

## Carter Carburetor Weekly Air Monitoring & Sampling Report

September 14, 2015 – September 20, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 9/14/2015	Tuesday 9/15/2015	Wednesday 9/16/2015	Thursday 9/17/2015	Friday 9/18/2015	Saturday 9/19/2015	Sunday 9/20/2015
Temperature (range) <sup>1</sup>	83-60	85-60	87-62	91-71	92-76	81-59	76-57
Wind Speed (peak & average) <sup>2</sup>	23.0 / 9.8	23.9 / 11.0	23.9 / 8.9	25.9 / 11.4	21.9 / 10.1	29.1 / 9.8	17.0 / 3.4
Wind Direction (predominant)	SE	S	SE	S	S	NW	E
Precipitation (total) <sup>3</sup>	0.00	0.00	0.00	0.00	0.00	Trace	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 9/14/2015	Tuesday 9/15/2015	Wednesday 9/16/2015	Thursday 9/17/2015	Friday 9/18/2015	Saturday 9/19/2015	Sunday 9/20/2015
Demolition of Wilco building	X						
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/m <sup>3</sup> )									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/14/2015	Tuesday 9/15/2015	Wednesday 9/16/2015	Thursday 9/17/2015	Friday 9/18/2015	Saturday 9/19/2015	Sunday 9/20/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m <sup>3</sup> (NAAQS)	9.9	12.2	16.7	21.2	25.8	8.3	7.6
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
Comments		Laboratory samples collected Monday, 9/14/2015, and Wednesday, 9/16/2015.							

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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 9/14/2015	Tuesday 9/15/2015	Wednesday 9/16/2015	Thursday 9/17/2015	Friday 9/18/2015	Saturday 9/19/2015	Sunday 9/20/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	6.1	8.2	11.9	15.0	21.0	5.2	4.3
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)	ND		0.134				
<b>Aroclor - 1248 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)	ND		ND				
<b>Aroclor - 1254 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)	ND		ND				
<b>Aroclor - 1260 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)	ND		ND				
<b>Comments</b>		Laboratory samples collected Monday, 9/14/2015, and Wednesday, 9/16/2015.							

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 9/14/2015	Tuesday 9/15/2015	Wednesday 9/16/2015	Thursday 9/17/2015	Friday 9/18/2015	Saturday 9/19/2015	Sunday 9/20/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	8.2	11.6	16.0	18.7	22.7	7.7	6.4
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			0.0671				
<b>Aroclor - 1248 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND				
<b>Aroclor - 1254 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND				
<b>Aroclor - 1260 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND				
<b>Comments</b>		No laboratory samples collected on Monday, 9/14/2015, due to necessary replacement of air sampling equipment. Laboratory samples collected Wednesday, 9/16/2015.							

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Air Monitoring / Sampling Results - Station 4 LINC 128 (Results reported in µg/m <sup>3</sup> )									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/14/2015	Tuesday 9/15/2015	Wednesday 9/16/2015	Thursday 9/17/2015	Friday 9/18/2015	Saturday 9/19/2015	Sunday 9/20/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 µg/m <sup>3</sup> (NAAQS)	2.5	4.0	6.7	10.1	13.8	2.6	1.8
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
<b>Aroclor - 1248 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
<b>Aroclor - 1254 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
<b>Aroclor - 1260 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
<b>Comments</b>		Laboratory samples collected Monday, 9/14/2015, and Wednesday, 9/16/2015.							

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m <sup>3</sup> )									
Parameter	Type of Analysis	Standard / Action Level	Monday 9/14/2015	Tuesday 9/15/2015	Wednesday 9/16/2015	Thursday 9/17/2015	Friday 9/18/2015	Saturday 9/19/2015	Sunday 9/20/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 µg/m <sup>3</sup> (NAAQS)	7.3	8.2	18.1	24.4	30.8	5.5	4.4
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	0.0110		0.633				
<b>Aroclor - 1248 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
<b>Aroclor - 1254 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
<b>Aroclor - 1260 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)	ND		ND				
<b>Comments</b>		Laboratory samples collected Monday, 9/14/2015, and Wednesday, 9/16/2015.							

**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  
 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

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