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## Carter Carburetor Weekly Air Monitoring &amp; Sampling Report

March 8, 2015 – March 15, 2015

Air Monitoring / Sampling Results - Station 3 (Results reported in $\mu\text{g}/\text{m}^3$ )									
Parameter	Type of Analysis	Standard / Action Level	Monday 3/9/2015	Tuesday 3/10/2015	Wednesday 3/11/2015	Thursday 3/12/2015	Friday 3/13/2015	Saturday 3/14/2015	Sunday 3/15/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	12.2	24.9	97.0	80.7	22.9		5.2
Lead (in air sample)	Lab	0.15 $\mu\text{g}/\text{m}^3$ (NAAQS)	<0.083	<0.083	<0.082	<0.084			
Comments	No laboratory samples collected Friday, 3/13/2015, through Sunday, 3/15/2015 (weekend). Foggy conditions created false positives for 1-hour TWAs on Wednesday, 3/11/2015; TWA results returned to normal as fog lifted. PM <sub>10</sub> air monitoring results were not collect on Saturday, 3/14/2015, due to an data storage capacity overrun, the problem was correct and air monitoring resumed on Sunday, 3/15/2015.								

Air Monitoring / Sampling Results - Station 4 (Results reported in $\mu\text{g}/\text{m}^3$ )									
Parameter	Type of Analysis	Standard / Action Level	Monday 3/9/2015	Tuesday 3/10/2015	Wednesday 3/11/2015	Thursday 3/12/2015	Friday 3/13/2015	Saturday 3/14/2015	Sunday 3/15/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 $\mu\text{g}/\text{m}^3$ (NAAQS)	13.0	26.7	116.2	74.1	30.7		490.0
Lead (in air sample)	Lab	0.15 $\mu\text{g}/\text{m}^3$ (NAAQS)	<0.071	<0.069		<0.071			
Comments	No laboratory samples collected Friday, 3/13/2015, through Sunday, 3/15/2015 (weekend). No laboratory sample was collected on Wednesday, 3/11/2015, due to an air sampling pump malfunction. Foggy conditions created false positives for 1-hour TWAs on Wednesday, 3/11/2015; TWA results returned to normal as fog lifted. PM <sub>10</sub> air monitoring results were not collect on Saturday, 3/14/2015, due to an data storage capacity overrun, the problem was correct and air monitoring resumed on Sunday, 3/15/2015. The PM <sub>10</sub> 24-hour TWA was exceeded on Sunday, 3/15/2015, due to an equipment malfunction; the equipment was replaced.								

## 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

Orange shading – indicates no data are available

NAAQS – National Ambient Air Quality Standard

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)

$\mu\text{g}/\text{m}^3$  – 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

