

## Carter Carburetor Weekly Air Monitoring & Sampling Report

February 01, 2016 – February 07, 2016

Carter Carburetor Daily Weather Conditions							
	Monday 2/01/2016	Tuesday 2/02/2016	Wednesday 2/03/2016	Thursday 2/04/2016	Friday 2/05/2016	Saturday 2/06/2016	Sunday 2/07/2016
Temperature (range) <sup>1</sup>	54-39	66-42	50-30	43-22	42-27	58-28	55-38
Wind Speed (peak & average) <sup>2</sup>	19.9 / 6.0	32.0 / 12.8	36.0 / 17.9	23.9 / 8.1	13.0 / 4.0	25.1 / 6.7	38.0 / 13.0
Wind Direction (predominant)	E	SE	W	W	SW	W	W
Precipitation (total) <sup>3</sup>	0.00	0.15	Trace	0.00	0.00	0.00	Trace

Carter Carburetor Daily Work Activities							
Site Activity	Monday 2/01/2016	Tuesday 2/02/2016	Wednesday 2/03/2016	Thursday 2/04/2016	Friday 2/05/2016	Saturday 2/06/2016	Sunday 2/07/2016
Backfilling of excavation area			X				
Collection of scrap metal and rebar	X	X	X	X	X		
Dewatering of excavation area	X	X					
Excavation base inspection		X					
Excavation of die cast area	X	X					
Processing of building rubble	X	X	X	X	X		
Scrap metal and rebar hauled off site			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 2/01/2016	Tuesday 2/02/2016	Wednesday 2/03/2016	Thursday 2/04/2016	Friday 2/05/2016	Saturday 2/06/2016	Sunday 2/07/2016
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m <sup>3</sup> (NAAQS)	16.2	33.0	15.3	16.7	25.4	32.6	19.8
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)		0.00745		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 on Tuesday, 2/02/2016, and Thursday, 2/04/2016.							

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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 2/01/2016	Tuesday 2/02/2016	Wednesday 2/03/2016	Thursday 2/04/2016	Friday 2/05/2016	Saturday 2/06/2016	Sunday 2/07/2016
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	10.1	21.9	9.6	10.2	16.1	21.4	11.9
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND		0.128			
<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 on Tuesday, 2/02/2016, and Thursday, 2/04/2016.								

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 2/01/2016	Tuesday 2/02/2016	Wednesday 2/03/2016	Thursday 2/04/2016	Friday 2/05/2016	Saturday 2/06/2016	Sunday 2/07/2016
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	12.4	34.4	12.0	12.5	20.4	28.0	16.3
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		0.0311		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 on Tuesday, 2/02/2016, and Thursday, 2/04/2016.								

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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 2/01/2016	Tuesday 2/02/2016	Wednesday 2/03/2016	Thursday 2/04/2016	Friday 2/05/2016	Saturday 2/06/2016	Sunday 2/07/2016
<b>PM<sub>10</sub></b> <b>(24-hour TWA)</b>	Real-time	150 µg/m <sup>3</sup> (NAAQS)	4.7	17.1	4.5	5.6	12.1	18.2	8.1
<b>Aroclor - 1242</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)		0.0417		ND			
<b>Aroclor - 1248</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)		ND		ND			
<b>Aroclor - 1254</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)		ND		ND			
<b>Aroclor - 1260</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)		ND		ND			
<b>Comments</b>		Laboratory samples collected on Tuesday, 2/02/2016, and Thursday, 2/04/2016.							

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m <sup>3</sup> )									
Parameter	Type of Analysis	Standard / Action Level	Monday 2/01/2016	Tuesday 2/02/2016	Wednesday 2/03/2016	Thursday 2/04/2016	Friday 2/05/2016	Saturday 2/06/2016	Sunday 2/07/2016
<b>PM<sub>10</sub></b> <b>(24-hour TWA)</b>	Real-time	150 µg/m <sup>3</sup> (NAAQS)	22.8	44.0	21.9	24.8	33.4	41.7	27.7
<b>Aroclor - 1242</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
<b>Aroclor - 1248</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
<b>Aroclor - 1254</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
<b>Aroclor - 1260</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)				ND			
<b>Comments</b>		Laboratory sample collected on Thursday, 2/04/2016. Air sampling equipment malfunctioned on Tuesday, 2/02/2016, so that sample was not submitted for analysis.							

**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

