

Carter Carburetor Weekly Air Monitoring & Sampling Report

October 05, 2015 – October 11, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 10/05/2015	Tuesday 10/06/2015	Wednesday 10/07/2015	Thursday 10/08/2015	Friday 10/09/2015	Saturday 10/10/2015	Sunday 10/11/2015
Temperature (range) ¹	72-54	77-61	75-62	85-59	70-54	71-50	81-54
Wind Speed (peak & average) ²	15.0 / 5.4	15.0 / 4.9	12.1 / 2.5	19.9 / 5.8	23.0 / 8.9	14.1 / 2.0	21.9 / 7.6
Wind Direction (predominant)	NW	N	W	SW	NW	SW	S
Precipitation (total) ³	0.00	0.00	0.00	Trace	Trace	0.00	0.00

Carter Carburetor Daily Work Activities (No site activities on Wednesday, 10/07/2015)							
Site Activity	Monday 10/05/2015	Tuesday 10/06/2015	Wednesday 10/07/2015	Thursday 10/08/2015	Friday 10/09/2015	Saturday 10/10/2015	Sunday 10/11/2015
Collecting scrap metal and rebar				X	X		
Demolition of CBI Building	X	X		X	X		
Die Cast area material being excavated	X	X					
Pulverizing building rubble	X	X		X	X		
Trucks deconned and washed before leaving site	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 10/05/2015	Tuesday 10/06/2015	Wednesday 10/07/2015	Thursday 10/08/2015	Friday 10/09/2015	Saturday 10/10/2015	Sunday 10/11/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	35.3	35.8	25.3	27.3	19.6	12.6	16.0
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		0.188			0.0210		
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, 10/06/2015, and Friday, 10/09/2015.							

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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 10/05/2015	Tuesday 10/06/2015	Wednesday 10/07/2015	Thursday 10/08/2015	Friday 10/09/2015	Saturday 10/10/2015	Sunday 10/11/2015
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	23.3	24.7	17.2	21.5	9.9	7.7	10.3
Aroclor - 1242 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		0.0458			1.58		
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, 10/06/2015, and Friday, 10/09/2015.								

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 10/05/2015	Tuesday 10/06/2015	Wednesday 10/07/2015	Thursday 10/08/2015	Friday 10/09/2015	Saturday 10/10/2015	Sunday 10/11/2015
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	31.5	33.8	23.9	25.5	13.6	10.4	14.1
Aroclor - 1242 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND			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, 10/06/2015, and Friday, 10/09/2015.								

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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 10/05/2015	Tuesday 10/06/2015	Wednesday 10/07/2015	Thursday 10/08/2015	Friday 10/09/2015	Saturday 10/10/2015	Sunday 10/11/2015
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	22.8	23.5	15.8	16.0	6.7	4.6	7.0
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)							
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)							
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)							
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)							
Comments	No laboratory samples collected Tuesday, 10/06/2015, or Friday, 10/09/2015, due to waiting on replacement of malfunctioning air sampling equipment.								

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 10/05/2015	Tuesday 10/06/2015	Wednesday 10/07/2015	Thursday 10/08/2015	Friday 10/09/2015	Saturday 10/10/2015	Sunday 10/11/2015
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	38.7	39.9	27.2	36.7	14.8	11.1	15.8
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		ND			0.496		
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, 10/06/2015, and Friday, 10/09/2015.								

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

