

US EPA ARCHIVE DOCUMENT

Carter Carburetor Weekly Air Monitoring & Sampling Report

May 4, 2015 – May 10, 2015

| Carter Carburetor Daily Weather Conditions | | | | | | | |
|--|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|---------------------|
| | Monday 5/04/2015 | Tuesday 5/05/2015 | Wednesday 5/06/2015 | Thursday 5/07/2015 | Friday 5/08/2015 | Saturday 5/09/2015 | Sunday 5/10/2015 |
| Temperature (range) ¹ | 86-68 | 85-67 | 87-67 | 86-68 | 77-66 | 73-65 | 84-66 |
| Wind Speed (peak & average) ² | 21.9 / 9.2 | 23.0 / 8.1 | 36.0 / 10.5 | 28.0 / 10.5 | 28.0 / 4.9 | 16.1 / 6.5 | 44.1 / 7.8 |
| Wind Direction (predominant) | S | SW | S | S | W | E | W |
| Precipitation (total) ³ | 0.01 | Trace | 0.00 | Trace | 0.30 | 0.32 | 0.55 |

| Carter Carburetor Daily Work Activities | | | | | | | |
|---|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|---------------------|
| Site Activity | Monday 5/04/2015 | Tuesday 5/05/2015 | Wednesday 5/06/2015 | Thursday 5/07/2015 | Friday 5/08/2015 | Saturday 5/09/2015 | Sunday 5/10/2015 |
| Window Removal by Torches | 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 5/04/2015 | Tuesday 5/05/2015 | Wednesday 5/06/2015 | Thursday 5/07/2015 | Friday 5/08/2015 | Saturday 5/09/2015 | Sunday 5/10/2015 |
| PM ₁₀ (24-hour TWA) | Real-time | 150 µg/m ³ (NAAQS) | 43.2 | 36.7 | 40.4 | 40.1 | | | |
| Lead (in air sample) | Lab | 0.15 µg/m ³ (NAAQS) | | | | | | | |
| Comments | Site activities are on hold as of Friday, 5/08/2015. Laboratory data sampling has not resumed. | | | | | | | | |

| Air Monitoring / Sampling Results - Station 2 (Results reported in µg/m ³) | | | | | | | | | |
|--|--|-----------------------------------|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|---------------------|
| Parameter | Type of Analysis | Standard / Action Level | Monday 5/04/2015 | Tuesday 5/05/2015 | Wednesday 5/06/2015 | Thursday 5/07/2015 | Friday 5/08/2015 | Saturday 5/09/2015 | Sunday 5/10/2015 |
| PM ₁₀ (24-hour TWA) | Real-time | 150 µg/m ³ (NAAQS) | 96.2 | 67.7 | 68.2 | 58.5 | | | |
| Lead (in air sample) | Lab | 0.15 µg/m ³ (NAAQS) | | | | | | | |
| Comments | Site activities are on hold as of Friday, 5/08/2015. Laboratory data sampling has not resumed. | | | | | | | | |

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| Air Monitoring / Sampling Results - Station 3 (Results reported in µg/m ³) | | | | | | | | | |
|--|---|-----------------------------------|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|---------------------|
| Parameter | Type of Analysis | Standard / Action Level | Monday 5/04/2015 | Tuesday 5/05/2015 | Wednesday 5/06/2015 | Thursday 5/07/2015 | Friday 5/08/2015 | Saturday 5/09/2015 | Sunday 5/10/2015 |
| PM₁₀ (24-hour TWA) | Real-time | 150 µg/m ³ (NAAQS) | 19.1 | 16.6 | 17.0 | 16.6 | | | |
| Lead (in air sample) | Lab | 0.15 µg/m ³ (NAAQS) | | | | | | | |
| Comments | Laboratory data sampling has not resumed. | | | | | | | | |

| Air Monitoring / Sampling Results - Station 4 (Results reported in µg/m ³) | | | | | | | | | |
|--|--|-----------------------------------|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|---------------------|
| Parameter | Type of Analysis | Standard / Action Level | Monday 5/04/2015 | Tuesday 5/05/2015 | Wednesday 5/06/2015 | Thursday 5/07/2015 | Friday 5/08/2015 | Saturday 5/09/2015 | Sunday 5/10/2015 |
| PM₁₀ (24-hour TWA) | Real-time | 150 µg/m ³ (NAAQS) | | | | | | | |
| Lead (in air sample) | Lab | 0.15 µg/m ³ (NAAQS) | | | | | | | |
| Comments | Real-time air monitoring system had a malfunction and is offline. Site activities are on hold as of Friday, 5/08/2015. Laboratory data sampling has not resumed. | | | | | | | | |

| Air Monitoring / Sampling Results - Station 5 (Results reported in µg/m ³) | | | | | | | | | |
|--|--|-----------------------------------|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|---------------------|
| Parameter | Type of Analysis | Standard / Action Level | Monday 5/04/2015 | Tuesday 5/05/2015 | Wednesday 5/06/2015 | Thursday 5/07/2015 | Friday 5/08/2015 | Saturday 5/09/2015 | Sunday 5/10/2015 |
| PM_{2.5} (24-hour TWA) | Real-time | 35 µg/m ³ (NAAQS) | 34.3 | 22.5 | 22.0 | 21.7 | | | |
| Lead (in air sample) | Lab | 0.15 µg/m ³ (NAAQS) | | | | | | | |
| Comments | The 1-hour TWA was exceeded on Monday, 5/04/2015 because of real-time air monitoring system malfunction. The malfunction was repaired as of Tuesday, 5/05/2015. Site activities are on hold as of Friday, 5/08/2015. Laboratory data sampling has not resumed. | | | | | | | | |

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_{2.5} – Particulate matter less than 2.5 microns in size

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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