US ERA ARCHIVE DOCUMENT

# Carter Carburetor Weekly Air Monitoring & Sampling Report April 13, 2015 – April 19, 2015

Carter Carburetor Daily Weather Conditions								
	<b>Monday</b> 4/13/2015	<b>Tuesday</b> 4/14/2015	<b>Wednesday</b> 4/15/2015	<b>Thursday</b> 4/16/2015	<b>Friday</b> 4/17/2015	<b>Saturday</b> 4/18/2015	<b>Sunday</b> 4/19/2015	
Temperature (range) <sup>1</sup>	71-59	69-56	70-54	79-52	80-58	79-59	67-57	
Wind Speed (peak & average) <sup>2</sup>	31.1 / 10.3	25.1 / 9.8	25.1 / 10.7	14.1 / 3.4	18.1 / 5.1	21.0 / 6.3	40.9 / 6.9	
Wind Direction (predominant)	W	NE	Е	SE	Е	SE	W	
Precipitation (total) <sup>3</sup>	0.06	0.00	0.00	0.00	0.00	0.00	0.77	

Carter Carburetor Daily Work Activities							
Monday Tuesday Wednesday Thursday Friday Saturday							
Site Activity	4/13/2015	4/14/2015	4/15/2015	4/16/2015	4/17/2015	4/18/2015	4/19/2015
Window Removal by Torches	Χ	Χ	Х	Χ	Χ		

#### **Daily Air Monitoring and Sampling Results**

Air Monitoring / Sampling Results - Station 1 (Results reported in μg/m³)									
Parameter	Type of Analysis	Standard / Action Level	<b>Monday</b> 4/13/2015	<b>Tuesday</b> 4/14/2015	<b>Wednesday</b> 4/15/2015	Thursday 4/16/2015	Friday 4/17/2015	<b>Saturday</b> 4/18/2015	<b>Sunday</b> 4/19/2015
PM <sub>10</sub> (24-hour TWA)	Real- time	150 μg/m³ (NAAQS)	27.5	24.4	27.6	52.1	50.2		
Lead (in air sample)	Lab	0.15 μg/m <sup>3</sup> (NAAQS)							
Comments	Air monitoring equipment was turned off for maintenance Saturday, 4/18/2015, through Sunday, 4/19/2015. Laboratory data sampling has not resumed.								

Air Monitoring / Sampling Results - Station 2 (Results reported in μg/m³)									
Parameter	Type of Analysis	Standard / Action Level	<b>Monday</b> 4/13/2015	<b>Tuesday</b> 4/14/2015	<b>Wednesday</b> 4/15/2015	<b>Thursday</b> 4/16/2015	Friday 4/17/2015	<b>Saturday</b> 4/18/2015	<b>Sunday</b> 4/19/2015
PM <sub>10</sub> (24-hour TWA)	Real- time	150 μg/m³ (NAAQS)	3.4	1.5	3.6	16.0	16.2		
Lead (in air sample)	Lab	0.15 μg/m <sup>3</sup> (NAAQS)							
Comments	Air monitoresumed.	Air monitoring equipment was turned off for maintenance Saturday, 4/18/2015, through Sunday, 4/19/2015. Laboratory data sampling has not resumed.							

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Air Monitoring / Sampling Results - Station 3 (Results reported in μg/m³)										
	Type of Standard / Monday Tuesday Wednesday Thursday Friday Saturday Sunday									
Parameter	Analysis	Action Level	4/13/2015	4/14/2015	4/15/2015	4/16/2015	4/17/2015	4/18/2015	4/19/2015	
PM <sub>10</sub> (24-hour TWA)	Real- time	150 μg/m³ (NAAQS)	7.3	4.4	7.5	29.8	26.1			
Lead (in air sample)	Lab	0.15 μg/m <sup>3</sup> (NAAQS)								
Comments	Air monitoring equipment was turned off for maintenance Saturday, 4/18/2015, through Sunday, 4/19/2015. Laboratory data sampling has not resumed.									

Air Monitoring / Sampling Results - Station 4 (Results reported in μg/m³)									
_	Type of	Standard /	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Parameter	Analysis	Action Level	4/13/2015	4/14/2015	4/15/2015	4/16/2015	4/17/2015	4/18/2015	4/19/2015
PM <sub>10</sub>	Real-	150 μg/m <sup>3</sup>							
(24-hour TWA)	time	(NAAQS)		2.7	6.3	28.6	26.1		
Lead		$0.15  \mu g/m^3$							
(in air sample)	Lab	(NAAQS)							
	Air monitoring equipment was repaired and started recording on Tuesday, 4/14/2015. Air monitoring equipment was turned off for maintenance								
Comments	Saturday,	Saturday, 4/18/2015, through Sunday, 4/19/2015. Laboratory data sampling has not resumed							

Air Monitoring / Sampling Results - Station 5 (Results reported in μg/m³)									
Type of Standard / Monday Tuesday Wednesday Thursday Friday Saturday Sund									Sunday
Parameter	Analysis	Action Level	4/13/2015	4/14/2015	4/15/2015	4/16/2015	4/17/2015	4/18/2015	4/19/2015
PM <sub>2.5</sub>	Real-	35 μg/m <sup>3</sup>							
(24-hour TWA)	time	(NAAQS)	12.4	9.2	12.2	35.9	37.1		
Lead		$0.15  \mu g/m^3$							
(in air sample)									
	The 1-hou	ır PM2.5 TWA w	as exceeded becar	use hazy/foggy co	nditions and exha	usts from nearby i	dling vehicle Thur	sdav. 4/16/2015 a	nd Friday.

The 1-hour PM2.5 TWA was exceeded because hazy/foggy conditions and exhausts from nearby idling vehicle Thursday, 4/16/2015 and Friday, 4/17/2015. Air monitoring equipment was turned off for maintenance Saturday, 4/18/2015, through Sunday, 4/19/2015. Laboratory data sampling has not resumed

#### Legend:

No shading – indicates TWA	Yellow shading – indicates a 1-hour TWA exceeded the	Red shading – indicates the 24-hour TWA	Orange shading – indicates no data
readings less than the applicable	applicable standard/action level, but the 24-hour TWA	exceeded the applicable standard/action	are available
standard/action level	was below the standard/action level; initiate investigation	level; initiate corrective action	

NAAQS - National Ambient Air Quality Standard

PM<sub>2.5</sub> – Particulate matter less than 2.5 microns in size

PM<sub>10</sub> – 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/m<sup>3</sup> – Micrograms per cubic meter

<sup>1</sup>Temperature reported in degrees Fahrenheit

<sup>&</sup>lt;sup>2</sup> Wind speed reported in miles per hour

<sup>&</sup>lt;sup>3</sup> Precipitation reported in inches

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