

Carter Carburetor Weekly Air Monitoring & Sampling Report

September 28, 2015 – October 04, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 9/28/2015	Tuesday 9/29/2015	Wednesday 9/30/2015	Thursday 10/01/2015	Friday 10/02/2015	Saturday 10/03/2015	Sunday 10/04/2015
Temperature (range) ¹	84-66	79-63	72-56	69-49	70-49	60-47	60-50
Wind Speed (peak & average) ²	16.1 / 4.0	21.0 / 5.8	23.0 / 10.1	29.1 / 11.4	25.1 / 12.5	25.9 / 12.1	25.1 / 8.3
Wind Direction (predominant)	S	NW	N	NE	NE	NE	NE
Precipitation (total) ³	Trace	1.03	0.00	0.00	0.00	0.00	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 9/28/2015	Tuesday 9/29/2015	Wednesday 9/30/2015	Thursday 10/01/2015	Friday 10/02/2015	Saturday 10/03/2015	Sunday 10/04/2015
Collecting scrap metal and rebar				X	X		
Demolition of CBI Building		X	X	X	X		
Die Cast area material being excavated	X	X	X	X	X		
Trucks deconned and washed before leaving site	X	X	X	X			

Daily Air Monitoring and Sampling Results

Air Monitoring / Sampling Results - Station 1 LINC 127 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/28/2015	Tuesday 9/29/2015	Wednesday 9/30/2015	Thursday 10/01/2015	Friday 10/02/2015	Saturday 10/03/2015	Sunday 10/04/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	31.0	21.2	7.5	9.5	10.4	9.1	17.7
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND		0.277			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND		ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND		ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND		ND			
Comments	Laboratory samples collected Tuesday, 9/29/2015, and Thursday, 10/01/2015.								

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Air Monitoring / Sampling Results - Station 2 LINC 126 (Results reported in $\mu\text{g}/\text{m}^3$)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/28/2015	Tuesday 9/29/2015	Wednesday 9/30/2015	Thursday 10/01/2015	Friday 10/02/2015	Saturday 10/03/2015	Sunday 10/04/2015
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	22.2	16.3	3.8	4.6	4.8	5.1	12.2
Aroclor - 1242 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		1.07		ND			
Aroclor - 1248 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND		ND			
Aroclor - 1254 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND		ND			
Aroclor - 1260 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND		ND			
Comments	Laboratory samples collected Tuesday, 9/29/2015, and Thursday, 10/01/2015.								

Air Monitoring / Sampling Results - Station 3 LINC 123 (Results reported in $\mu\text{g}/\text{m}^3$)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/28/2015	Tuesday 9/29/2015	Wednesday 9/30/2015	Thursday 10/01/2015	Friday 10/02/2015	Saturday 10/03/2015	Sunday 10/04/2015
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	27.6	19.6	6.1	6.8	7.5	7.6	15.5
Aroclor - 1242 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		0.0924		ND			
Aroclor - 1248 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND		ND			
Aroclor - 1254 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND		ND			
Aroclor - 1260 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND		ND			
Comments	Laboratory samples collected Tuesday, 9/29/2015, and Thursday, 10/01/2015.								

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Air Monitoring / Sampling Results - Station 4 LINC 128 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/28/2015	Tuesday 9/29/2015	Wednesday 9/30/2015	Thursday 10/01/2015	Friday 10/02/2015	Saturday 10/03/2015	Sunday 10/04/2015
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	18.0	11.8	1.5	2.1	2.2	2.6	9.1
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND					
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND					
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND					
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND					
Comments	Laboratory sample collected Tuesday, 9/29/2015. No laboratory sample collected Thursday, 10/01/2015, due to air sampling equipment malfunction.								

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/28/2015	Tuesday 9/29/2015	Wednesday 9/30/2015	Thursday 10/01/2015	Friday 10/02/2015	Saturday 10/03/2015	Sunday 10/04/2015
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	35.6	21.8	3.6	5.5	6.5	7.3	18.9
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		0.839		ND			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND		ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND		ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND		ND			
Comments	Laboratory samples collected Tuesday, 9/29/2015, and Thursday, 10/01/2015.								

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	Blue shading – indicates no data are available
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Aroclor – Monsanto mixture of polychlorinated biphenyl (PCB) congeners
 NAAQS – National Ambient Air Quality Standard
 ND – Not detected
 PCB – Polychlorinated biphenyl
 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
²Wind speed reported in miles per hour
³Precipitation reported in inches

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