RK
& ASSOCIATES. INC.

July13, 2017

R11379-2.6

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency - Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

**Ambient Air Lead Monitoring Report**
**Sampling Period of May 19 through June 30, 2017**
**Behr Site - 1100 Seminary Street – Rockford, Illinois 61104**
**Site ID No.: 201030AYB**

To Whom This May Concern:

**Introduction:**

The Behr Site (Site) has implemented an ambient air monitoring program for lead and arsenic in accordance with USEPA Regions V's Request to Provide Information Pursuant to the Clean Air Act, dated May 5, 2015. An ambient air monitoring station has been installed in accordance with the approved *Ambient Air Lead Monitoring Station Siting Proposal* dated July 7, 2014. The site began operation on September 27, 2015. Station operating procedures, sample collection and handling procedures, and sample analytical methods and procedures have been performed in accordance with the revised *Quality Assurance Project Plan (QAPP)* dated January 31, 2017.

Beginning on September 27, 2015, 24-hour TSP samples were collected every third day, in accordance with USEPA's published ambient air sampling schedule (presented in Appendix A), and analyzed for lead (Pb) and arsenic (As)1. Samples are held in sealed envelopes in a controlled area on site until a minimum of eleven samples have been collected. The samples are then sent to RTI International in Research Triangle Park, North Carolina for lead analysis, in accordance with the methods identified in the QAPP. A summary of individual lead measurements reported by RTI for all samples collected during this reporting period is presented in Appendix B.

The Site has also installed a meteorological station to simultaneously record barometric pressure, wind speed, and wind direction during *sample* collection periods. Met data for this reporting period is presented in Appendix C as 1-hour averages.

[1] The initial analytical requirements established by USEPA included lead and arsenic; however, as of October 6, 2016, based on previous analytical results, the requirement to analyze for arsenic was eliminated

**Summary of Ambient Air Monitoring Results for This Reporting Period:**

A summary of the ambient air monitor measurements for sampling events performed on May 19 through June 30, 2017, is presented in Table 1 attached to this correspondence.

This table identifies the sampling date, sample duration, the 24-hour average temperature and barometric pressure data recorded by integrated sensors provided with the high volume sampler (used to adjust actual flow rate to standard conditions), average volumetric air sampling rate, total volume of air collected during each sampling event, as well as the analytical results for lead.

The total mass of lead on the filters (Column J) is divided by the total sample volume at standard conditions (Column H) to identify 24-hour average ambient air lead concentration in Column K.

The monthly mean is reported in Column L. The 3-month mean ambient lead concentration is presented in Column M and is reported as the average of the three most recent monthly means rounded to two significant digits for comparison to rolling 3-month average NAAQS lead standard. The analytical report from RTI International, (subcontracted for filter analyses), is presented in Appendix B.

The attached table also reports the daily average wind direction and daily average wind speed for each sampling day (Columns N and O respectively). The meteorological data for this reporting period is presented in Appendix C, which also includes an aerial photo of the facility identifying the location of the ambient air monitor with respect to the lead material processing building (Dock 25) and the three point sources of lead emissions.

The Site has retained RK & Associates to assist with submitting monthly lead monitoring reports. If you have any questions, or require any additional information please do not hesitate to contact John Pinion at 630-393-9000 (jpinion@rka-inc.com).

Yours very truly,
**RK & Associates, Inc.**

John G. Pinion
Associate Engineer

cc: Ms. Sarah Schlichtholz – Director, Environmental and Community Affairs – Alter Treading Inc. – St. Louis, MO
Mr. Patrick Kohlmeier – Environmental Engineer – Behr Site – Rockford, IL
Mr. Eric Boyd – Thompson Colburn – Chicago, IL

# Table 1. Summary of Ambient Air Lead Monitoring Results May 19 through June 30, 2017
## The Behr Site - Rockford, Illinois

Wind direction data includes adjustment from Oct. 2016 Met Sta Performance Audit

| Col -> A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USEPA Lead Sample Day (Y) | Day of Week | Sample Collection Date | Sample Duration (days) (hrs) | Avg. Temp °C | Avg. Bar. Pres. mmHg | Sample Rate / Volume: Average Rate scfm | Sample Rate / Volume: Total std $m^3$ | Sampler Data Flags | Lead[a] ug/filter | Ambient Lead Concentration[c]: Daily Average $ug/m^3$ | Ambient Lead Concentration[c]: Monthly Average $ug/m^3$ | Ambient Lead Concentration[c]: 3-Month Rolling Average[b] $ug/m^3$ | Facility Met Data: Daily Avg Wind Direction Degrees | Facility Met Data: Daily Avg Wind Speed mph |
| Y | Sat | 04/01/17 | 24:00 | 13.20 | 745.00 | 43.80 | 1,784.16 | | 39.22 | 0.022 | 0.187 | 0.12 | 323° | 0.30 |
| | Tue | 04/04/17 | 24:00 | 11.60 | 736.00 | 43.70 | 1,783.51 | | 169.04 | 0.095 | | | 328° | 1.40 |
| Y | Fri | 04/07/17 | 24:00 | 11.20 | 742.00 | 43.70 | 1,781.72 | | 62.26 | 0.035 | | | 336° | 1.61 |
| | Mon | 04/10/17 | 24:00 | 15.60 | 738.00 | 43.50 | 1,774.45 | | 123.55 | 0.070 | | | 137° | 1.61 |
| Y | Thu | 04/13/17 | 24:00 | 12.60 | 746.00 | 44.00 | 1,794.72 | | 862.90 | 0.481 | | | 127° | 4.04 |
| | Sun | 04/16/17 | 24:00 | 17.50 | 741.00 | 43.40 | 1,767.74 | | 43.48 | 0.025 | | | 295° | 1.94 |
| Y | Wed | 04/19/17 | 24:00 | 14.50 | 739.00 | 43.80 | 1,785.38 | | 478.72 | 0.268 | | | 125° | 1.91 |
| | Sat | 04/22/17 | 24:00 | 14.00 | 744.00 | 43.90 | 1,788.97 | | 156.49 | 0.087 | | | 96° | 0.73 |
| Y | Tue | 04/25/17 | 24:00 | 22.30 | 727.00 | 42.10 | 1,715.69 | | 1,309.02 | 0.763 | | | 135° | 4.25 |
| | Fri | 04/28/17 | 24:00 | 11.00 | 739.00 | 43.60 | 1,779.52 | | 49.57 | 0.028 | | | 322° | 0.66 |
| Y | Mon | 05/01/17 | 24:00 | 9.10 | 726.00 | 43.20 | 1,761.48 | | 20.42 | 0.012 | 0.039 | 0.12 | 148° | 1.18 |
| | Thu | 05/04/17 | 24:00 | 14.20 | 738.00 | 43.40 | 1,771.50 | | 244.61 | 0.138 | | | 43° | 0.77 |
| Y | Sun | 05/07/17 | 24:00 | 13.60 | 741.00 | 43.70 | 1,780.48 | | 22.21 | 0.012 | | | 1° | 0.25 |
| | Wed | 05/10/17 | 24:00 | 16.70 | 738.00 | 43.10 | 1,756.72 | | 105.62 | 0.060 | | | 119° | 1.31 |
| Y | Sat | 05/13/17 | 24:00 | 23.10 | 736.00 | 42.40 | 1,730.58 | | 65.66 | 0.038 | | | 270° | 0.55 |
| | Tue | 05/16/17 | 24:00 | 26.80 | 732.00 | 41.70 | 1,700.54 | | 108.55 | 0.064 | | | 140° | 3.55 |
| Y | Fri | 05/19/17 | 24:00 | 9.60 | 743.00 | 44.00 | 1,795.06 | | 58.03 | 0.032 | | | 78° | 1.43 |
| | Mon | 05/22/17 | 24:00 | 18.30 | 737.00 | 43.20 | 1,759.72 | | 34.66 | 0.020 | | | 140° | 1.22 |
| Y | Thu | 05/25/17 | 24:00 | 19.40 | 733.00 | 42.80 | 1,745.48 | | 26.34 | 0.015 | | | 320° | 0.89 |
| | Sun | 05/28/17 | 24:00 | 21.50 | 734.00 | 42.40 | 1,730.90 | | 19.89 | 0.011 | | | 290° | 0.99 |
| Y | Wed | 05/31/17 | 24:00 | 19.90 | 741.00 | 43.20 | 1,762.72 | | 49.82 | 0.028 | | | 290° | 2.56 |
| | Sat | 06/03/17 | 24:00 | 27.20 | 739.00 | 42.20 | 1,720.62 | | 73.58 | 0.043 | 0.087 | 0.10 | 140° | 1.29 |
| Y | Tue | 06/06/17 | 24:00 | 22.70 | 742.00 | 42.80 | 1,745.34 | | 204.14 | 0.117 | | | 50° | 0.56 |
| | Fri | 06/09/17 | 24:00 | 27.20 | 735.00 | 42.40 | 1,729.62 | | 190.26 | 0.110 | | | 260° | 0.64 |
| Y | Mon | 06/12/17 | 24:00 | 29.60 | 738.00 | 42.00 | 1,711.92 | | 691.00 | 0.404 | | | 130° | 2.03 |
| | Thu | 06/15/17 | 24:00 | 27.60 | 736.00 | 42.00 | 1,713.79 | | 44.20 | 0.026 | | | 248° | 0.44 |
| Y | Sun | 06/18/17 | 24:00 | 23.40 | 733.00 | 42.30 | 1,723.28 | | 16.10 | 0.009 | | | 286° | 2.81 |
| | Wed | 06/21/17 | 24:00 | 26.40 | 737.00 | 42.20 | 1,719.03 | | 132.00 | 0.077 | | | 139° | 1.97 |
| Y | Sat | 06/24/17 | 24:00 | 20.00 | 741.00 | 43.10 | 1,759.07 | | 24.80 | 0.014 | | | 292° | 3.05 |
| | Tue | 06/27/17 | 24:00 | 23.70 | 741.00 | 42.80 | 1,746.95 | | 27.70 | 0.016 | | | 204° | 0.42 |
| Y | Fri | 06/30/17 | 24:00 | 25.90 | 737.00 | 42.40 | 1,727.64 | | 103.00 | 0.060 | | | 277° | 1.01 |

Period Covered by this Report

a. Lab analysis by RTI International in Research Triangle Park, NC.

b. Arithmetic average of all sampling events during the previous three calendar months.

c. The requirement to analyze for, and report, ambient air arsenic concentrations was eliminated by USEPA as of September 27, 2016.

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RK & Associates, Inc.

# Ambient Air Lead Monitoring Report
# Behr Site

**1100 SEMINARY STREET**
**ROCKFORD, ILLINOIS**
**SITE ID NO.: 201030AYB**

**Report Date: July 13, 2017**

# APPENDIX A

## USEPA Schedule of Lead Sampling Days for 2017

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RK & Associates, Inc.

# EPA Sampling Schedule 2017

## Important Dates

## Notes

3-Day schedule is shown in orange, green, and purple

6-Day schedule is shown in green and purple

12-Day schedule is shown in purple

### January

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

### February

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | | | | |

### March

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

### April

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

### May

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

### June

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

### July

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

### August

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

### September

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

### October

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

### November

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | | |

### December

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

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RK & Associates, Inc.

# Ambient Air Lead Monitoring Report
# Behr Site

**1100 SEMINARY STREET**
**ROCKFORD, ILLINOIS**
**SITE ID NO.: 201030AYB**

**Report Date: July 13, 2017**

# APPENDIX B

## RTI International Analytical Results

## May 19 through June 30, 2017

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RTI INTERNATIONAL
3040 Cornwallis Road ▪ PO Box 12194 ▪ Research Triangle Park, NC 27709-2194 ▪ USA
Telephone 919 541-6000 ▪ Fax 919 541-5985 ▪ www.rti.org

June 19, 2017

Andrew Setter
Behr Iron & Metal
1100 Seminary Street
Rockford, IL 61104

Dear Mr. Setter:

RTI International analyzed the TSP filter samples you provided in accordance with 40 CFR Part 50, Appendix G. The results are summarized below in Table 1.

**Table 1. TSP Filter Results**
**µg/Filter**

| Filter ID | Date Collected | Lead |
|---|---|---|
| 9329301 | 5/19/2017 | 58.0 |
| 9446500 | 5/22/2017 | 34.7 |
| 9446499 | 5/25/2017 | 26.3 |
| 9446498 | 5/28/2017 | 19.9 |
| 9446497 | 5/31/2017 | 49.8 |
| 9446496 | 6/3/2017 | 73.6 |
| 9446495 | 6/6/2017 | 204 |
| 9446494 | 6/9/2017 | 190 |

Please refer to the attached spreadsheets "Behr Set 18 Data" and "2017 Pb TSP Audit Filters Q2" for quality control information. The remaining filter sections will be archived for two years. Please call me at 919-541-8762 or email me at fxw@rti.org if you have any questions.

Sincerely,

*Frank Weber*

Frank Weber
Laboratory Manager

cc: Project file 0212431.002.053
Lisa Bailey, RTI/ORC

RTI INTERNATIONAL
3040 Cornwallis Road ▪ PO Box 12194 ▪ Research Triangle Park, NC 27709-2194 ▪ USA
Telephone 919 541-6000 ▪ Fax 919 541-5985 ▪ www.rti.org

July 12, 2017

Andrew Setter
Behr Iron & Metal
1100 Seminary Street
Rockford, IL 61104

Dear Mr. Setter:

RTI International analyzed the TSP filter samples you provided in accordance with 40 CFR Part 50, Appendix G. The results are summarized below in Table 1.

**Table 1. TSP Filter Results**
**µg/Filter**

| Filter ID | Date Collected | Lead |
|---|---|---|
| 9446487 | 6/30/2017 | 103 |
| 9446488 | 6/27/2017 | 27.7 |
| 9446489 | 6/24/2017 | 24.8 |
| 9446490 | 6/21/2017 | 132 |
| 9446491 | 6/18/2017 | 16.1 |
| 9446492 | 6/15/2017 | 44.2 |
| 9446493 | 6/12/2017 | 691 |

Please refer to the attached spreadsheets "Behr Set 19 Data" and "2017 Pb TSP Audit Filters Q3" for quality control information. The remaining filter sections will be archived for two years. Please call me at 919-541-8762 or email me at fxw@rti.org if you have any questions.

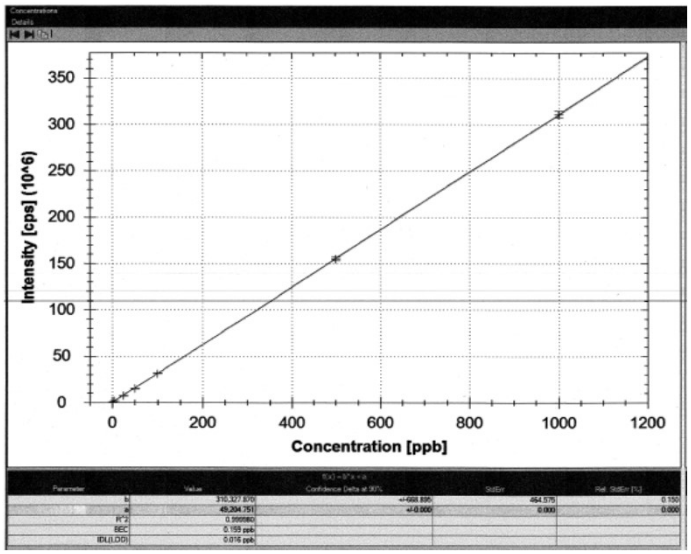
Sincerely,

*Frank Weber*

Frank Weber
Laboratory Manager

cc: Project file 0281701.562
Lisa Bailey, RTI/ORC

**0215163.019.001 Set 18**




**Calibration Standards**

| | Lead µg/L | % Recovery |
|---|---|---|
| Calibration Blank | 0.000 | n/a |
| 5 | 4.54 | 91 |
| 25 | 22.8 | 91 |
| 50 | 47.4 | 95 |
| 100 | 100 | 100 |
| 500 | 498 | 100 |
| 1000 | 1001 | 100 |

**Initial and Continuing Calibration Verifications**

| | Lead µg/L | % Recovery |
|---|---|---|
| ICV | 204 | 102 |
| CCV1 | 208 | 104 |
| CCV2 | 201 | 101 |
| CCV3 | 206 | 103 |

**Initial and Continuing Calibration Blanks**

| | Lead µg/L | | |
|---|---|---|---|
| ICB | 0.025 | <RL | RL=5µg/L |
| CCB1 | -0.026 | <RL | |
| CCB2 | 0.020 | <RL | |
| CCB3 | -0.008 | <RL | |

**Lower Level Calibration Verifications**

| | Lead µg/L | % Recovery |
|---|---|---|
| LLCV1 | 11.3 | 95 |
| LLCV2 | 11.3 | 95 |

**Reagent Blanks/Reagent Blank Spikes**

| | Lead µg/L | % Recovery |
|---|---|---|
| RB | 0.020 | <RL |
| RBS | 258 | 103 |

**Certified Reference Material**

| | Lead µg/L | Lead mg/kg | % Recovery | weight (g) | NIST 2711 Montana Soil |
|---|---|---|---|---|---|
| CRM 2710 | 2727 | 1087 | 94 | 0.1003 | Certified Value = 1162mg/kg |
| Filter Blank | 1.38 | | | | |

**Matrix Duplicates**

| | Lead µg/filter | RPD |
|---|---|---|
| 9446494 | 190 | |
| 9446494 Duplicate | 180 | 5 |

**Matrix Spikes**

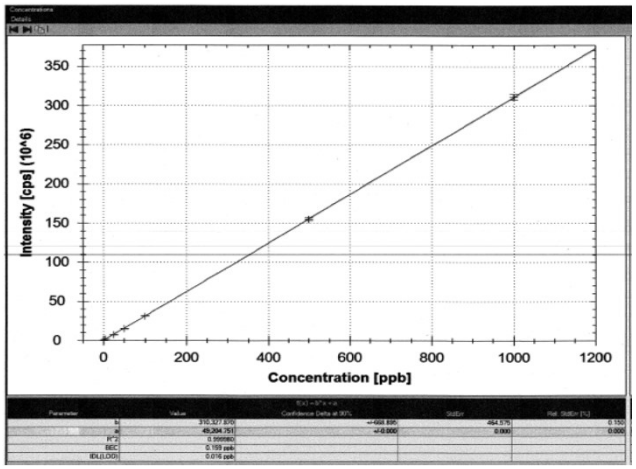
| | Lead µg/filter | % Recovery |
|---|---|---|
| 9446494 | 190 | |
| 9446494 Spike | 280 | 75 |

**Serial Dilutions**

| | Lead µg/filter | % Difference |
|---|---|---|
| 9446494 | 190 | |
| 9446494 1:5 | 206 | 8 |

| MDL | Lead µg/filter |
|---|---|
| | **0.0832** |

**0215163.019.001 Set 19**




**Calibration Standards**

| | Lead µg/L | % Recovery |
|---|---|---|
| Calibration Blank | 0.254 | n/a |
| 5 | 5.15 | 103 |
| 25 | 25.8 | 103 |
| 50 | 49.5 | 99 |
| 100 | 103 | 103 |
| 500 | 500 | 100 |
| 1000 | 1000 | 100 |

**Initial and Continuing Calibration Verifications**

| | Lead µg/L | % Recovery |
|---|---|---|
| ICV | 196 | 98 |
| CCV1 | 199 | 100 |
| CCV2 | 188 | 94 |
| CCV3 | 203 | 102 |

**Initial and Continuing Calibration Blanks**

| | Lead µg/L | | |
|---|---|---|---|
| ICB | 0.278 | <RL | RL=5µg/L |
| CCB1 | 0.305 | <RL | |
| CCB2 | 0.243 | <RL | |
| CCB3 | 0.265 | <RL | |

**Lower Level Calibration Verifications**

| | Lead µg/L | % Recovery |
|---|---|---|
| LLCV1 | 11.1 | 93 |
| LLCV2 | 11.7 | 98 |

**Reagent Blanks/Reagent Blank Spikes**

| | Lead µg/L | % Recovery |
|---|---|---|
| RB | 0.263 | <RL |
| RBS | 266 | 107 |

**Certified Reference Material**

| | Lead µg/L | Lead mg/kg | % Recovery | weight (g) | NIST 2711 Montana Soil |
|---|---|---|---|---|---|
| CRM 2710 | 2818 | 1029 | 89 | 0.1095 | Certified Value = 1162mg/kg |
| Filter Blank | 1.60 | | | | |

**Matrix Duplicates**

| | Lead µg/filter | RPD |
|---|---|---|
| 9446487 | 103 | |
| 9446487 Duplicate | 96.2 | 7 |

**Matrix Spikes**

| | Lead µg/filter | % Recovery |
|---|---|---|
| 9446487 | 103 | |
| 9446487 Spike | 199 | 80 |

**Serial Dilutions**

| | Lead µg/filter | % Difference |
|---|---|---|
| 9446487 | 103 | |
| 9446487 1:5 | 113 | 8 |

| MDL | Lead µg/filter |
|---|---|
| | **0.0832** |

**TSP strips**

| | Date | µg/L | final vol (L) | **µg/strip** | **% Recovery** | Actual |
|---|---|---|---|---|---|---|
| BAT-TSP-2017-01-348 | 5/23/2017 | 360 | 0.040 | 14.42 | 94 | 15.4 |
| BAT-TSP-2017-02-315 | 5/23/2017 | 1483 | 0.040 | 59.31 | 89 | 66.7 |
| | | | | | | |
| BAT-TSP-2017-01-349 | 5/23/2017 | 331 | 0.040 | 13.24 | 86 | 15.4 |
| BAT-TSP-2017-02-316 | 5/23/2017 | 1543 | 0.040 | 61.71 | 93 | 66.7 |
| | | | | | | |
| BAT-TSP 2017-01-353 | 6/1/2017 | 377 | 0.040 | 15.08 | 98 | 15.4 |
| BAT-TSP 2017-02-317 | 6/1/2017 | 1603 | 0.040 | 64.10 | 96 | 66.7 |

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RK & Associates, Inc.

# Ambient Air Lead Monitoring Report
# Behr Site

**1100 SEMINARY STREET**
**ROCKFORD, ILLINOIS**
**SITE ID NO.: 201030AYB**

**Report Date: July 13, 2017**

# APPENDIX C

## Meteorological Station Data – Hourly Averages

## May 19 through June 30, 2017

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**Ambient Monitor Location with Respect to Site Emission Points and Site Boundaries**

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## Summary of Hourly Meteorological Data for Ambient Sampling
## Ambient Air Sampling Days - May 19 through June 30, 2017
## Behr Iron & Metal an Alter Company - Rockford, Illinois

| Date | Hour | Average Barometric Pressure mmHg | Average Temp °F | Hourly Average Wind Speed mph | Hourly Average Wind Direction Deg | Average Daily Wind Direction Deg | Average Daily Wind Speed mph |
|---|---|---|---|---|---|---|---|
| 05/19/17 | 1 | 764 | 53.7 | 4.59 | 128° | 78° | 1.43 |
| | 2 | 764 | 49.7 | 5.42 | 131° | | |
| | 3 | 764 | 48.5 | 3.11 | 134° | | |
| | 4 | 764 | 47.7 | 1.62 | 98° | | |
| | 5 | 764 | 47.0 | 2.39 | 120° | | |
| | 6 | 765 | 45.8 | 3.21 | 129° | | |
| | 7 | 765 | 45.2 | 1.44 | 21° | | |
| | 8 | 765 | 45.1 | 1.43 | 30° | | |
| | 9 | 765 | 44.6 | 2.00 | 24° | | |
| | 10 | 766 | 43.1 | 2.46 | 120° | | |
| | 11 | 764 | 43.0 | 2.32 | 20° | | |
| | 12 | 765 | 44.0 | 1.13 | 33° | | |
| | 13 | 765 | 44.7 | 1.98 | 23° | | |
| | 14 | 765 | 45.0 | 2.26 | 15° | | |
| | 15 | 766 | 45.4 | 2.17 | 35° | | |
| | 16 | 765 | 46.5 | 2.15 | 24° | | |
| | 17 | 766 | 47.5 | 1.47 | 43° | | |
| | 18 | 766 | 48.2 | 2.49 | 114° | | |
| | 19 | 766 | 48.2 | 1.57 | 103° | | |
| | 20 | 766 | 47.5 | 1.78 | 66° | | |
| | 21 | 766 | 47.1 | 1.38 | 36° | | |
| | 22 | 766 | 46.7 | 1.23 | 32° | | |
| | 23 | 767 | 46.5 | 1.05 | 2° | | |
| | 24 | 767 | 46.8 | 1.53 | 21° | | |
| 05/22/17 | 1 | 762 | 50.6 | 2.01 | 289° | 140° | 1.22 |
| | 2 | 762 | 49.6 | 2.85 | 282° | | |
| | 3 | 762 | 48.4 | 2.49 | 284° | | |
| | 4 | 762 | 47.6 | 1.01 | 296° | | |
| | 5 | 762 | 46.6 | 0.45 | 295° | | |
| | 6 | 762 | 46.1 | 0.95 | 123° | | |
| | 7 | 762 | 47.0 | 1.64 | 126° | | |
| | 8 | 763 | 50.5 | 0.32 | 127° | | |
| | 9 | 763 | 55.2 | 1.50 | 138° | | |
| | 10 | 762 | 59.8 | 2.29 | 130° | | |
| | 11 | 762 | 60.9 | 3.06 | 134° | | |
| | 12 | 762 | 64.1 | 1.03 | 138° | | |
| | 13 | 761 | 67.6 | 2.37 | 296° | | |
| | 14 | 761 | 69.3 | 2.53 | 283° | | |
| | 15 | 760 | 68.0 | 1.12 | 282° | | |
| | 16 | 760 | 68.3 | 2.01 | 138° | | |
| | 17 | 759 | 69.3 | 3.40 | 121° | | |
| | 18 | 759 | 69.2 | 5.35 | 122° | | |
| | 19 | 759 | 67.4 | 3.71 | 112° | | |
| | 20 | 759 | 65.3 | 4.02 | 123° | | |
| | 21 | 759 | 63.2 | 3.91 | 135° | | |
| | 22 | 760 | 60.5 | 3.46 | 137° | | |
| | 23 | 759 | 59.1 | 3.02 | 140° | | |
| | 24 | 759 | 58.3 | 3.10 | 132° | | |

## Summary of Hourly Meteorological Data for Ambient Sampling
## Ambient Air Sampling Days - May 19 through June 30, 2017
## Behr Iron & Metal an Alter Company - Rockford, Illinois

| Date | Hour | Average Barometric Pressure mmHg | Average Temp °F | Hourly Average Wind Speed mph | Hourly Average Wind Direction Deg | Average Daily Wind Direction Deg | Average Daily Wind Speed mph |
|---|---|---|---|---|---|---|---|
| 05/25/17 | 1 | 753 | 53.8 | 1.08 | 325° | 320° | 0.89 |
| | 2 | 753 | 54.5 | 1.03 | 326° | | |
| | 3 | 752 | 54.5 | 1.15 | 322° | | |
| | 4 | 752 | 54.4 | 1.12 | 329° | | |
| | 5 | 753 | 54.3 | 1.10 | 317° | | |
| | 6 | 753 | 54.1 | 1.06 | 318° | | |
| | 7 | 753 | 54.3 | 1.14 | 322° | | |
| | 8 | 753 | 55.0 | 1.14 | 334° | | |
| | 9 | 754 | 55.9 | 0.99 | 319° | | |
| | 10 | 754 | 57.2 | 1.41 | 316° | | |
| | 11 | 754 | 58.4 | 1.55 | 326° | | |
| | 12 | 754 | 60.2 | 1.37 | 331° | | |
| | 13 | 754 | 63.9 | 0.93 | 313° | | |
| | 14 | 754 | 65.9 | 1.20 | 328° | | |
| | 15 | 754 | 68.5 | 0.96 | 331° | | |
| | 16 | 754 | 69.8 | 0.97 | 332° | | |
| | 17 | 754 | 71.0 | 1.14 | 325° | | |
| | 18 | 754 | 72.7 | 0.66 | 320° | | |
| | 19 | 754 | 73.0 | 0.89 | 300° | | |
| | 20 | 755 | 70.8 | 1.00 | 287° | | |
| | 21 | 755 | 64.4 | 0.16 | 262° | | |
| | 22 | 756 | 60.8 | 0.25 | 162° | | |
| | 23 | 756 | 58.2 | 0.51 | 266° | | |
| | 24 | 757 | 57.8 | 0.25 | 168° | | |
| 05/28/17 | 1 | 758 | 67.9 | 0.95 | 128° | 290° | 0.99 |
| | 2 | 757 | 65.8 | 0.29 | 144° | | |
| | 3 | 757 | 63.4 | 0.72 | 266° | | |
| | 4 | 757 | 63.9 | 1.24 | 142° | | |
| | 5 | 756 | 62.5 | 1.44 | 140° | | |
| | 6 | 755 | 61.1 | 0.29 | 146° | | |
| | 7 | 756 | 61.3 | 1.04 | 300° | | |
| | 8 | 756 | 60.6 | 0.73 | 316° | | |
| | 9 | 757 | 58.8 | 0.81 | 321° | | |
| | 10 | 757 | 59.7 | 1.13 | 339° | | |
| | 11 | 757 | 63.1 | 0.60 | 323° | | |
| | 12 | 757 | 68.7 | 1.15 | 320° | | |
| | 13 | 757 | 70.5 | 1.29 | 304° | | |
| | 14 | 756 | 73.1 | 1.92 | 295° | | |
| | 15 | 756 | 74.5 | 2.59 | 295° | | |
| | 16 | 756 | 75.5 | 2.03 | 286° | | |
| | 17 | 756 | 76.4 | 3.02 | 284° | | |
| | 18 | 756 | 76.6 | 4.31 | 291° | | |
| | 19 | 756 | 76.3 | 4.02 | 289° | | |
| | 20 | 756 | 74.3 | 2.30 | 289° | | |
| | 21 | 756 | 69.4 | 1.05 | 278° | | |
| | 22 | 756 | 63.5 | 0.41 | 281° | | |
| | 23 | 756 | 62.2 | 0.38 | 143° | | |
| | 24 | 756 | 61.9 | 0.39 | 151° | | |

## Summary of Hourly Meteorological Data for Ambient Sampling
## Ambient Air Sampling Days - May 19 through June 30, 2017
## Behr Iron & Metal an Alter Company - Rockford, Illinois

| Date | Hour | Average Barometric Pressure mmHg | Average Temp °F | Hourly Average Wind Speed mph | Hourly Average Wind Direction Deg | Average Daily Wind Direction Deg | Average Daily Wind Speed mph |
|---|---|---|---|---|---|---|---|
| 05/31/17 | 1 | 761 | 59.2 | 1.19 | 295° | 290° | 2.56 |
| | 2 | 761 | 57.0 | 1.39 | 288° | | |
| | 3 | 761 | 55.6 | 1.25 | 293° | | |
| | 4 | 761 | 54.5 | 1.31 | 290° | | |
| | 5 | 762 | 53.7 | 1.75 | 298° | | |
| | 6 | 762 | 52.6 | 1.66 | 293° | | |
| | 7 | 762 | 53.5 | 2.12 | 295° | | |
| | 8 | 763 | 56.1 | 2.61 | 292° | | |
| | 9 | 763 | 59.0 | 3.35 | 290° | | |
| | 10 | 763 | 61.9 | 3.27 | 294° | | |
| | 11 | 763 | 64.6 | 3.78 | 290° | | |
| | 12 | 763 | 66.9 | 4.44 | 285° | | |
| | 13 | 762 | 68.7 | 4.43 | 286° | | |
| | 14 | 762 | 70.4 | 4.32 | 294° | | |
| | 15 | 762 | 71.7 | 4.14 | 289° | | |
| | 16 | 762 | 73.2 | 4.28 | 294° | | |
| | 17 | 762 | 74.2 | 4.00 | 291° | | |
| | 18 | 761 | 74.4 | 3.88 | 292° | | |
| | 19 | 762 | 74.4 | 3.64 | 289° | | |
| | 20 | 762 | 72.9 | 2.77 | 284° | | |
| | 21 | 762 | 68.9 | 1.77 | 278° | | |
| | 22 | 762 | 63.9 | 0.53 | 284° | | |
| | 23 | 762 | 60.8 | 0.23 | 160° | | |
| | 24 | 763 | 59.2 | 0.30 | 148° | | |
| 06/03/17 | 1 | 762 | 63.6 | 0.58 | 260° | 140° | 1.29 |
| | 2 | 763 | 62.0 | 0.49 | 260° | | |
| | 3 | 763 | 61.5 | 0.39 | 220° | | |
| | 4 | 763 | 60.9 | 0.44 | 254° | | |
| | 5 | 763 | 61.1 | 0.20 | 209° | | |
| | 6 | 763 | 60.6 | 0.30 | 192° | | |
| | 7 | 763 | 63.3 | 0.78 | 146° | | |
| | 8 | 763 | 69.7 | 2.08 | 143° | | |
| | 9 | 763 | 72.7 | 2.43 | 145° | | |
| | 10 | 763 | 78.5 | 1.79 | 143° | | |
| | 11 | 763 | 82.2 | 1.18 | 137° | | |
| | 12 | 763 | 80.4 | 1.18 | 101° | | |
| | 13 | 762 | 83.4 | 2.56 | 125° | | |
| | 14 | 762 | 85.7 | 2.61 | 125° | | |
| | 15 | 761 | 87.5 | 3.27 | 134° | | |
| | 16 | 761 | 89.4 | 2.83 | 139° | | |
| | 17 | 761 | 83.6 | 0.98 | 273° | | |
| | 18 | 760 | 74.7 | 2.71 | 123° | | |
| | 19 | 760 | 79.7 | 2.35 | 143° | | |
| | 20 | 760 | 80.9 | 1.62 | 145° | | |
| | 21 | 760 | 77.1 | 1.63 | 132° | | |
| | 22 | 760 | 74.8 | 2.49 | 136° | | |
| | 23 | 760 | 73.0 | 0.81 | 156° | | |
| | 24 | 760 | 71.1 | 0.30 | 164° | | |

## Summary of Hourly Meteorological Data for Ambient Sampling
## Ambient Air Sampling Days - May 19 through June 30, 2017
## Behr Iron & Metal an Alter Company - Rockford, Illinois

| Date | Hour | Average Barometric Pressure mmHg | Average Temp °F | Hourly Average Wind Speed mph | Hourly Average Wind Direction Deg | Average Daily Wind Direction Deg | Average Daily Wind Speed mph |
|---|---|---|---|---|---|---|---|
| 06/06/17 | 1 | 763 | 62.3 | 1.08 | 357° | 50° | 0.56 |
| | 2 | 763 | 60.9 | 0.79 | 10° | | |
| | 3 | 763 | 59.2 | 0.53 | 344° | | |
| | 4 | 763 | 58.0 | 0.72 | 7° | | |
| | 5 | 763 | 56.9 | 0.61 | 12° | | |
| | 6 | 764 | 55.7 | 0.71 | 8° | | |
| | 7 | 764 | 56.3 | 0.93 | 356° | | |
| | 8 | 764 | 59.3 | 1.20 | 6° | | |
| | 9 | 764 | 64.1 | 1.24 | 19° | | |
| | 10 | 764 | 69.4 | 0.92 | 11° | | |
| | 11 | 764 | 72.3 | 1.13 | 347° | | |
| | 12 | 764 | 74.3 | 1.37 | 58° | | |
| | 13 | 764 | 75.6 | 2.46 | 118° | | |
| | 14 | 763 | 77.7 | 1.16 | 76° | | |
| | 15 | 763 | 79.2 | 0.50 | 31° | | |
| | 16 | 763 | 78.8 | 0.86 | 71° | | |
| | 17 | 763 | 80.2 | 0.81 | 19° | | |
| | 18 | 763 | 81.3 | 0.92 | 330° | | |
| | 19 | 763 | 79.2 | 0.35 | 5° | | |
| | 20 | 763 | 74.7 | 3.23 | 134° | | |
| | 21 | 764 | 71.5 | 2.07 | 136° | | |
| | 22 | 764 | 69.1 | 0.69 | 132° | | |
| | 23 | 764 | 66.4 | 0.26 | 335° | | |
| | 24 | 764 | 65.3 | 0.60 | 19° | | |
| 06/09/17 | 1 | 757 | 69.5 | 2.13 | 142° | 260° | 0.64 |
| | 2 | 757 | 68.1 | 1.78 | 140° | | |
| | 3 | 757 | 67.0 | 1.83 | 138° | | |
| | 4 | 756 | 65.4 | 1.95 | 144° | | |
| | 5 | 756 | 64.8 | 1.31 | 137° | | |
| | 6 | 757 | 63.6 | 0.27 | 133° | | |
| | 7 | 757 | 64.8 | 0.42 | 142° | | |
| | 8 | 757 | 68.3 | 1.08 | 284° | | |
| | 9 | 758 | 72.9 | 1.57 | 292° | | |
| | 10 | 758 | 78.5 | 0.95 | 322° | | |
| | 11 | 758 | 81.2 | 2.24 | 290° | | |
| | 12 | 758 | 83.5 | 1.92 | 291° | | |
| | 13 | 757 | 85.6 | 2.40 | 297° | | |
| | 14 | 757 | 86.9 | 2.54 | 290° | | |
| | 15 | 757 | 88.4 | 2.75 | 285° | | |
| | 16 | 756 | 87.7 | 3.60 | 278° | | |
| | 17 | 756 | 89.2 | 3.23 | 293° | | |
| | 18 | 756 | 89.2 | 2.03 | 300° | | |
| | 19 | 756 | 87.2 | 2.46 | 286° | | |
| | 20 | 756 | 83.6 | 2.22 | 280° | | |
| | 21 | 757 | 80.0 | 0.29 | 190° | | |
| | 22 | 757 | 77.2 | 0.50 | 151° | | |
| | 23 | 757 | 75.1 | 3.74 | 127° | | |
| | 24 | 758 | 71.4 | 2.93 | 127° | | |

## Summary of Hourly Meteorological Data for Ambient Sampling
## Ambient Air Sampling Days - May 19 through June 30, 2017
## Behr Iron & Metal an Alter Company - Rockford, Illinois

| Date | Hour | Average Barometric Pressure mmHg | Average Temp °F | Hourly Average Wind Speed mph | Hourly Average Wind Direction Deg | Average Daily Wind Direction Deg | Average Daily Wind Speed mph |
|---|---|---|---|---|---|---|---|
| 06/12/17 | 1 | 760 | 79.5 | 2.85 | 144° | 130° | 2.03 |
| | 2 | 760 | 78.6 | 3.09 | 145° | | |
| | 3 | 760 | 78.4 | 3.91 | 133° | | |
| | 4 | 760 | 77.5 | 3.76 | 132° | | |
| | 5 | 760 | 76.7 | 3.33 | 130° | | |
| | 6 | 760 | 76.1 | 3.79 | 133° | | |
| | 7 | 760 | 76.3 | 3.92 | 134° | | |
| | 8 | 760 | 77.8 | 3.62 | 123° | | |
| | 9 | 760 | 80.2 | 2.40 | 125° | | |
| | 10 | 760 | 83.4 | 0.43 | 274° | | |
| | 11 | 760 | 86.2 | 1.61 | 136° | | |
| | 12 | 761 | 88.3 | 1.93 | 127° | | |
| | 13 | 760 | 90.1 | 0.21 | 207° | | |
| | 14 | 760 | 91.6 | 0.54 | 191° | | |
| | 15 | 759 | 92.7 | 0.38 | 283° | | |
| | 16 | 759 | 93.6 | 0.52 | 135° | | |
| | 17 | 759 | 93.5 | 3.36 | 121° | | |
| | 18 | 759 | 93.0 | 3.58 | 126° | | |
| | 19 | 759 | 91.4 | 2.04 | 110° | | |
| | 20 | 759 | 89.4 | 0.01 | 194° | | |
| | 21 | 761 | 83.2 | 1.28 | 322° | | |
| | 22 | 761 | 76.7 | 1.10 | 66° | | |
| | 23 | 761 | 75.0 | 2.56 | 124° | | |
| | 24 | 760 | 74.6 | 4.10 | 129° | | |
| 06/15/17 | 1 | 758 | 70.6 | 2.06 | 137° | 248° | 0.44 |
| | 2 | 758 | 70.5 | 2.77 | 140° | | |
| | 3 | 758 | 70.3 | 2.14 | 145° | | |
| | 4 | 758 | 70.6 | 2.62 | 139° | | |
| | 5 | 758 | 70.7 | 1.68 | 129° | | |
| | 6 | 758 | 70.7 | 1.26 | 124° | | |
| | 7 | 758 | 71.2 | 1.45 | 127° | | |
| | 8 | 758 | 72.2 | 1.46 | 124° | | |
| | 9 | 759 | 74.2 | 0.50 | 282° | | |
| | 10 | 759 | 76.9 | 1.17 | 291° | | |
| | 11 | 758 | 81.3 | 1.59 | 285° | | |
| | 12 | 758 | 85.8 | 1.67 | 293° | | |
| | 13 | 758 | 88.4 | 2.76 | 299° | | |
| | 14 | 758 | 90.0 | 3.10 | 292° | | |
| | 15 | 758 | 92.1 | 1.97 | 315° | | |
| | 16 | 758 | 92.6 | 2.40 | 299° | | |
| | 17 | 758 | 92.3 | 2.93 | 292° | | |
| | 18 | 757 | 92.4 | 2.32 | 287° | | |
| | 19 | 757 | 92.2 | 2.23 | 290° | | |
| | 20 | 757 | 89.8 | 0.43 | 269° | | |
| | 21 | 757 | 83.4 | 0.19 | 229° | | |
| | 22 | 757 | 80.2 | 0.47 | 234° | | |
| | 23 | 758 | 75.8 | 1.28 | 272° | | |
| | 24 | 757 | 69.8 | 2.83 | 136° | | |

## Summary of Hourly Meteorological Data for Ambient Sampling
## Ambient Air Sampling Days - May 19 through June 30, 2017
## Behr Iron & Metal an Alter Company - Rockford, Illinois

| Date | Hour | Average Barometric Pressure mmHg | Average Temp °F | Hourly Average Wind Speed mph | Hourly Average Wind Direction Deg | Average Daily Wind Direction Deg | Average Daily Wind Speed mph |
|---|---|---|---|---|---|---|---|
| 06/18/17 | 1 | 752 | 69.4 | 0.95 | 130° | 286° | 2.81 |
| | 2 | 751 | 69.9 | 1.88 | 138° | | |
| | 3 | 751 | 70.4 | 0.73 | 125° | | |
| | 4 | 751 | 70.4 | 1.05 | 283° | | |
| | 5 | 752 | 69.7 | 3.06 | 280° | | |
| | 6 | 753 | 67.9 | 3.42 | 292° | | |
| | 7 | 753 | 66.7 | 3.47 | 286° | | |
| | 8 | 753 | 67.4 | 4.53 | 287° | | |
| | 9 | 753 | 68.9 | 5.35 | 279° | | |
| | 10 | 754 | 71.0 | 4.38 | 287° | | |
| | 11 | 754 | 72.2 | 4.56 | 282° | | |
| | 12 | 754 | 73.0 | 4.38 | 284° | | |
| | 13 | 754 | 74.0 | 4.36 | 295° | | |
| | 14 | 755 | 73.5 | 4.24 | 287° | | |
| | 15 | 755 | 74.5 | 4.03 | 289° | | |
| | 16 | 755 | 75.6 | 3.50 | 285° | | |
| | 17 | 755 | 77.6 | 4.50 | 284° | | |
| | 18 | 755 | 76.8 | 3.03 | 303° | | |
| | 19 | 755 | 76.1 | 3.82 | 298° | | |
| | 20 | 756 | 74.8 | 3.63 | 287° | | |
| | 21 | 756 | 72.0 | 2.81 | 288° | | |
| | 22 | 757 | 69.4 | 1.69 | 286° | | |
| | 23 | 757 | 67.6 | 1.10 | 276° | | |
| | 24 | 757 | 66.3 | 0.14 | 221° | | |
| 06/21/17 | 1 | 762 | 61.7 | 0.61 | 173° | 139° | 1.97 |
| | 2 | 762 | 60.8 | 0.72 | 151° | | |
| | 3 | 761 | 59.5 | 0.30 | 153° | | |
| | 4 | 761 | 59.1 | 0.26 | 222° | | |
| | 5 | 761 | 58.1 | 0.22 | 289° | | |
| | 6 | 762 | 57.4 | 0.51 | 269° | | |
| | 7 | 762 | 58.6 | 0.31 | 358° | | |
| | 8 | 762 | 62.7 | 0.56 | 118° | | |
| | 9 | 762 | 68.2 | 2.07 | 137° | | |
| | 10 | 762 | 71.2 | 3.22 | 132° | | |
| | 11 | 762 | 73.3 | 3.16 | 134° | | |
| | 12 | 762 | 75.6 | 3.56 | 135° | | |
| | 13 | 762 | 77.7 | 2.86 | 142° | | |
| | 14 | 762 | 79.6 | 0.74 | 157° | | |
| | 15 | 760 | 77.7 | 3.34 | 134° | | |
| | 16 | 760 | 78.7 | 4.00 | 142° | | |
| | 17 | 759 | 80.1 | 3.22 | 142° | | |
| | 18 | 759 | 80.0 | 3.41 | 145° | | |
| | 19 | 759 | 79.7 | 3.52 | 141° | | |
| | 20 | 759 | 77.6 | 2.60 | 135° | | |
| | 21 | 759 | 76.4 | 2.19 | 142° | | |
| | 22 | 759 | 75.6 | 2.84 | 135° | | |
| | 23 | 759 | 74.8 | 2.64 | 139° | | |
| | 24 | 759 | 74.6 | 2.69 | 133° | | |

## Summary of Hourly Meteorological Data for Ambient Sampling
## Ambient Air Sampling Days - May 19 through June 30, 2017
## Behr Iron & Metal an Alter Company - Rockford, Illinois

| Date | Hour | Average Barometric Pressure mmHg | Average Temp °F | Hourly Average Wind Speed mph | Hourly Average Wind Direction Deg | Average Daily Wind Direction Deg | Average Daily Wind Speed mph |
|---|---|---|---|---|---|---|---|
| 06/24/17 | 1 | 759 | 64.3 | 3.25 | 286° | 292° | 3.05 |
| | 2 | 760 | 63.6 | 2.92 | 290° | | |
| | 3 | 760 | 62.8 | 2.39 | 292° | | |
| | 4 | 760 | 62.1 | 2.45 | 300° | | |
| | 5 | 760 | 61.2 | 2.12 | 287° | | |
| | 6 | 760 | 60.6 | 2.41 | 297° | | |
| | 7 | 761 | 60.8 | 2.75 | 293° | | |
| | 8 | 761 | 62.5 | 2.61 | 307° | | |
| | 9 | 761 | 65.1 | 2.60 | 310° | | |
| | 10 | 762 | 67.7 | 2.73 | 300° | | |
| | 11 | 762 | 68.2 | 3.34 | 297° | | |
| | 12 | 762 | 69.5 | 4.02 | 286° | | |
| | 13 | 763 | 71.1 | 4.52 | 284° | | |
| | 14 | 763 | 72.1 | 5.00 | 286° | | |
| | 15 | 763 | 72.4 | 4.86 | 291° | | |
| | 16 | 763 | 72.6 | 5.26 | 288° | | |
| | 17 | 763 | 72.3 | 5.05 | 294° | | |
| | 18 | 763 | 72.2 | 4.80 | 296° | | |
| | 19 | 763 | 72.2 | 3.73 | 287° | | |
| | 20 | 764 | 63.5 | 2.77 | 302° | | |
| | 21 | 764 | 59.4 | 0.72 | 312° | | |
| | 22 | 764 | 58.4 | 0.28 | 247° | | |
| | 23 | 764 | 57.4 | 1.17 | 291° | | |
| | 24 | 764 | 56.2 | 2.05 | 283° | | |
| 06/27/17 | 1 | 765 | 56.5 | 0.48 | 164° | 204° | 0.42 |
| | 2 | 765 | 55.2 | 0.73 | 140° | | |
| | 3 | 765 | 54.2 | 1.13 | 132° | | |
| | 4 | 765 | 53.4 | 0.59 | 143° | | |
| | 5 | 765 | 52.8 | 0.70 | 145° | | |
| | 6 | 765 | 52.5 | 0.50 | 151° | | |
| | 7 | 766 | 53.8 | 0.31 | 269° | | |
| | 8 | 766 | 57.2 | 0.94 | 276° | | |
| | 9 | 766 | 63.7 | 0.93 | 284° | | |
| | 10 | 766 | 69.0 | 2.01 | 291° | | |
| | 11 | 766 | 71.3 | 2.29 | 285° | | |
| | 12 | 765 | 73.5 | 1.11 | 288° | | |
| | 13 | 765 | 75.0 | 1.81 | 270° | | |
| | 14 | 765 | 76.1 | 0.85 | 265° | | |
| | 15 | 764 | 77.5 | 1.07 | 273° | | |
| | 16 | 764 | 77.7 | 0.58 | 178° | | |
| | 17 | 764 | 77.6 | 1.06 | 166° | | |
| | 18 | 763 | 77.2 | 1.22 | 147° | | |
| | 19 | 763 | 76.7 | 0.55 | 267° | | |
| | 20 | 762 | 74.5 | 0.91 | 124° | | |
| | 21 | 762 | 71.8 | 1.32 | 137° | | |
| | 22 | 762 | 69.4 | 1.63 | 144° | | |
| | 23 | 763 | 67.0 | 1.84 | 148° | | |
| | 24 | 763 | 65.3 | 0.96 | 149° | | |

## Summary of Hourly Meteorological Data for Ambient Sampling
## Ambient Air Sampling Days - May 19 through June 30, 2017
## Behr Iron & Metal an Alter Company - Rockford, Illinois

| Date | Hour | Average Barometric Pressure mmHg | Average Temp °F | Hourly Average Wind Speed mph | Hourly Average Wind Direction Deg | Average Daily Wind Direction Deg | Average Daily Wind Speed mph |
|---|---|---|---|---|---|---|---|
| 06/30/17 | 1 | 759 | 65.5 | 0.31 | 149° | 277° | 1.01 |
| | 2 | 759 | 66.2 | 1.12 | 296° | | |
| | 3 | 758 | 65.6 | 0.37 | 256° | | |
| | 4 | 757 | 63.7 | 0.57 | 146° | | |
| | 5 | 758 | 64.4 | 1.97 | 145° | | |
| | 6 | 758 | 65.1 | 1.40 | 134° | | |
| | 7 | 759 | 65.3 | 0.09 | 311° | | |
| | 8 | 759 | 67.0 | 0.35 | 314° | | |
| | 9 | 759 | 69.9 | 0.41 | 325° | | |
| | 10 | 759 | 71.8 | 0.36 | 190° | | |
| | 11 | 759 | 74.0 | 0.53 | 232° | | |
| | 12 | 758 | 76.3 | 0.56 | 261° | | |
| | 13 | 758 | 79.1 | 1.15 | 279° | | |
| | 14 | 758 | 77.7 | 2.40 | 284° | | |
| | 15 | 758 | 77.9 | 2.39 | 284° | | |
| | 16 | 757 | 80.0 | 2.66 | 281° | | |
| | 17 | 757 | 80.5 | 2.78 | 280° | | |
| | 18 | 757 | 80.7 | 2.96 | 283° | | |
| | 19 | 758 | 80.2 | 2.55 | 293° | | |
| | 20 | 758 | 78.5 | 2.66 | 279° | | |
| | 21 | 758 | 75.5 | 1.45 | 282° | | |
| | 22 | 758 | 73.4 | 0.92 | 307° | | |
| | 23 | 758 | 71.6 | 1.23 | 281° | | |
| | 24 | 758 | 69.1 | 1.39 | 289° | | |