US ERA ARCHIVE DOCUMENT

Comments

## Carter Carburetor Weekly Air Monitoring & Sampling Report March 9, 2015 – March 15, 2015

Carter Carburetor Daily Weather Conditions										
	Monday         Tuesday         Wednesday         Thursday         Friday         Saturday         Sunday           3/9/2015         3/10/2015         3/11/2015         3/12/2015         3/13/2015         3/14/2015         3/15/2015									
Temperature (range) <sup>1</sup>	34-58	42-57	35-75	41-68	48-54	45-63	38-74			
Wind Speed (peak & average) <sup>2</sup>	18.1 / 5.8	13 / 3.6	17 / 4.3	18.1 / 8.1	13 / 4.7	21.9 / 6.9	17 / 4			
Wind Direction (predominant)	Wind Direction (predominant) SE S NE E E N SW									
Precipitation (total) <sup>3</sup>										

Carter Carburetor Daily Work Activities									
Monday Tuesday Wednesday Thursday Friday Saturday Sunda									
Site Activity	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/14/2015	3/15/2015		
Dry Ice Blasting	Χ	Χ	Х	Χ	Χ				
Power Washing									

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

Air Monitoring / Sampling Results - Station 1 (Results reported in μg/m³)											
	Type of	Standard /	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday		
Parameter	Analysis	Action Level	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/14/2015	3/15/2015		
PM <sub>10</sub>	Real-	150 μg/m <sup>3</sup>									
(24-hour TWA)	time	(NAAQS)	33.9	47.1	79.0	101.8	38.6		24.5		
Lead		$0.15  \mu g/m^3$									
(in air sample)	Lab	(NAAQS)	<0.078	<0.078	<0.077	<0.081					
	No laboratory samples collected Friday, 3/13/2015, through Sunday, 3/15/2015 (weekend). Foggy conditions created false positives for 1-hour TWAs on Wednesday, 3/11/2015, and										
	Thursday, 3,	/12/2015; TWA resu	Its returned to normal	as fog lifted. PM 10 air i	monitoring results were	not collect on Saturda	ay, 3/14/2015, due to a	an data storage capaci	ty overrun, the		
Comments	problem wa	s correct and air mo	nitoring resumed on Su	inday, 3/15/2015.							

Air Monitoring / Sampling Results - Station 2 (Results reported in μg/m³)											
	Type of	Standard /	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday		
Parameter	Analysis	Action Level	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/14/2015	3/15/2015		
PM <sub>10</sub>	Real-	150 μg/m <sup>3</sup>									
(24-hour TWA)	time	(NAAQS)	15.4	29.5	41.1	80.9	24.6		7.3		
Lead		$0.15  \mu g/m^3$									
(in air sample)	Lab	(NAAQS)	<0.074	<0.074	<0.072	<0.075					
	No laborato	ry samples collected	d Friday, 3/13/2015, thr	ough Sunday, 3/15/20	15 (weekend). Foggy co	onditions created false	positives for 1-hour T	WAs on Wednesday, 3	/11/2015: TWA		

No laboratory samples collected Friday, 3/13/2015, through Sunday, 3/15/2015 (weekend). Foggy conditions created false positives for 1-hour TWAs on Wednesday, 3/11/2015; TWA results returned to normal as fog lifted. PM<sub>10</sub> air monitoring results were not collect on Saturday, 3/14/2015, due to an data storage capacity overrun, the problem was correct and air monitoring resumed on Sunday, 3/15/2015.

## Carter Carburetor Weekly Air Monitoring & Sampling Report March 8, 2015 – March 15, 2015

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	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/14/2015	3/15/2015		
PM <sub>10</sub>	Real-	150 μg/m <sup>3</sup>									
(24-hour TWA)	time	(NAAQS)	12.2	24.9	97.0	80.7	22.9		5.2		
Lead		$0.15  \mu g/m^3$									
(in air sample)	Lab	(NAAQS)	<0.083	<0.083	<0.082	<0.084					
		Io laboratory samples collected Friday, 3/13/2015, through Sunday, 3/15/2015 (weekend). Foggy conditions created false positives for 1-hour TWAs on Wednesday, 3/11/2015; TWA esults returned to normal as fog lifted. PM <sub>10</sub> air monitoring results were not collect on Saturday, 3/14/2015, due to an data storage capacity overrun, the problem was correct and air									
Comments		resumed on Sunday	•	0	,,,,,	,,		, , , , , , , , , , , , , , , , , , , ,			

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	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/14/2015	3/15/2015		
PM <sub>10</sub>	Real-	150 μg/m <sup>3</sup>									
(24-hour TWA)	time	(NAAQS)	13.0	26.7	116.2	74.1	30.7		490.0		
Lead		$0.15  \mu g/m^3$									
(in air sample)	Lab	(NAAQS)	<0.071	<0.069		<0.071					
	No laboratory samples collected Friday, 3/13/2015, through Sunday, 3/15/2015 (weekend). No laboratory sample was collected on Wednesday, 3/11/2015, due to an air sampling pump										
	malfunction	alfunction. Foggy conditions created false positives for 1-hour TWAs on Wednesday, 3/11/2015; TWA results returned to normal as fog lifted. PM <sub>10</sub> air monitoring results were not collect									
	on Saturday	, 3/14/2015, due to	an data storage capaci	ty overrun, the probler	n was correct and air m	onitoring resumed on	Sunday, 3/15/2015. T	he PM <sub>10</sub> 24-hour TWA	was exceeded on		

## Legend:

**Comments** 

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

Sunday, 3/15/2015, due to an equipment malfunction; the equipment was replaced.

Red shading – indicates the 24-hour TWA exceeded the applicable standard/action level; initiate corrective action

Orange shading – indicates no data are available

NAAQS - National Ambient Air Quality Standard

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>2</sup> Wind speed reported in miles per hour
- <sup>3</sup> Precipitation reported in inches

