

US EPA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report

May 11, 2015 – May 17, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 5/11/2015	Tuesday 5/12/2015	Wednesday 5/13/2015	Thursday 5/14/2015	Friday 5/15/2015	Saturday 5/16/2015	Sunday 5/17/2015
Temperature (range & average) ¹	75-57	70-52	71-50	77-58	85-67	79-69	83-66
Wind Speed (peak & average) ²	32.0/12.5	32.0 / 10.7	16.1 / 8.5	25.9 / 12.8	38.0 / 8.1	21.1 / 11.0	33.1 / 12.3
Wind Direction (predominant)	W	W		S	S	SE	SE
Precipitation (total) ³	0.55	0.00	0.00	0.05	0.35	0.09	0.15

Carter Carburetor Daily Work Activities (No site activities this week)							
Site Activity	Monday 5/11/2015	Tuesday 5/12/2015	Wednesday 5/13/2015	Thursday 5/14/2015	Friday 5/15/2015	Saturday 5/16/2015	Sunday 5/17/2015

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 5/11/2015	Tuesday 5/12/2015	Wednesday 5/13/2015	Thursday 5/14/2015	Friday 5/15/2015	Saturday 5/16/2015	Sunday 5/17/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments		Laboratory samples collection has not resumed after Wednesday, 3/25/2015, and air monitoring was suspended on 5/08/2015, due to a temporary change in site activities. Air monitoring is to start again in 1 to 2 weeks.							

Air Monitoring / Sampling Results - Station 2 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 5/11/2015	Tuesday 5/12/2015	Wednesday 5/13/2015	Thursday 5/14/2015	Friday 5/15/2015	Saturday 5/16/2015	Sunday 5/17/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments		Laboratory samples collection has not resumed after Wednesday, 3/25/2015, and air monitoring was suspended on 5/08/2015, due to a temporary change in site activities. Air monitoring is to start again in 1 to 2 weeks.							

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Air Monitoring / Sampling Results - Station 3 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 5/11/2015	Tuesday 5/12/2015	Wednesday 5/13/2015	Thursday 5/14/2015	Friday 5/15/2015	Saturday 5/16/2015	Sunday 5/17/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments		Laboratory samples collection has not resumed after Wednesday, 3/25/2015, and air monitoring was suspended on 5/08/2015, due to a temporary change in site activities. Air monitoring is to start again in 1 to 2 weeks.							

Air Monitoring / Sampling Results - Station 4 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 5/11/2015	Tuesday 5/12/2015	Wednesday 5/13/2015	Thursday 5/14/2015	Friday 5/15/2015	Saturday 5/16/2015	Sunday 5/17/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments		Laboratory samples collection has not resumed after Wednesday, 3/25/2015, and air monitoring was suspended on 5/08/2015, due to a temporary change in site activities. Air monitoring is to start again in 1 to 2 weeks.							

Air Monitoring / Sampling Results - Station 5 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 5/11/2015	Tuesday 5/12/2015	Wednesday 5/13/2015	Thursday 5/14/2015	Friday 5/15/2015	Saturday 5/16/2015	Sunday 5/17/2015
PM _{2.5} (24-hour TWA)	Real-time	35 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments		Laboratory samples collection has not resumed after Wednesday, 3/25/2015, and air monitoring was suspended on 5/08/2015, due to a temporary change in site activities. Air monitoring is to start again in 1 to 2 weeks.							

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

PM_{2.5} – Particulate matter less than 2.5 microns in size

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)

µg/m³ – Micrograms per cubic meter

¹Temperature reported in degrees Fahrenheit

²Wind speed reported in miles per hour

³Precipitation reported in inches

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