

Carter Carburetor Weekly Air Monitoring & Sampling Report

January 25, 2016 – January 31, 2016

Carter Carburetor Daily Weather Conditions							
	Monday 1/25/2016	Tuesday 1/26/2016	Wednesday 1/27/2016	Thursday 1/28/2016	Friday 1/29/2016	Saturday 1/30/2016	Sunday 1/31/2016
Temperature (range) ¹	52-32	38-32	43-32	56-34	52-27	66-40	68-44
Wind Speed (peak & average) ²	36.9 / 13.4	33.1 / 13.0	21.0 / 6.9	31.1 / 11.9	23.0 / 6.9	23.9 / 6.9	30.0 / 11.6
Wind Direction (predominant)	W	W	SW	NW	SE	S	W
Precipitation (total) ³	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 1/25/2016	Tuesday 1/26/2016	Wednesday 1/27/2016	Thursday 1/28/2016	Friday 1/29/2016	Saturday 1/30/2016	Sunday 1/31/2016
Boiler hauled off site					X		
Collection of scrap metal and rebar	X	X	X	X	X		
Cutting of north side boiler	X	X	X				
Demolition of CBI building	X	X					
Processing of building rubble	X	X	X	X	X		
Removal of north side boiler	X						
Removal of water tap			X	X	X		

Daily Air Monitoring and Sampling Results

Air Monitoring / Sampling Results - Station 1 LINC 127 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 1/25/2016	Tuesday 1/26/2016	Wednesday 1/27/2016	Thursday 1/28/2016	Friday 1/29/2016	Saturday 1/30/2016	Sunday 1/31/2016
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	32.4	25.9	27.0	13.5	18.2	18.4	20.0
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Comments	Laboratory samples collected Wednesday, 1/27/2016, and Thursday, 1/28/2016.								

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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 1/25/2016	Tuesday 1/26/2016	Wednesday 1/27/2016	Thursday 1/28/2016	Friday 1/29/2016	Saturday 1/30/2016	Sunday 1/31/2016
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	23.5	23.5	18.9	8.9	11.0	10.7	12.7
Aroclor - 1242 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			0.124	0.213			
Aroclor - 1248 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND	ND			
Aroclor - 1254 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND	ND			
Aroclor - 1260 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND	ND			
Comments		Laboratory samples collected Wednesday, 1/27/2016, and Thursday, 1/28/2016.							

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 1/25/2016	Tuesday 1/26/2016	Wednesday 1/27/2016	Thursday 1/28/2016	Friday 1/29/2016	Saturday 1/30/2016	Sunday 1/31/2016
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	42.8	25.5	27.6	10.7	18.2	14.0	16.7
Aroclor - 1242 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND	ND			
Aroclor - 1248 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND	ND			
Aroclor - 1254 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND	ND			
Aroclor - 1260 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)			ND	ND			
Comments		Laboratory samples collected Wednesday, 1/27/2016, and Thursday, 1/28/2016.							

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Air Monitoring / Sampling Results - Station 4 LINC 128 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 1/25/2016	Tuesday 1/26/2016	Wednesday 1/27/2016	Thursday 1/28/2016	Friday 1/29/2016	Saturday 1/30/2016	Sunday 1/31/2016
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	18.3	15.2	14.3	3.4	6.6	5.4	6.9
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Comments		Laboratory samples collected Wednesday, 1/27/2016, and Thursday, 1/28/2016.							

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 1/25/2016	Tuesday 1/26/2016	Wednesday 1/27/2016	Thursday 1/28/2016	Friday 1/29/2016	Saturday 1/30/2016	Sunday 1/31/2016
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	45.0	37.1	40.1	23.3	26.5	25.3	27.4
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			0.0359	0.0491			
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)			ND	ND			
Comments		Laboratory samples collected Wednesday, 1/27/2016, and Thursday, 1/28/2016.							

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

PM₁₀ – 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/m³ – Micrograms per cubic meter

¹Temperature reported in degrees Fahrenheit

²Wind speed reported in miles per hour

³Precipitation reported in inches

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