

## Carter Carburetor Weekly Air Monitoring & Sampling Report

October 12, 2015 – October 18, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 10/12/2015	Tuesday 10/13/2015	Wednesday 10/14/2015	Thursday 10/15/2015	Friday 10/16/2015	Saturday 10/17/2015	Sunday 10/18/2015
Temperature (range) <sup>1</sup>	81-64	74-53	76-49	81-50	65-45	56-40	63-36
Wind Speed (peak & average) <sup>2</sup>	33.1 / 12.1	25.1 / 10.3	14.1 / 2.2	25.1 / 6.7	23.9 / 8.5	21.0 / 5.8	19.9 / 6.5
Wind Direction (predominant)	W	W	NW	N	NW	N	SE
Precipitation (total) <sup>3</sup>	Trace	0.00	0.00	Trace	0.00	0.00	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 10/12/2015	Tuesday 10/13/2015	Wednesday 10/14/2015	Thursday 10/15/2015	Friday 10/16/2015	Saturday 10/17/2015	Sunday 10/18/2015
Collecting scrap metal and rebar	X	X	X	X	X		
Demolition of CBI building	X	X	X	X	X		
Hauling out scrap metal and rebar	X				X		
Processing building rubble		X	X	X	X		
Retention wall construction		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 10/12/2015	Tuesday 10/13/2015	Wednesday 10/14/2015	Thursday 10/15/2015	Friday 10/16/2015	Saturday 10/17/2015	Sunday 10/18/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m <sup>3</sup> (NAAQS)	16.1	11.2	20.2	16.1	18.5	12.1	14.6
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)		ND		0.0243			
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, 10/13/2015, and Thursday, 10/15/2015.								

## Carter Carburetor Weekly Air Monitoring & Sampling Report

October 12, 2015 – October 18, 2015

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 10/12/2015	Tuesday 10/13/2015	Wednesday 10/14/2015	Thursday 10/15/2015	Friday 10/16/2015	Saturday 10/17/2015	Sunday 10/18/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	11.6	6.1	11.6	9.6	6.0	5.8	7.9
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		0.302		0.509			
<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, 10/13/2015, and Thursday, 10/15/2015.							

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 10/12/2015	Tuesday 10/13/2015	Wednesday 10/14/2015	Thursday 10/15/2015	Friday 10/16/2015	Saturday 10/17/2015	Sunday 10/18/2015
<b>PM<sub>10</sub> (24-hour TWA)</b>	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	13.9	8.9	19.0	16.7	9.8	9.5	12.4
<b>Aroclor - 1242 (in air sample)</b>	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		ND		0.00884			
<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, 10/13/2015, and Thursday, 10/15/2015.							

## Carter Carburetor Weekly Air Monitoring & Sampling Report

October 12, 2015 – October 18, 2015

Air Monitoring / Sampling Results - Station 4 LINC 128 (Results reported in µg/m <sup>3</sup> )									
Parameter	Type of Analysis	Standard / Action Level	Monday 10/12/2015	Tuesday 10/13/2015	Wednesday 10/14/2015	Thursday 10/15/2015	Friday 10/16/2015	Saturday 10/17/2015	Sunday 10/18/2015
<b>PM<sub>10</sub></b> <b>(24-hour TWA)</b>	Real-time	150 µg/m <sup>3</sup> (NAAQS)	5.8	2.4	11.2	6.4	3.5	4.4	6.8
<b>Aroclor - 1242</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)							
<b>Aroclor - 1248</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)							
<b>Aroclor - 1254</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)							
<b>Aroclor - 1260</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)							
<b>Comments</b>	No laboratory samples collected Tuesday, 10/13/2015, or Thursday, 10/15/2015, due to waiting on replacement of malfunctioning air sampling equipment.								

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m <sup>3</sup> )									
Parameter	Type of Analysis	Standard / Action Level	Monday 10/12/2015	Tuesday 10/13/2015	Wednesday 10/14/2015	Thursday 10/15/2015	Friday 10/16/2015	Saturday 10/17/2015	Sunday 10/18/2015
<b>PM<sub>10</sub></b> <b>(24-hour TWA)</b>	Real-time	150 µg/m <sup>3</sup> (NAAQS)	17.6	7.6	20.4	17.8	9.9	11.2	14.4
<b>Aroclor - 1242</b> <b>(in air sample)</b>	Lab	30.7 µg/m <sup>3</sup> (EPA Region 7)		0.0948		0.206			
<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 Tuesday, 10/13/2015, and Thursday, 10/15/2015.								

**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
--	--	---	--

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

# Carter Carburetor Weekly Air Monitoring & Sampling Report

October 12, 2015 – October 18, 2015

