

Carter Carburetor Weekly Air Monitoring & Sampling Report

August 24, 2015 – August 30, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 8/24/2015	Tuesday 8/25/2015	Wednesday 8/26/2015	Thursday 8/27/2015	Friday 8/28/2015	Saturday 8/29/2015	Sunday 8/30/2015
Temperature (range) ¹	83-58	81-58	80-59	81-60	85-64	76-70	80-78
Wind Speed (peak & average) ²	8.9 / 2.9	11.2 / 2.9	8.9 / 3.2	8.9 / 2.6	8.9 / 2.7	4.5 / 2.2	8.9 / 3.2
Wind Direction (predominant)	SW	SW	NE	NE	SW	S	SW
Precipitation (total) ³	0.00	0.00	0.00	0.00	0.00	Trace	0.00

Carter Carburetor Daily Work Activities							
Site Activity	Monday 8/24/2015	Tuesday 8/25/2015	Wednesday 8/26/2015	Thursday 8/27/2015	Friday 8/28/2015	Saturday 8/29/2015	Sunday 8/30/2015
Preparation for excavation	X	X	X	X	X		
Floor removal in CBI building		X	X	X	X		
Wilco building demolition	X	X	X	X	X		

Daily Air Monitoring and Sampling Results

Air Monitoring / Sampling Results - Station 1 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/24/2015	Tuesday 8/25/2015	Wednesday 8/26/2015	Thursday 8/27/2015	Friday 8/28/2015	Saturday 8/29/2015	Sunday 8/30/2015
PM ₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	8.4	10.1	10.6	13.8	18.4	19.9	30.9
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m ³ (EPA Region 7)	ND		0.00746				
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 Monday and Wednesday, 8/24/2015 and 8/26/2015.							

Carter Carburetor Weekly Air Monitoring & Sampling Report

August 24, 2015 – August 30, 2015

Air Monitoring / Sampling Results - Station 2 (Results reported in $\mu\text{g}/\text{m}^3$)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/24/2015	Tuesday 8/25/2015	Wednesday 8/26/2015	Thursday 8/27/2015	Friday 8/28/2015	Saturday 8/29/2015	Sunday 8/30/2015
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	2.4	2.4	4.0	8.3	9.4	13.2	22.6
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)	0.00616		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 Monday and Wednesday, 8/24/2015 and 8/26/2015.								

Air Monitoring / Sampling Results - Station 3 (Results reported in $\mu\text{g}/\text{m}^3$)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/24/2015	Tuesday 8/25/2015	Wednesday 8/26/2015	Thursday 8/27/2015	Friday 8/28/2015	Saturday 8/29/2015	Sunday 8/30/2015
PM₁₀ (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	4.4	5.1	6.6	11.6	14.5	17.5	28.3
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 Monday and Wednesday, 8/24/2015 and 8/26/2015.								

Carter Carburetor Weekly Air Monitoring & Sampling Report

August 24, 2015 – August 30, 2015

Air Monitoring / Sampling Results - Station 4 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/24/2015	Tuesday 8/25/2015	Wednesday 8/26/2015	Thursday 8/27/2015	Friday 8/28/2015	Saturday 8/29/2015	Sunday 8/30/2015
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	2.0	2.0	5.5	7.6	9.3	13.0	19.9
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 Monday and Wednesday, 8/24/2015 and 8/26/2015.							

Air Monitoring / Sampling Results - Station 5 (Results reported in µg/m ³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/24/2015	Tuesday 8/25/2015	Wednesday 8/26/2015	Thursday 8/27/2015	Friday 8/28/2015	Saturday 8/29/2015	Sunday 8/30/2015
PM₁₀ (24-hour TWA)	Real-time	150 µg/m ³ (NAAQS)	1.0	1.2	2.7	9.6	12.4	19.4	35.4
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 Monday and Wednesday, 8/24/2015 and 8/26/2015.							

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

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

¹ Temperature reported in degrees Fahrenheit

² Wind speed reported in miles per hour

³ Precipitation reported in inches

Carter Carburetor Weekly Air Monitoring & Sampling Report

August 24, 2015 – August 30, 2015

