

US EPA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report

April 06, 2015 – April 12, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 4/06/2015	Tuesday 4/07/2015	Wednesday 4/08/2015	Thursday 4/09/2015	Friday 4/10/2015	Saturday 4/11/2015	Sunday 4/12/2015
Temperature (range) ¹	56-67	62-73	63-77	53-84	45-71	43-68	54-77
Wind Speed (peak & average) ²	23.0 / 9.2	30.0 / 10.3	40.9 / 9.2	44.1 / 16.6	40.0 / 14.5	16.1 / 6.7	31.1 / 10.5
Wind Direction (predominant)	SE	NE	SW	W	W	SE	S
Precipitation (total) ³	0.01	1.76	0.48	1.14	0.00	0.00	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 4/06/2015	Tuesday 4/07/2015	Wednesday 4/08/2015	Thursday 4/09/2015	Friday 4/10/2015	Saturday 4/11/2015	Sunday 4/12/2015
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 4/06/2015	Tuesday 4/07/2015	Wednesday 4/08/2015	Thursday 4/09/2015	Friday 4/10/2015	Saturday 4/11/2015	Sunday 4/12/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)			43.0	35.9	31.3	27.4	25.8
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments	Real-time data collection resumed on Wednesday, 4/08/2015. Equipment malfunction on Friday, 4/10/2015. After reset, 1-hour TWA was exceeded, but particulate readings quickly returned to normal levels. 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 4/06/2015	Tuesday 4/07/2015	Wednesday 4/08/2015	Thursday 4/09/2015	Friday 4/10/2015	Saturday 4/11/2015	Sunday 4/12/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)			29.6		2.8	4.9	4.3
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments	Real-time data collection resumed on Wednesday, 4/08/2015. The real-time data collection equipment malfunctioned and stop recording on Thursday, 4/08/15. The equipment has been replaced and is performing normally. 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 4/06/2015	Tuesday 4/07/2015	Wednesday 4/08/2015	Thursday 4/09/2015	Friday 4/10/2015	Saturday 4/11/2015	Sunday 4/12/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)			23.9	17.5	6.3	8.8	7.7
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments		Real-time data collection resumed on Wednesday, 4/08/2015. 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 4/06/2015	Tuesday 4/07/2015	Wednesday 4/08/2015	Thursday 4/09/2015	Friday 4/10/2015	Saturday 4/11/2015	Sunday 4/12/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)			24.5	18.3	5.7	8.1	
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments		Real-time data collection resumed on Wednesday, 4/08/2015. The real-time data collection instruments malfunction on Sunday, 4/12/2015. The problem is being investigated. 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 4/06/2015	Tuesday 4/07/2015	Wednesday 4/08/2015	Thursday 4/09/2015	Friday 4/10/2015	Saturday 4/11/2015	Sunday 4/12/2015
PM _{2.5} (24-hour TWA)	Real-time	35 µg/m ³ (NAAQS)			31.0	22.9	11.8	14.9	13.5
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)							
Comments		Real-time data collection resumed on Wednesday, 4/08/2015. 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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