EST)
Acceptable PM2.5 AQI & Speciation Mass	--	2.0	17.0	5.2	UG/M3	normal	--
Nitrogen dioxide (NO2)	--	0	1	1	PPB	normal	--
Outdoor Temperature	--	36.0	72.6	56.53	DEGF	normal	--
Ozone	--	10	59	--	PPB	normal	--
Ozone (8 Hour Average)	--	44	56	--	PPB	normal	--
Relative Humidity	--	15.0	99.9	50.67	PERCENT	normal	--
Sulfur dioxide	--	-0.6	0.0	-0.4	PPB	normal	--
Wind Direction - Resultant	SSW	--	--	N	--	normal	11:00 - 11:59 PM
Wind Speed - Resultant	2.0	0.3	6.1	1.9	MPH	normal	11:00 - 11:59 PM

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Lee. . Blackstone ▼

Date: 05/31/2018 ([Change date](#))

(or select by Monitor)

Sanford, NC 27330

Monitor	Current Reading	Minimum	Maximum	Average/ Total	Unit	Status	Hour (EST)
Acceptable PM2.5 AQI & Speciation Mass	--	2.0	13.0	6.0	UG/M3	normal	--
Nitrogen dioxide (NO2)	--	0	1	1	PPB	normal	--
Outdoor Temperature	--	72.1	83.4	76.78	DEGF	normal	--
Ozone	--	4	31	--	PPB	normal	--
Ozone (8 Hour Average)	--	10	25	--	PPB	normal	--
Relative Humidity	--	71.2	100.0	90.04	PERCENT	normal	--
Sulfur dioxide	--	-0.2	-0.1	-0.1	PPB	normal	--
Wind Direction - Resultant	SSW	--	--	S	--	normal	11:00 - 11:59 PM
Wind Speed - Resultant	1.6	0.2	4.9	2.1	MPH	normal	11:00 - 11:59 PM

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[View haze camera images.](#)

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Lee. . Blackstone ▼

Date: 07/31/2018 ([Change date](#))

([or select by Monitor](#))

Sanford, NC 27330

Monitor	Current Reading	Minimum	Maximum	Average/ Total	Unit	Status	Hour (EST)
Acceptable PM2.5 AQI & Speciation Mass	--	1.0	9.0	5.5	UG/M3	normal	--
Nitrogen dioxide (NO2)	--	-999	1	-41	PPB	normal	--
Outdoor Temperature	--	71.8	85.7	76.95	DEGF	normal	--
Ozone	--	5	36	--	PPB	normal	--
Ozone (8 Hour Average)	--	16	29	--	PPB	normal	--
Relative Humidity	--	68.6	100.0	93.43	PERCENT	normal	--
Sulfur dioxide	--	-1.1	-1.0	-1.0	PPB	normal	--
Wind Direction - Resultant	SSE	--	--	S	--	normal	11:00 - 11:59 PM
Wind Speed - Resultant	3.2	0.4	4.4	1.7	MPH	normal	11:00 - 11:59 PM

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