

Carter Carburetor Weekly Air Monitoring & Sampling Report

January 18, 2016 – January 24, 2016

Carter Carburetor Daily Weather Conditions							
	Monday 1/18/2016	Tuesday 1/19/2016	Wednesday 1/20/2016	Thursday 1/21/2016	Friday 1/22/2016	Saturday 1/23/2016	Sunday 1/24/2016
Temperature (range) ¹	18-5	24-13	29-12	28-17	30-21	36-24	49-27
Wind Speed (peak & average) ²	21.9 / 8.1	18.1 / 7.4	16.1 / 4.9	17.0 / 8.5	25.9 / 12.3	17.0 / 5.8	23.0 / 9.2
Wind Direction (predominant)	W	E	E	NE	N	NW	S
Precipitation (total) ³	0.00	0.17	0.01	0.00	0.00	Trace	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 1/18/2016	Tuesday 1/19/2016	Wednesday 1/20/2016	Thursday 1/21/2016	Friday 1/22/2016	Saturday 1/23/2016	Sunday 1/24/2016
Collection of scrap metal and rebar	X	X	X	X	X		
Demolition of CBI building			X				
Dewatering of excavation area		X	X	X	X		
Filling in excavation area	X	X					
Processing building rubble	X	X	X	X	X		
Removal of boiler			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 1/18/2016	Tuesday 1/19/2016	Wednesday 1/20/2016	Thursday 1/21/2016	Friday 1/22/2016	Saturday 1/23/2016	Sunday 1/24/2016
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	16.9	21.7	30.3	38.3	55.2	42.3	31.7
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 on Tuesday, 1/19/2016, and Wednesday, 1/20/2016.							

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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 1/18/2016	Tuesday 1/19/2016	Wednesday 1/20/2016	Thursday 1/21/2016	Friday 1/22/2016	Saturday 1/23/2016	Sunday 1/24/2016
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	8.5	14.5	21.0	29.0	37.0	29.5	22.3
Aroclor - 1242 (in air sample)	Lab	30.7 $\mu\text{g}/\text{m}^3$ (EPA Region 7)		0.0118	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 on Tuesday, 1/19/2016, and Wednesday, 1/20/2016.								

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 1/18/2016	Tuesday 1/19/2016	Wednesday 1/20/2016	Thursday 1/21/2016	Friday 1/22/2016	Saturday 1/23/2016	Sunday 1/24/2016
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	11.3	18.0	27.3	36.5	48.1	38.0	28.9
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 on Tuesday, 1/19/2016, and Wednesday, 1/20/2016.								

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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 1/18/2016	Tuesday 1/19/2016	Wednesday 1/20/2016	Thursday 1/21/2016	Friday 1/22/2016	Saturday 1/23/2016	Sunday 1/24/2016
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	6.0	10.6	17.9	26.9	36.5	26.6	18.1
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 on Tuesday, 1/19/2016, and Wednesday, 1/20/2016.							

Air Monitoring / Sampling Results - Station 5 LINC 133 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 1/18/2016	Tuesday 1/19/2016	Wednesday 1/20/2016	Thursday 1/21/2016	Friday 1/22/2016	Saturday 1/23/2016	Sunday 1/24/2016
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	26.3	31.9	41.7	55.3	68.0	54.8	44.8
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)		0.00659	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 on Tuesday, 1/19/2016, and Wednesday, 1/20/2016.							

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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