US ERA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report February 16, 2015 – February 22, 2015

Carter Carburetor Daily Weather Conditions								
Monday Tuesday Wednesday Thursday Friday Saturday Sunday 2/16/2015 2/17/2015 2/18/2015 2/19/2015 2/20/2015 2/21/2015 2/22/2015								
Temperature (range) ¹	8-21	10-35	6-22	1-18	12-28	28-41	13-36	
Wind Speed (peak & average) ²	15 / 7.1	28 / 7.3	29 / 14.1	15 / 6.4	22 / 13.0	13 / 4.4	21 / 13.0	
Wind Direction (predominant)	N	NW	NW	Е	S	N	N	
Precipitation (total) ³	0.25	0.02	0.01	0.00	0.14	0.09	0.00	

Carter Carburetor Daily Work Activities							
Monday Tuesday Wednesday Thursday Friday Saturday Sunday							
Site Activity	2/16/2015	2/17/2015	2/18/2015	2/19/2015	2/20/2015	2/21/2015	2/22/2015
Dry Ice Blasting		Χ	Х	Χ	Χ		
Power Washing							

Daily Air Monitoring and Sampling Results

			Air Monitoring	/ Sampling Resul	lts - Station 1 (Resu	ılts reported in με	g/m³)		
	Type of	Standard /	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Parameter	Analysis	Action Level	2/16/2015	2/17/2015	2/18/2015	2/19/2015	2/20/2015	2/21/2015	2/22/2015
PM ₁₀ (24-hour TWA)	Real- time	150 μg/m³ (NAAQS)							
Lead (in air sample)	Lab	0.15 μg/m ³ (NAAQS)		< 0.083	< 0.079	< 0.087			
Comments		No laboratory samples collected Friday, 2/20/2015, through Sunday, 2/22/2015 (weekend). PM ₁₀ 24-hour TWA air monitoring results were not collected as the air monitoring equipment had not been deployed.							

			Air Monitoring	/ Sampling Resul	lts - Station 2 (Resi	ults reported in με	g/m³)		
	Type of	Standard /	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Parameter	Analysis	Action Level	2/16/2015	2/17/2015	2/18/2015	2/19/2015	2/20/2015	2/21/2015	2/22/2015
PM ₁₀	Real-	150 μg/m ³							
(24-hour TWA)	time	(NAAQS)							
Lead		$0.15 \mu g/m^3$							
(in air sample)	Lab	(NAAQS)		< 0.062	< 0.061	< 0.066			
	•	No laboratory samples collected Friday, 2/20/2015, through Sunday, 2/22/2015 (weekend). PM ₁₀ 24-hour TWA air monitoring results w						ring results were	
Comments		not collected as the air monitoring equipment had not been deployed.							

Carter Carburetor Weekly Air Monitoring & Sampling Report February 16, 2015 – February 22, 2015

			Air Monitoring	g / Sampling Resu	lts - Station 3 (Resu	ults reported in με	g/m³)		
	Type of	Standard /	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Parameter	Analysis	Action Level	2/16/2015	2/17/2015	2/18/2015	2/19/2015	2/20/2015	2/21/2015	2/22/2015
PM ₁₀	Real-	150 μg/m ³							
(24-hour TWA)	time	(NAAQS)							
Lead		$0.15 \mu g/m^3$							
(in air sample)	Lab	(NAAQS)		< 0.081	< 0.080	< 0.088			
	•	No laboratory samples collected Friday, 2/20/2015, through Sunday, 2/22/2015 (weekend). PM ₁₀ 24-hour TWA air monitoring results wer						ing results were	
Comments		not collected a	not collected as the air monitoring equipment had not been deployed.						

			Air Monitoring	g / Sampling Resul	ts - Station 4 (Resu	ılts reported in μg	/m³)		
	Type of	Standard /	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Parameter	Analysis	Action Level	2/16/2015	2/17/2015	2/18/2015	2/19/2015	2/20/2015	2/21/2015	2/22/2015
PM ₁₀	Real-	150 μg/m ³							
(24-hour TWA)	time	(NAAQS)							
Lead		$0.15 \mu g/m^3$							
(in air sample)	Lab	(NAAQS)							
		Electrical servi	ice has not been in	stalled at air statio	n. PM ₁₀ 24-hour T	WA air monitoring	results were not	collected as the a	ir monitoring
Comments		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

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)

μg/m³ – Micrograms per cubic meter

- ¹Temperature reported in degrees Fahrenheit
- ² Wind speed reported in miles per hour
- ³ Precipitation reported in inches

