

## Carter Carburetor Weekly Air Monitoring & Sampling Report

November 16, 2015 – November 22, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 11/16/2015	Tuesday 11/17/2015	Wednesday 11/18/2015	Thursday 11/19/2015	Friday 11/20/2015	Saturday 11/21/2015	Sunday 11/22/2015
Temperature (range) <sup>1</sup>	57-50	69-54	66-50	56-36	54-33	47-25	43-23
Wind Speed (peak & average) <sup>2</sup>	25.9 / 12.8	36.9 / 18.3	40.9 / 17.0	30.0 / 11.0	32.0 / 9.2	40.9 / 13.0	19.9 / 6.5
Wind Direction (predominant)	SE	SE	SW	W	SE	NW	SE
Precipitation (total) <sup>3</sup>	1.04	1.85	0.04	0.00	0.02	0.52	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 11/16/2015	Tuesday 11/17/2015	Wednesday 11/18/2015	Thursday 11/19/2015	Friday 11/20/2015	Saturday 11/21/2015	Sunday 11/22/2015
Demolition of CBI building	X	X	X	X	X		
Demolition of die cast area foundation			X				
Die cast area excavation	X			X	X		
Die cast area materials hauled off site				X	X		
Processing building rubble	X	X	X	X	X		
Scrap metal and rebar collection	X	X	X	X	X		
Scrap metal and rebar hauled off site		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 11/16/2015	Tuesday 11/17/2015	Wednesday 11/18/2015	Thursday 11/19/2015	Friday 11/20/2015	Saturday 11/21/2015	Sunday 11/22/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m <sup>3</sup> (NAAQS)	17.4	15.0	8.7	15.7	15.0	10.6	12.6
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 Tuesday, 11/17/2015, and Thursday, 11/19/2015.								

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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 11/16/2015	Tuesday 11/17/2015	Wednesday 11/18/2015	Thursday 11/19/2015	Friday 11/20/2015	Saturday 11/21/2015	Sunday 11/22/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	11.2	9.2	4.7	5.4	7.9	5.4	6.7
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		0.216		0.339			
<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 Tuesday, 11/17/2015, and Thursday, 11/19/2015.								

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 11/16/2015	Tuesday 11/17/2015	Wednesday 11/18/2015	Thursday 11/19/2015	Friday 11/20/2015	Saturday 11/21/2015	Sunday 11/22/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	14.3	12.8	11.6	8.1	13.5	8.6	11.4
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		0.345		ND			
<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 Tuesday, 11/17/2015, and Thursday, 11/19/2015.								

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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 11/16/2015	Tuesday 11/17/2015	Wednesday 11/18/2015	Thursday 11/19/2015	Friday 11/20/2015	Saturday 11/21/2015	Sunday 11/22/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 µg/m <sup>3</sup> (NAAQS)	7.7	5.7	1.7	2.8	12.0	3.1	4.5
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)							
<b>Aroclor - 1248 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)							
<b>Aroclor - 1254 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)							
<b>Aroclor - 1260 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)							
<b>Comments</b>		Laboratory samples not collected Tuesday, 11/17/2015, or Thursday, 11/19/2015, due to absence of power module.							

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m <sup>3</sup> )									
Parameter	Type of Analysis	Standard / Action Level	Monday 11/16/2015	Tuesday 11/17/2015	Wednesday 11/18/2015	Thursday 11/19/2015	Friday 11/20/2015	Saturday 11/21/2015	Sunday 11/22/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 µg/m <sup>3</sup> (NAAQS)	21.9	18.6	11.7	6.6	13.3	11.5	15.1
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)		0.177		0.276			
<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 Tuesday, 11/17/2015, and Thursday, 11/19/2015.							

**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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