

US EPA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report

February 2, 2015 – February 8, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 2/02/2015	Tuesday 2/03/2015	Wednesday 2/04/2015	Thursday 2/05/2015	Friday 2/06/2015	Saturday 2/07/2015	Sunday 2/08/2015
Temperature (range) ¹	18-29	23-50	16-41	7-28	23-54	34-71	41-68
Wind Speed (peak & average) ²	33.1 / 10.5	19.9 / 7.6	23.9 / 12.1	18.1 / 4.9	21.9 / 7.2	28 / 9.2	23.9 / 11.9
Wind Direction (predominant)	NW	S	N	N	S	SW	NW
Precipitation (total) ³	Trace	0.00	0.06	0.00	0.00	0.00	Trace

Carter Carburetor Daily Work Activities (No activities occurred this week)							
Site Activity	Monday 2/02/2015	Tuesday 2/03/2015	Wednesday 2/04/2015	Thursday 2/05/2015	Friday 2/06/2015	Saturday 2/07/2015	Sunday 2/08/2015
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 2/02/2014	Tuesday 2/03/2015	Wednesday 2/04/2015	Thursday 2/05/2015	Friday 2/06/2015	Saturday 2/07/2015	Sunday 2/08/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)					<0.060	<0.062	<0.078
Comments	Laboratory sample collection started Friday, 2/06/2015. 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 2/02/2014	Tuesday 2/03/2015	Wednesday 2/04/2015	Thursday 2/05/2015	Friday 2/06/2015	Saturday 2/07/2015	Sunday 2/08/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)							
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)					<0.083	<0.082	<0.082
Comments	Laboratory sample collection started Friday, 2/06/2015. 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 2/02/2014	Tuesday 2/03/2015	Wednesday 2/04/2015	Thursday 2/05/2015	Friday 2/06/2015	Saturday 2/07/2015	Sunday 2/08/2015
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)					<0.050	<0.087	<0.085
Comments		Laboratory sample collection started Friday, 2/06/2015. 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 2/02/2014	Tuesday 2/03/2015	Wednesday 2/04/2015	Thursday 2/05/2015	Friday 2/06/2015	Saturday 2/07/2015	Sunday 2/08/2015
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

