

US EPA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report

March 2, 2015 – March 8, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 3/02/2015	Tuesday 3/03/2015	Wednesday 3/04/2015	Thursday 3/05/2015	Friday 3/06/2015	Saturday 3/07/2015	Sunday 3/08/2015
Temperature (range) ¹	13-35	32-48	20-27	15-26	15-51	39-67	35-63
Wind Speed (peak & average) ²	16 / 5.8	18 / 8.2	23 / 11.0	17 / 8.3	20 / 10.0	22 / 9.6	17 / 7.3
Wind Direction (predominant)	SE	SE	N	N	SW	W	SE
Precipitation (total) ³	0.00	0.12	0.01	0.00	0.00	0.00	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 3/02/2015	Tuesday 3/03/2015	Wednesday 3/04/2015	Thursday 3/05/2015	Friday 3/06/2015	Saturday 3/07/2015	Sunday 3/08/2015
Dry Ice Blasting	X	X	X	X	X		
Power Washing							

Daily Air Monitoring and Sampling Results

Air Monitoring / Sampling Results - Station 1 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 3/02/2015	Tuesday 3/03/2015	Wednesday 3/04/2015	Thursday 3/05/2015	Friday 3/06/2015	Saturday 3/07/2015	Sunday 3/08/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	41.0	46.5	32.3	29.0	38.0	29.1	37.5
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)	<0.075	<0.081	<0.081	<0.080			
Comments		No laboratory samples collected Friday, 3/06/2015, through Sunday, 3/08/2015 (weekend).							

Air Monitoring / Sampling Results - Station 2 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 3/02/2015	Tuesday 3/03/2015	Wednesday 3/04/2015	Thursday 3/05/2015	Friday 3/06/2015	Saturday 3/07/2015	Sunday 3/08/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	24.4	29.0	16.1	11.7	17.8	12.0	20.0
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)	<0.071	<0.075	<0.075	<0.074			
Comments		No laboratory samples collected Friday, 3/06/2015, through Sunday, 3/08/2015 (weekend).							

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Air Monitoring / Sampling Results - Station 3 (Results reported in $\mu\text{g}/\text{m}^3$)									
Parameter	Type of Analysis	Standard / Action Level	Monday 3/02/2015	Tuesday 3/03/2015	Wednesday 3/04/2015	Thursday 3/05/2015	Friday 3/06/2015	Saturday 3/07/2015	Sunday 3/08/2015
PM ₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	22.4	26.5	12.3	9.6	16.3	9.3	16.1
Lead (in air sample)	Lab	0.15 $\mu\text{g}/\text{m}^3$ (NAAQS)	<0.080	<0.085	<0.086	<0.083			
Comments		No laboratory samples collected Friday, 3/06/2015, through Sunday, 3/08/2015 (weekend).							

Air Monitoring / Sampling Results - Station 4 (Results reported in $\mu\text{g}/\text{m}^3$)									
Parameter	Type of Analysis	Standard / Action Level	Monday 3/02/2015	Tuesday 3/03/2015	Wednesday 3/04/2015	Thursday 3/05/2015	Friday 3/06/2015	Saturday 3/07/2015	Sunday 3/08/2015
PM ₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	22.1	26.4	16.2	12.2	18.2	10.2	16.7
Lead (in air sample)	Lab	0.15 $\mu\text{g}/\text{m}^3$ (NAAQS)	<0.066	<0.071	<0.071	<0.069			
Comments		No laboratory samples collected Friday, 3/06/2015, through Sunday, 3/08/2015 (weekend).							

Legend:

No shading - indicates TWA readings less than the applicable standard/action level	Yellow shading – indicates a 1-hour TWA exceeded the applicable standard/action level, but the 24-hour TWA was below the standard/action level	Red shading – indicates the 24-hour TWA exceeded the applicable standard/action level	Orange shading – indicates no data are available
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NAAQS – National Ambient Air Quality Standard

PM₁₀ – Particulate matter less than 10 microns in size

TWA – Time-weighted average (average of data collected from 12:00 AM to 12:00 AM)

$\mu\text{g}/\text{m}^3$ – Micrograms per cubic meter

¹ Temperature reported in degrees Fahrenheit

² Wind speed reported in miles per hour

³ Precipitation reported in inches

