

US EPA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report

February 23, 2015 – March 1, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 2/23/2015	Tuesday 2/24/2015	Wednesday 2/25/2015	Thursday 2/26/2015	Friday 2/27/2015	Saturday 2/28/2015	Sunday 3/01/2015
Temperature (range) ¹	5-16	12-43	22-45	9-33	2-20	15-28	19-32
Wind Speed (peak & average) ²	16 / 7.2	22 / 9.7	16 / 4.9	20 / 12.6	12 / 6.4	14 / 7.0	12 / 3.5
Wind Direction (predominant)	N	W	E	NW	N	SE	NW
Precipitation (total) ³	0.00	0.00	Trace	0.05	0.00	0.31	0.04

Carter Carburetor Daily Work Activities							
Site Activity	Monday 2/23/2015	Tuesday 2/24/2015	Wednesday 2/25/2015	Thursday 2/26/2015	Friday 2/27/2015	Saturday 2/28/2015	Sunday 3/01/2015
Dry Ice Blasting	X	X	X	X	X		
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 2/23/2015	Tuesday 2/24/2015	Wednesday 2/25/2015	Thursday 2/26/2015	Friday 2/27/2015	Saturday 2/28/2015	Sunday 3/01/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)		31.6	42.8	32.2	30.1	41.7	51.1
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)		<0.085	<0.079	<0.078			
Comments	No laboratory sample was collected on Monday, 2/23/2015 due to an air sampling pump malfunction. No laboratory samples were collected Friday, 2/27/2015, through Sunday, 3/01/2015 (weekend).								

Air Monitoring / Sampling Results - Station 2 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 2/23/2015	Tuesday 2/24/2015	Wednesday 2/25/2015	Thursday 2/26/2015	Friday 2/27/2015	Saturday 2/28/2015	Sunday 3/01/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	14.7	14.3	16.1		14.1	23.8	32.9
Lead (in air sample)	Lab	0.15 µg/m ³ (NAAQS)	<0.065						
Comments	No laboratory sample was collected on Tuesday, 2/24/2015 as the air station was moved. No laboratory samples were collected on Wednesday, 2/25/2015, and Thursday, 2/26/2015, as the air station did not have electrical service. PM ₁₀ 24-hour TWA air monitoring results were not collected on Thursday, 2/26/2015, due to lack of electrical service at the air station. No laboratory samples were collected Friday, 2/27/2015, through Sunday, 3/01/2015 (weekend).								

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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 2/23/2015	Tuesday 2/24/2015	Wednesday 2/25/2015	Thursday 2/26/2015	Friday 2/27/2015	Saturday 2/28/2015	Sunday 3/01/2015
PM ₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	14.5	13.7	21.8	13.1	12.4	20.2	30.0
Lead (in air sample)	Lab	0.15 $\mu\text{g}/\text{m}^3$ (NAAQS)	<0.090	<0.083	<0.079	<0.082			
Comments		No laboratory samples were collected Friday, 2/27/2015, through Sunday, 3/01/2015 (weekend).							

Air Monitoring / Sampling Results - Station 4 (Results reported in $\mu\text{g}/\text{m}^3$)									
Parameter	Type of Analysis	Standard / Action Level	Monday 2/23/2015	Tuesday 2/24/2015	Wednesday 2/25/2015	Thursday 2/26/2015	Friday 2/27/2015	Saturday 2/28/2015	Sunday 3/01/2015
PM ₁₀ (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)				<0.069			
Comments		No electrical service was available at the air station until 2/26/2015. PM ₁₀ 24-hour TWA air monitoring results were not collected this week due to intermittent electrical service at the air station. No laboratory samples were collected Friday, 2/27/2015, through Sunday, 3/01/2015 (weekend).							

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

