

US EPA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report

April 27, 2015 – May 03, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 4/27/2015	Tuesday 4/28/2015	Wednesday 4/29/2015	Thursday 4/30/2015	Friday 5/01/2015	Saturday 5/02/2015	Sunday 5/03/2015
Temperature (range) ¹	67-42	70-43	76-46	72-50	72-44	80-55	85-64
Wind Speed (peak & average) ²	23.9 / 7.6	21.9 / 5.6	21.0 / 4.5	30.0 / 9.6	23.0 / 2.2	19.9 / 5.6	25.9 / 10.3
Wind Direction (predominant)	NE	N	NE	N	SE	SE	S
Precipitation (total) ³	0.00	0.00	0.00	0.00	0.00	0.00	Trace

Carter Carburetor Daily Work Activities							
Site Activity	Monday 4/27/2015	Tuesday 4/28/2015	Wednesday 4/29/2015	Thursday 4/30/2015	Friday 5/01/2015	Saturday 5/02/2015	Sunday 5/03/2015
Window Removal by Torches	X	X	X	X	X		

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 4/27/2015	Tuesday 4/28/2015	Wednesday 4/29/2015	Thursday 4/30/2015	Friday 5/01/2015	Saturday 5/02/2015	Sunday 5/03/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	28.7	31.6	36.4	33.0	34.0	34.0	33.4
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments	Laboratory data sampling has not resumed.								

Air Monitoring / Sampling Results - Station 2 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 4/27/2015	Tuesday 4/28/2015	Wednesday 4/29/2015	Thursday 4/30/2015	Friday 5/01/2015	Saturday 5/02/2015	Sunday 5/03/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	12.9	27.2	25.5	35.8	39.2	58.7	81.4
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments	Laboratory data sampling has not resumed.								

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Air Monitoring / Sampling Results - Station 3 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 4/27/2015	Tuesday 4/28/2015	Wednesday 4/29/2015	Thursday 4/30/2015	Friday 5/01/2015	Saturday 5/02/2015	Sunday 5/03/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	7.7	9.8	14.5	10.1	12.4	11.2	11.3
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments	Laboratory data sampling has not resumed.								

Air Monitoring / Sampling Results - Station 4 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 4/27/2015	Tuesday 4/28/2015	Wednesday 4/29/2015	Thursday 4/30/2015	Friday 5/01/2015	Saturday 5/02/2015	Sunday 5/03/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	6.3	8.5	13.1	8.9	10.9		
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments	Real-time air monitoring system malfunctioned on Saturday, 5/02/2015. Problem has not been resolved as of Sunday, 5/03/2015. Laboratory data sampling has not resumed.								

Air Monitoring / Sampling Results - Station 5 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 4/27/2015	Tuesday 4/28/2015	Wednesday 4/29/2015	Thursday 4/30/2015	Friday 5/01/2015	Saturday 5/02/2015	Sunday 5/03/2015
PM _{2.5} (24-hour TWA)	Real-time	35 µg/m ³ (NAAQS)	12.7	14.8			19.4		
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments	Real-time air monitoring system malfunctioned on Wednesday, 4/29/2015. Problem was resolved as of Friday, 5/01/2015. Real-time air monitoring system malfunctioned on Saturday, 5/02/2015. Problem has not been resolved as of Sunday, 5/03/2015. Laboratory data sampling has not resumed.								

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

¹ Temperature reported in degrees Fahrenheit

² Wind speed reported in miles per hour

³ Precipitation reported in inches

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