

Carter Carburetor Weekly Air Monitoring & Sampling Report

September 21, 2015 – September 27, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 9/21/2015	Tuesday 9/22/2015	Wednesday 9/23/2015	Thursday 9/24/2015	Friday 9/25/2015	Saturday 9/26/2015	Sunday 9/27/2015
Temperature (range) ¹	79-56	83-59	85-59	85-60	86-60	77-62	77-68
Wind Speed (peak & average) ²	17.0 / 4.3	14.1 / 3.1	15.0 / 3.4	16.1 / 2.7	18.1 / 4.7	21.0 / 6.9	14.1 / 6.5
Wind Direction (predominant)	SE	SE	SE	E	NE	SE	S
Precipitation (total) ³	0.00	0.00	0.00	0.00	0.00	0.00	Trace

Carter Carburetor Daily Work Activities							
Site Activity	Monday 9/21/2015	Tuesday 9/22/2015	Wednesday 9/23/2015	Thursday 9/24/2015	Friday 9/25/2015	Saturday 9/26/2015	Sunday 9/27/2015
Die Cast area material being excavated	X	X	X	X	X		
Separation of rebar/scrap from Willco building rubble	X	X	X	X	X		
Trucks deconned and washed before leaving site	X	X	X	X	X		

Daily Air Monitoring and Sampling Results

Air Monitoring / Sampling Results - Station 1 LINC 127 (Results reported in µg/m³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/21/2015	Tuesday 9/22/2015	Wednesday 9/23/2015	Thursday 9/24/2015	Friday 9/25/2015	Saturday 9/26/2015	Sunday 9/27/2015
PM₁₀ (24-hour TWA)	Real-time	150 µg/m³ (NAAQS)	13.2	16.6	21.1	22.9	19.1	10.0	16.9
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		0.0426		0.134			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Comments	Laboratory samples collected Tuesday, 9/22/2015, and Thursday, 9/24/2015.								

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Air Monitoring / Sampling Results - Station 2 LINC 126 (Results reported in µg/m³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/21/2015	Tuesday 9/22/2015	Wednesday 9/23/2015	Thursday 9/24/2015	Friday 9/25/2015	Saturday 9/26/2015	Sunday 9/27/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m³ (NAAQS)	16.1	10.9	13.5	15.0	10.4	6.3	11.7
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		0.350		0.184			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Comments	Laboratory samples collected Tuesday, 9/22/2015, and Thursday, 9/24/2015. On Monday, 9/21/2015, Metropolitan Sewer District (MSD) conducted concrete cutting in the area, creating a temporary dust cloud that caused the 1-hour TWA for PM10 to exceed the action level.								

Air Monitoring / Sampling Results - Station 3 LINC 123 (Results reported in µg/m³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/21/2015	Tuesday 9/22/2015	Wednesday 9/23/2015	Thursday 9/24/2015	Friday 9/25/2015	Saturday 9/26/2015	Sunday 9/27/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m³ (NAAQS)	10.9	13.3	18.9	22.0	14.1	8.4	14.4
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		0.0422		0.0577			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)		ND		ND			
Comments	Laboratory samples collected Tuesday, 9/22/2015, and Thursday, 9/24/2015.								

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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 9/21/2015	Tuesday 9/22/2015	Wednesday 9/23/2015	Thursday 9/24/2015	Friday 9/25/2015	Saturday 9/26/2015	Sunday 9/27/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	12.0	6.6	10.2	12.3	6.0	2.9	5.0
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)				0.0416			
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	No laboratory sample collected on Tuesday, 9/22/2015, due to air sampling equipment malfunction. Air sampling equipment fixed and laboratory samples collected Thursday, 9/24/2015.								

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/21/2015	Tuesday 9/22/2015	Wednesday 9/23/2015	Thursday 9/24/2015	Friday 9/25/2015	Saturday 9/26/2015	Sunday 9/27/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	10.8	14.9	19.9	23.4	13.4	7.3	17.0
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		0.221		0.0853			
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, 9/22/2015, and Thursday, 9/24/2015.								

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

¹ Temperature reported in degrees Fahrenheit

² Wind speed reported in miles per hour

³ Precipitation reported in inches

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