

## Carter Carburetor Weekly Air Monitoring & Sampling Report

February 15, 2016 – February 21, 2016

Carter Carburetor Daily Weather Conditions							
	Monday 2/15/2016	Tuesday 2/16/2016	Wednesday 2/17/2016	Thursday 2/18/2016	Friday 2/19/2016	Saturday 2/20/2016	Sunday 2/21/2016
Temperature (range) <sup>1</sup>	42-29	41-33	50-36	61-35	77-49	78-48	59-40
Wind Speed (peak & average) <sup>2</sup>	12.1 / 4.3	17.0 / 6.9	15.0 / 5.4	33.1 / 15.0	42.9 / 14.8	21.9 / 6.0	23.0 / 9.6
Wind Direction (predominant)	SE	NW	E	SE	SW	NE	N
Precipitation (total) <sup>3</sup>	0.00	0.06	0.00	0.00	0.00	0.02	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 2/15/2016	Tuesday 2/16/2016	Wednesday 2/17/2016	Thursday 2/18/2016	Friday 2/19/2016	Saturday 2/20/2016	Sunday 2/21/2016
Backfilling of Die Cast area excavation					X		
Collection of scrap metal and rebar	X	X	X	X			
Dewatering of excavation area			X		X		
Die Cast area base inspected and approved				X	X		
Die Cast area material hauled off site		X	X	X			
Excavation of Die Cast area		X	X	X			
Processing of building rubble	X	X	X	X			
Scrap metal and rebar hauled off site	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 2/15/2016	Tuesday 2/16/2016	Wednesday 2/17/2016	Thursday 2/18/2016	Friday 2/19/2016	Saturday 2/20/2016	Sunday 2/21/2016
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m <sup>3</sup> (NAAQS)	89.8	92.4	46.6	41.4	18.8	27.6	26.5
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Comments	Laboratory sample collected on Thursday, 2/18/2016.								

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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 2/15/2016	Tuesday 2/16/2016	Wednesday 2/17/2016	Thursday 2/18/2016	Friday 2/19/2016	Saturday 2/20/2016	Sunday 2/21/2016
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	62.1	64.5	31.3	27.0	13.3	17.7	16.8
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)				0.0828			
<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)				0.00718			
<b>Comments</b>	Laboratory sample collected on Thursday, 2/18/2016.								

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 2/15/2016	Tuesday 2/16/2016	Wednesday 2/17/2016	Thursday 2/18/2016	Friday 2/19/2016	Saturday 2/20/2016	Sunday 2/21/2016
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	82.4	85.9	42.0	40.9	17.4	24.1	22.6
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)				0.129			
<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>	Laboratory sample collected on Thursday, 2/18/2016.								

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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 2/15/2016	Tuesday 2/16/2016	Wednesday 2/17/2016	Thursday 2/18/2016	Friday 2/19/2016	Saturday 2/20/2016	Sunday 2/21/2016
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m <sup>3</sup> (NAAQS)	60.5	63.3	27.7	22.8			13.5
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
<b>Comments</b>	Laboratory sample collected on Thursday, 2/18/2016. Real-time air monitoring equipment did not record data due to malfunction on Friday, 2/19/2016, and Saturday, 2/20/2016. Malfunction was corrected and real-time air monitoring resumed on Sunday, 2/21/2016.								

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m <sup>3</sup> )									
Parameter	Type of Analysis	Standard / Action Level	Monday 2/15/2016	Tuesday 2/16/2016	Wednesday 2/17/2016	Thursday 2/18/2016	Friday 2/19/2016	Saturday 2/20/2016	Sunday 2/21/2016
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m <sup>3</sup> (NAAQS)	105.1	108.4	56.1	52.5	27.1	35.1	33.6
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				0.0463			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
<b>Comments</b>	Laboratory sample collected on Thursday, 2/18/2016. Haze and dense fog caused the 1-hour TWA to exceed the action level on Monday, 2/15/2016.								

**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

