

US EPA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report

February 9, 2015 – February 15, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 2/09/2015	Tuesday 2/10/2015	Wednesday 2/11/2015	Thursday 2/12/2015	Friday 2/13/2015	Saturday 2/14/2015	Sunday 2/15/2015
Temperature (range) ¹	31-41	28-44	29-42	13-29	19-42	12-38	11-20
Wind Speed (peak & average) ²	17 / 11.2	12 / 6.7	22 / 9.3	30 / 12.2	13 / 6.1	29 / 14.1	17 / 10.2
Wind Direction (predominant)	N	SE	NW	N	W	N	NE
Precipitation (total) ³	Trace	0.00	0.00	Trace	0.00	0.01	0.14

Carter Carburetor Daily Work Activities (No activities occurred this week)							
Site Activity	Monday 2/09/2014	Tuesday 2/10/2015	Wednesday 2/11/2015	Thursday 2/12/2015	Friday 2/13/2015	Saturday 2/14/2015	Sunday 2/15/2015
Dry Ice Blasting							
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 2/09/2015	Tuesday 2/10/2015	Wednesday 2/11/2015	Thursday 2/12/2015	Friday 2/13/2015	Saturday 2/14/2015	Sunday 2/15/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)	< 0.079	< 0.090	< 0.087	< 0.089			
Comments	No laboratory samples collected Friday, 2/13/2015, through Sunday, 2/15/2015 (weekend). PM ₁₀ 24-hour TWA air monitoring results were not collected as the air monitoring equipment had not been deployed.								

Air Monitoring / Sampling Results - Station 2 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 2/09/2015	Tuesday 2/10/2015	Wednesday 2/11/2015	Thursday 2/12/2015	Friday 2/13/2015	Saturday 2/14/2015	Sunday 2/15/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)	< 0.084	< 0.081	< 0.071	< 0.066			
Comments	No laboratory samples collected Friday, 2/13/2015, through Sunday, 2/15/2015 (weekend). PM ₁₀ 24-hour TWA air monitoring results were not collected as the air monitoring equipment had not been deployed.								

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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 2/09/2015	Tuesday 2/10/2015	Wednesday 2/11/2015	Thursday 2/12/2015	Friday 2/13/2015	Saturday 2/14/2015	Sunday 2/15/2015
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)							
Lead (in air sample)	Lab	0.15 $\mu\text{g}/\text{m}^3$ (NAAQS)	< 0.087	< 0.093	< 0.086	< 0.085			
Comments		No laboratory samples collected Friday, 2/13/2015, through Sunday, 2/15/2015 (weekend). PM ₁₀ 24-hour TWA air monitoring results were not collected as the air monitoring equipment had not been deployed.							

Air Monitoring / Sampling Results - Station 4 (Results reported in $\mu\text{g}/\text{m}^3$)									
Parameter	Type of Analysis	Standard / Action Level	Monday 2/09/2015	Tuesday 2/10/2015	Wednesday 2/11/2015	Thursday 2/12/2015	Friday 2/13/2015	Saturday 2/14/2015	Sunday 2/15/2015
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)							
Lead (in air sample)	Lab	0.15 $\mu\text{g}/\text{m}^3$ (NAAQS)							
Comments		Electrical service has not been installed at air station. PM ₁₀ 24-hour TWA air monitoring results were not collected as the air monitoring equipment had not been deployed.							

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; initiate investigation	Red shading – indicates the 24-hour TWA exceeded the applicable standard/action level; initiate corrective action	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

