

**Quarterly Groundwater Monitoring Report**

Prepared for  
**Black & Decker (U.S.) Inc.**

Hampstead, Maryland

April 2013

Prepared by

**WESTON SOLUTIONS, INC.**  
West Chester, Pennsylvania 19380-1499

---

## TABLE OF CONTENTS

---

| Section   | Page |
|---|------|
| 1. INTRODUCTION.....                                      | 1-1  |
| 2. SITE CHARACTERISTICS.....                              | 2-1  |
| 2.1 HYDRAULIC PROPERTIES .....                            | 2-1  |
| 2.2 EFFLUENT CHARACTERISTICS .....                        | 2-1  |
| 2.3 GROUNDWATER QUALITY DATA .....                        | 2-1  |
| 3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM..... | 3-1  |
| 4. RECOMMENDATIONS.....                                   | 4-1  |

---

## LIST OF APPENDICES

---

APPENDIX A - GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS

APPENDIX B - DISCHARGE MONITORING REPORTS

APPENDIX C - GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS

APPENDIX D - GROUNDWATER ANALYTICAL DATA PACKAGE

---

## LIST OF TABLES

---

| <b>Table</b>  | <b>Page</b> |
|---|-------------|
| Table 2-1 Treatment System Pumping Records – 1st Quarter 2013 .....       | 2-2         |
| Table 2-2 Groundwater Elevation Data – 1st Quarter 2013 .....             | 2-3         |
| Table 2-3 Effluent Characteristics Summary – 1st Quarter 2013 .....       | 2-4         |
| Table 2-4 Summary of Groundwater Analytical Results - February 2013.....  | 2-5         |
| Table 3-1 Treatment System Maintenance Activities – 1st Quarter 2013..... | 3-2         |

## 1. INTRODUCTION

This Groundwater Monitoring Report has been prepared to meet the requirements of Condition IV.G of the Administrative Consent Order between the State of Maryland Department of the Environment (MDE) and Black & Decker (U.S.) Inc. (April 1995) (Consent Order). Specifically, Condition IV.G calls for preparation of a Groundwater Monitoring Report containing the following information for each reporting period:

- The quantities of groundwater pumped, treated, and discharged.
- The calculation of quantities of contaminants removed from groundwater.
- A summary of all sampling analyses.
- An explanation of all operational or other problems encountered, and the manner in which each problem was resolved.
- Copies of all reports submitted to the Department of Natural Resources in conjunction with the Groundwater Appropriations Permit.
- Recommendations for changes to the Interim Groundwater Treatment System.

This document is one of several which are being prepared in response to the Consent Order; each of these documents are to be submitted to the MDE in accordance with the schedule outlined in the Consent Order. This document will become part of the Administrative Record for the site, which is maintained at the Hampstead Public Library.

## **2. SITE CHARACTERISTICS**

### **2.1 HYDRAULIC PROPERTIES**

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of January through March 2013.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. The complete groundwater treatment system pumping records are included in Appendix A.

Monthly water levels for wells included in the water level monitoring plan are presented in Table 2-2. For the reporting period of January through March 2013, the extraction wells were pumping at an average combined rate of approximately 174 gallons per minute (gpm).

### **2.2 EFFLUENT CHARACTERISTICS**

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration, on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of January through March 2013 are included in Appendix B.

### **2.3 GROUNDWATER QUALITY DATA**

For the reporting period of January through March 2013, approximately 13.26 pounds of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs removed from the groundwater were comprised primarily of trichloroethene (TCE) (83.3%) and tetrachloroethene (PCE) (16.7%) Analytical results of the groundwater collected from the air stripper for the period of January through March 2013 are included in Appendix C.

A summary of the analytical results from the first quarter (February 2013) groundwater sampling round of the extraction and monitor wells is included in Table 2-4. The complete

**Table 2-1**  
**Treatment System Pumping Records - 1st Quarter 2013**  
**Black & Decker**  
**Hampstead, Maryland**

| <b>Date</b>   | <b>Water Pumped (gallons)</b> |
|---------------|-------------------------------|
| January 2013  | 6,456,215                     |
| February 2013 | 6,709,473                     |
| March 2013    | 7,486,802                     |

**Table 2-2**  
**Groundwater Elevation Data - 1st Quarter 2013**  
**Black & Decker**  
**Hampstead, Maryland**

| WELL NO.           | TOC ELEV. | TOTAL DEPTH | 1/18/2013 |        | 2/21/2013 |        | 4/10/2013 |        |
|--------------------|-----------|-------------|-----------|--------|-----------|--------|-----------|--------|
|                    |           |             | DTW       | ELEV   | DTW       | ELEV   | DTW       | ELEV   |
| EW-1               | 847.21    | 55          | DRY       | NC     | DRY       | NC     | DRY       | NC     |
| EW-2               | 849.21    | 110         | 92.40     | 756.81 | 92.63     | 756.58 | 92.27     | 756.94 |
| EW-3               | 846.64    | 118         | 84.50     | 762.14 | 84.91     | 761.73 | 84.46     | 762.18 |
| EW-4               | 858.01    | 97.5        | PC        | NC     | PC        | NC     | PC        | NC     |
| EW-5               | 864.17    | 98          | 88.71     | 775.46 | 89.91     | 774.26 | 88.84     | 775.33 |
| EW-6               | 831.98    | 115         | 103.00    | 728.98 | 102.87    | 729.11 | 102.46    | 729.52 |
| EW-7               | 818.38    | 78          | 73.00     | 745.38 | 73.00     | 745.38 | 73.00     | 745.38 |
| EW-8               | 811.13    | 98          | 96.00     | 715.13 | 95.87     | 715.26 | 95.18     | 715.95 |
| EW-9               | 811.35    | 141         | 103.00    | 708.35 | 103.00    | 708.35 | 103.50    | 707.85 |
| EW-10              | 807.74    | INA         | 49.63     | 758.11 | 47.50     | 760.24 | 50.77     | 756.97 |
| RFW-1A             | 864.37    | 78          | 49.61     | 814.76 | 49.32     | 815.05 | 49.43     | 814.94 |
| RFW-1B             | 864.23    | 200         | 49.69     | 814.54 | 49.40     | 814.83 | 49.46     | 814.77 |
| RFW-2A             | 857.41    | 35          | 12.68     | 844.73 | 12.72     | 844.69 | 12.74     | 844.67 |
| RFW-2B             | 857.73    | 75          | 13.20     | 844.53 | 13.30     | 844.43 | 13.10     | 844.63 |
| RFW-3B             | 839.21    | 153         | 32.13     | 807.08 | 31.57     | 807.64 | 32.64     | 806.57 |
| RFW-4A             | 830.37    | 62          | 36.13     | 794.24 | 35.88     | 794.49 | 36.22     | 794.15 |
| RFW-4B             | 830.37    | 120         | 36.04     | 794.33 | 35.76     | 794.61 | 36.18     | 794.19 |
| RFW-5A             | 817.50    | 30          | DRY       | NC     | DRY       | NC     | DRY       | NC     |
| RFW-6              | 785.04    | 120         | 4.73      | 780.31 | 3.39      | 781.65 | 4.83      | 780.21 |
| RFW-7              | 805.14    | 29          | 6.18      | 798.96 | 5.29      | 799.85 | 7.11      | 798.03 |
| RFW-8              | 860.07    | 56          | DRY       | NC     | DRY       | NC     | DRY       | NC     |
| RFW-9              | 862.02    | 49          | 24.71     | 837.31 | 24.67     | 837.35 | 25.26     | 836.76 |
| RFW-10             | 852.06    | 58          | DRY       | NC     | DRY       | NC     | DRY       | NC     |
| RFW-11A            | 849.32    | 72          | Damaged   | NC     | Damaged   | NC     | Damaged   | NC     |
| RFW-11B            | 849.62    | 116         | 64.10     | 785.52 | 63.36     | 786.26 | 64.26     | 785.36 |
| RFW-12B            | 844.87    | 264         | 50.38     | 794.49 | 50.46     | 794.41 | 51.04     | 793.83 |
| RFW-13             | 849.11    | 150         | 62.73     | 786.38 | 63.80     | 785.31 | 62.88     | 786.23 |
| RFW-14B            | 812.39    | 281         | 53.12     | 759.27 | 54.09     | 758.30 | 54.26     | 758.13 |
| RFW-16             | 856.14    | 41          | DRY       | NC     | DRY       | NC     | DRY       | NC     |
| RFW-17             | 834.66    | 60.5        | 27.43     | 807.23 | 27.61     | 807.05 | 26.99     | 807.67 |
| RFW-20             | 842.49    | 142         | 33.20     | 809.29 | 33.22     | 809.27 | 33.41     | 809.08 |
| RFW-21             | 832.65    | 102         | 20.19     | 812.46 | 20.28     | 812.37 | 20.26     | 812.39 |
| PH-7               | 805.94    | 89          | 24.01     | 781.93 | 23.66     | 782.28 | 24.32     | 781.62 |
| PH-9               | 814.94    | 98          | 50.07     | 764.87 | 49.87     | 765.07 | 50.19     | 764.75 |
| PH-11              | 820.68    | 78          | 48.88     | 771.80 | 48.63     | 772.05 | 49.13     | 771.55 |
| PH-12              | 828.35    | 87          | 51.06     | 777.29 | 51.11     | 777.24 | 52.08     | 776.27 |
| B-3                | 803.02    | 83          | 9.83      | 793.19 | 10.16     | 792.86 | 10.22     | 792.80 |
| Amoco              | 842.29    | INA         | NA        | NC     | NA        | NC     | NA        | NC     |
| Hamp. Town #22     | 804.96    | INA         | 1.68      | 803.28 | 2.15      | 802.81 | 2.68      | 802.28 |
| Pembroke #1        | INA       | INA         | 10.59     | NC     | 10.86     | NC     | 11.27     | NC     |
| Pembroke #2        | INA       | INA         | Damaged   | NC     | Damaged   | NC     | Damaged   | NC     |
| N. Houcks. Rd.     | INA       | INA         | 9.98      | NC     | 11.01     | NC     | 1071.00   | NC     |
| E. Century St.     | INA       | INA         | 19.23     | NC     | 19.21     | NC     | 19.27     | NC     |
| Lwr. Beckleys. Rd. | INA       | INA         | 53.68     | NC     | 54.83     | NC     | 54.91     | NC     |

NA - Not Available/Not Accessible  
NC - Not Calculable  
INA - Information not available  
PC - Pump Cycles

**Table 2-3  
Effluent Characteristics Summary - 1st Quarter 2013  
Black & Decker  
Hampstead, Maryland**

| Discharge Number          | Parameter                    | Units     | Permit Limits | DMR DATE     |               |            |
|---------------------------|------------------------------|-----------|---------------|--------------|---------------|------------|
|                           |                              |           |               | January 2013 | February 2013 | March 2013 |
| 001                       | FLOW average                 | MGD       | NA            | 0.188        | 0.277         | 0.257      |
|                           | FLOW maximum                 | MGD       | NA            | 1.106        | 0.632         | 0.800      |
|                           | 1,1,1-Trichloroethane        | ug/l      | 5             | < 1          | < 1           | < 1        |
|                           | Tetrachloroethylene          | ug/l      | 5             | < 1          | < 1           | < 1        |
|                           | Trichloroethylene            | ug/l      | 5             | < 1          | < 1           | < 1        |
|                           | Total Residual Chlorine      | mg/l      | < 0.1         | < 0.1        | < 0.1         | < 0.1      |
|                           | Oil & Grease maximum         | mg/l      | 15            | < 5          | < 5           | < 5        |
|                           | Oil & Grease monthly average | mg/l      | 10            | < 5          | < 5           | < 5        |
|                           | pH minimum                   | STD       | 6.0           | 6.7          | 7.20          | 6.90       |
|                           | pH maximum                   | STD       | 8.5           | 8.1          | 8.20          | 7.90       |
|                           | BOD                          | mg/l      | 15            | < 2          | 7.0           | 5.0        |
| TSS maximum               | mg/l                         | 30        | < 4           | 13.0         | 4.0           |            |
|                           | TSS monthly average          | mg/l      | 20            | < 4          | 13.0          | 4.0        |
| 101<br>(Monitoring Point) | FLOW average                 | MGD       | NA            | 0.168        | 0.202         | 0.195      |
|                           | FLOW maximum                 | MGD       | NA            | 0.271        | 0.240         | 0.285      |
|                           | Fecal Coliform               | MPN/100ml | 200           | 1.0          | 5.0           | 1.0        |
| 201<br>(Monitoring Point) | FLOW average                 | MGD       | NA            | NR           | NR            | 0.229      |
|                           | FLOW maximum                 | MGD       | NA            | NR           | NR            | 0.337      |
|                           | 1,1,1-Trichloroethane        | ug/l      | NA            | NR           | NR            | < 1        |
|                           | Tetrachloroethylene          | ug/l      | NA            | NR           | NR            | < 1        |
|                           | Trichloroethylene            | ug/l      | NA            | NR           | NR            | < 1        |

DMR - Discharge Monitoring Report

NA - Not Applicable

NR - Not Reported



**Table 2-4**  
**Summary of Groundwater Analytical Results - February 2013**  
**Stanley Black & Decker**  
**Hampstead, Maryland**

| PARAMETER                  | Units | EW-1 | EW-2 | EW-3 | EW-4 | EW-5 | EW-6 | EW-7 | EW-8  | EW-9 | EW-9<br>(DUP) | EW-10 |
|----------------------------|-------|------|------|------|------|------|------|------|-------|------|---------------|-------|
| Chloromethane              | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Bromomethane               | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Vinyl Chloride             | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Chloroethane               | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Methylene Chloride         | ug/L  | NS   | 2 U  | 2 U  | 2 U  | 2 U  | 2 U  | 2 U  | 2 U   | 2 U  | 2 U           | 2 U   |
| Acetone                    | ug/L  | NS   | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U   | 5 U  | 5 U           | 5 U   |
| Carbon Disulfide           | ug/L  | NS   | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U   | 5 U  | 5 U           | 5 U   |
| 1,1-Dichloroethene         | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| 1,1-Dichloroethane         | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 0.9 J | 1 U  | 1 U           | 1 U   |
| 1,2-Dichloroethene (total) | ug/L  | NS   | 4.5  | 1.9  | 1 U  | 1 U  | 1 U  | 6    | 25    | 1 U  | 1 U           | 1 U   |
| Chloroform                 | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| 1,2-Dichloroethane         | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| 2-Butanone                 | ug/L  | NS   | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U   | 5 U  | 5 U           | 5 U   |
| 1,1,1-Trichloroethane      | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Carbon Tetrachloride       | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Bromodichloromethane       | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| 1,2-Dichloropropane        | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| cis-1,3-Dichloropropene    | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Trichloroethene            | ug/L  | NS   | 200  | 44   | 890  | 110  | 6    | 4.4  | 8.3   | 0.6  | 0.7           | 1 U   |
| Dibromochloromethane       | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| 1,1,2-Trichloroethane      | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Benzene                    | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Trans-1,3-Dichloropropene  | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Bromoform                  | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| 4-Methyl-2-pentanone       | ug/L  | NS   | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U   | 5 U  | 5 U           | 5 U   |
| 2-Hexanone                 | ug/L  | NS   | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U  | 5 U   | 5 U  | 5 U           | 5 U   |
| Tetrachloroethene          | ug/L  | NS   | 51   | 1.5  | 17   | 3.3  | 11   | 10   | 71    | 88   | 95            | 0.6 J |
| 1,1,2,2-Tetrachloroethane  | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Toluene                    | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Chlorobenzene              | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Ethylbenzene               | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Styrene                    | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |
| Xylene (total)             | ug/L  | NS   | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U  | 1 U   | 1 U  | 1 U           | 1 U   |

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.  
 J = Indicates an estimated value.  
 NS = Not Sampled

Table 2-4  
 Summary of Groundwater Analytical Results - February 2013  
 Stanley Black & Decker  
 Hampstead, Maryland

| PARAMETER                  | Units | RFW-1A | RFW-1B | RFW-2A | RFW-2B | RFW-3B | RFW-4A | RFW-4A (DUP) | RFW-4B | RFW-5A | RFW-6 | RFW-7 | RFW-8 | RFW-9 | RFW-10 |
|----------------------------|-------|--------|--------|--------|--------|--------|--------|--------------|--------|--------|-------|-------|-------|-------|--------|
| Chloromethane              | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Bromomethane               | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Vinyl Chloride             | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Chloroethane               | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Methylene Chloride         | ug/L  | 2 U    | 2 U    | 2 U    | 2 U    | 2 U    | 2 U    | 2 U          | 2 U    | NS     | 2 U   | 2 U   | NS    | 2 U   | NS     |
| Acetone                    | ug/L  | 5 U    | 5 U    | 5 U    | 5 U    | 5 U    | 5 U    | 5 U          | 5 U    | NS     | 5 U   | 5 U   | NS    | 5 U   | NS     |
| Carbon Disulfide           | ug/L  | 5 U    | 5 U    | 5 U    | 5 U    | 5 U    | 5 U    | 5 U          | 5 U    | NS     | 5 U   | 5 U   | NS    | 5 U   | NS     |
| 1,1-Dichloroethene         | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 0.8 J | NS     |
| 1,1-Dichloroethane         | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 0.6 J | NS     |
| 1,2-Dichloroethene (total) | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1.9    | 0.8 J  | 0.8 J        | 4.1    | NS     | 1 U   | 1 U   | NS    | 11    | NS     |
| Chloroform                 | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 0.6 J  | 0.6 J        | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| 1,2-Dichloroethane         | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| 2-Butanone                 | ug/L  | 5 U    | 5 U    | 5 U    | 5 U    | 5 U    | 5 U    | 5 U          | 5 U    | NS     | 5 U   | 5 U   | NS    | 5 U   | NS     |
| 1,1,1-Trichloroethane      | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Carbon Tetrachloride       | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Bromodichloromethane       | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| 1,2-Dichloropropane        | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| cis-1,3-Dichloropropene    | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Trichloroethene            | ug/L  | 1 U    | 1 U    | 0.4 J  | 0.7    | 1 U    | 26     | 26           | 12     | NS     | 0.7   | 1.9   | NS    | 8.3   | NS     |
| Dibromochloromethane       | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| 1,1,2-Trichloroethane      | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Benzene                    | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Trans-1,3-Dichloropropene  | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Bromoform                  | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| 4-Methyl-2-pentanone       | ug/L  | 5 U    | 5 U    | 5 U    | 1 U    | 5 U    | 5 U    | 5 U          | 5 U    | NS     | 5 U   | 5 U   | NS    | 5 U   | NS     |
| 2-Hexanone                 | ug/L  | 5 U    | 5 U    | 5 U    | 5 U    | 5 U    | 5 U    | 5 U          | 5 U    | NS     | 5 U   | 5 U   | NS    | 5 U   | NS     |
| Tetrachloroethene          | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 0.3 J  | 19     | 18           | 32     | NS     | 1.1   | 1 U   | NS    | 4.2   | NS     |
| 1,1,2,2-Tetrachloroethane  | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Toluene                    | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Chlorobenzene              | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Ethylbenzene               | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Styrene                    | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |
| Xylene (total)             | ug/L  | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U    | 1 U          | 1 U    | NS     | 1 U   | 1 U   | NS    | 1 U   | NS     |

Notes: DUP = Duplicate sample  
 NS = Not sampled

U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.  
 J = Indicates an estimated value.

**Table 2-4**  
**Summary of Groundwater Analytical Results - February 2013**  
**Stanley Black & Decker**  
**Hampstead, Maryland**

| PARAMETER                  | Units | RFW-11A                           | RFW-11B | RFW-12B | RFW-13 | RFW-16 | RFW-17 | Leister Dairy | Leister Res. #1 | Leister Res. #2 | Trip Blank | RFW-20 | RFW-21 | Town #22 | Town #23 | Trip Blank |
|----------------------------|-------|-----------------------------------|---------|---------|--------|--------|--------|---------------|-----------------|-----------------|------------|--------|--------|----------|----------|------------|
|                            |       | USEPA drinking water method 524.2 |         |         |        |        |        |               |                 |                 |            |        |        |          |          |            |
| Chloromethane              | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Bromomethane               | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 1 U    | 1 U    | 1 U      | 1 U      | 1 U        |
| Vinyl Chloride             | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Chloroethane               | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 1 U    | 1 U    | 1 U      | 1 U      | 1 U        |
| Methylene Chloride         | ug/L  | NS                                | 2 U     | 2 U     | 2 U    | NS     | 2 U    | ABD           | ABD             | ABD             | 2 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Acetone                    | ug/L  | NS                                | 5 U     | 5 U     | 5 U    | NS     | 5 U    | ABD           | ABD             | ABD             | 5 U        | 10 U   | 10 U   | 10 U     | 10 U     | 10 U       |
| Carbon Disulfide           | ug/L  | NS                                | 5 U     | 5 U     | 5 U    | NS     | 5 U    | ABD           | ABD             | ABD             | 5 U        | NA     | NA     | NA       | NA       | NA         |
| 1,1-Dichloroethene         | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| 1,1-Dichloroethane         | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| 1,2-Dichloroethene (total) | ug/L  | NS                                | 1 U     | 1.8     | 0.8 J  | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Chloroform                 | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.32 J   | 0.5 U    | 0.5 U      |
| 1,2-Dichloroethane         | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| 2-Butanone                 | ug/L  | NS                                | 5 U     | 5 U     | 5 U    | NS     | 5 U    | ABD           | ABD             | ABD             | 5 U        | 10 U   | 10 U   | 10 U     | 10 U     | 10 U       |
| 1,1,1-Trichloroethane      | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Carbon Tetrachloride       | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Bromodichloromethane       | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| 1,2-Dichloropropane        | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| cis-1,3-Dichloropropene    | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Trichloroethene            | ug/L  | NS                                | 2.4     | 76      | 2.6    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.4    | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Dibromochloromethane       | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| 1,1,2-Trichloroethane      | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Benzene                    | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Trans-1,3-Dichloropropene  | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Bromoform                  | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| 4-Methyl-2-pentanone       | ug/L  | NS                                | 5 U     | 5 U     | 5 U    | NS     | 5 U    | ABD           | ABD             | ABD             | 5 U        | 10 U   | 10 U   | 10 U     | 10 U     | 10 U       |
| 2-Hexanone                 | ug/L  | NS                                | 5 U     | 5 U     | 5 U    | NS     | 5 U    | ABD           | ABD             | ABD             | 5 U        | 10 U   | 10 U   | 10 U     | 10 U     | 10 U       |
| Tetrachloroethene          | ug/L  | NS                                | 1 U     | 5.3     | 15     | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.43 J   | 0.5 U    | 0.5 U      |
| 1,1,2,2-Tetrachloroethane  | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Toluene                    | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Chlorobenzene              | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Ethylbenzene               | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Styrene                    | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |
| Xylene (total)             | ug/L  | NS                                | 1 U     | 1 U     | 1 U    | NS     | 1 U    | ABD           | ABD             | ABD             | 1 U        | 0.5 U  | 0.5 U  | 0.5 U    | 0.5 U    | 0.5 U      |

Notes: Samples from wells RFW-20 & 21, Town-22&23 are analyzed with the USEPA drinking water method 524.2 at the request of the MDE Source Protection and Appropriation Division.  
Samples from all of the other wells are analyzed with USEPA Method 8260.

NS = Not sampled

U = Compound was analyzed but not detected.

ABD = Well has been abandoned

analytical data package is included in Appendix D.

As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentration of TCE was detected in the groundwater samples collected from wells EW-2 and EW-4 and the highest concentration of PCE was detected in the groundwater sample collected from well EW-9. The remainder of VOCs present were detected at levels below the Federal Maximum Contaminant Levels (MCL).

### **3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM**

A summary of the maintenance activities which were undertaken with the extraction and treatment system during the reporting period (January through March 2013) is provided in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate or other routine activities).

**Table 3-1**  
**Treatment System Maintenance Activities - 1st Quarter 2013**  
**Black & Decker**  
**Hampstead, Maryland**

| <b>Date</b>   | <b>Event/Corrective Action</b>  |
|---------------|---|
| <b>Jan-13</b> | Alarm at air stripper, EW-10 was found to have a bad relay in the Warwick control, the relay was replaced. The well is back online.   |
| <b>Jan-13</b> | The pitless adapter in EW-7 is leaking. The pitless adapter was replaced the well is back online.   |
| <b>Jan-13</b> | EW-10 tripped off due to control wires that shorted out. These wires were replaced and the well is back online.   |
| <b>Jan-13</b> | Alarm at stripper, due to a low hydro tank, it was found that the pressure switch on the hydro tank was frozen. The switch was thawed and the hydro tank was back online.   |
| <b>Feb-13</b> | Alarm at stripper, due to a low hydro tank, it was found that the pressure switch on the hydro tank was frozen. The hydro tank was filled by hand using the transfer pumps. The switch was thawed and the hydro tank was back online. |

#### 4. RECOMMENDATIONS

For the reporting period of January through March 2013, the treatment system continued to create a hydraulic boundary preventing off-site migration of groundwater. The extraction system will continue to operate as currently configured to pump and treat contaminated groundwater. Depth-to-water measurements will continue to be collected on a monthly basis in all site monitor wells to construct a groundwater elevation contour map for the site. The groundwater elevation contour map will be used to verify that the required area of groundwater capture is being maintained. If necessary, pumping rates will be adjusted to maintain groundwater capture due to seasonal fluctuations in groundwater elevations. The treatment system will also continue to operate as currently configured, as data collected have proven that the treatment system is fully effective in removing VOCs from the extracted groundwater.

---

**APPENDIX A**  
**GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS**  
**(JANUARY – MARCH 2013)**

---



MARYLAND DEPARTMENT of the ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION, 1800 WASHINGTON BLVD, BALTIMORE, MD 21230

Superintendent: Earle Villarreal Certification # 1017

**Black & Decker WTP**

PWSID # 106 0004 County: Carroll

Month: January

Operated by Maryland Environmental Service

Address: BTR CAPITAL GROUP, Hampstead, MD 21073  
625 Hanover Pike, Hampstead, Carroll County, Maryland

Year: 2013

| GENERAL (DOMESTIC WATER) |      |         |                         | CHEMICAL          |             |             |                 |                 |                |                | MONITORING     |                  | DISTRIBUTION |             |                          | RAW WATER            |          | Comments |                               |             |
|--------------------------|------|---------|-------------------------|-------------------|-------------|-------------|-----------------|-----------------|----------------|----------------|----------------|------------------|--------------|-------------|--------------------------|----------------------|----------|----------|-------------------------------|-------------|
| Date                     | Day  | Weather | Flow meter reading<br>0 | MGD<br>Total FQIR | pH<br>P.O.E | Free<br>Cl2 | Na2CO3<br>Level | Na2CO3<br>(gpd) | NaOCl<br>Level | NaOCl<br>(gpd) | VOC'S<br>(ppb) | Bacti<br>Pos/Neg | pH<br>su     | TRC<br>mg/l | DISTRIBUTION<br>LOCATION | Operator<br>Initials | pH<br>su |          | TOTAL RAW<br>WATER WELL (mgd) |             |
| 1                        | Tue  | Cloudy  | 0                       | 0.0031            | 7.7         | 1.00        | 21.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   |          | 0.220999 |                               |             |
| 2                        | Wed  | Clear   | 0                       | 0.0004            | 8.4         | 1.14        | 40.00           | 1.00            | 53.00          | 0.00           |                |                  | 7.80         | 0.98        | Loading Dock             | DJ                   |          | 0.245947 |                               |             |
| 3                        | Thur | Clear   | 0                       | 0.0064            | 8.4         | 1.77        | 37.00           | 3.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   | 4.83     | 0.242737 |                               |             |
| 4                        | Fri  | Cloudy  | 0                       | 0.0030            | 8.6         | 1.68        | 36.00           | 1.00            | 53.00          | 0.00           |                |                  | 8.2          | 1.47        | Admin 2nd FI             | DJ                   |          | 0.216450 |                               |             |
| 5                        | Sat  | Clear   | 0                       | 0.0049            | 8.2         | 1.39        | 35.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | MW                   |          | 0.249353 |                               |             |
| 6                        | Sun  | Clear   | 0                       | 0.0015            | 8.2         | 1.09        | 34.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | MW                   |          | 0.222047 |                               |             |
| 7                        | Mon  | Cloudy  | 0                       | 0.0039            | 7.3         | 1.35        | 33.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   |          | 0.249010 |                               |             |
| 8                        | Tue  | Clear   | 0                       | 0.0047            | 7.8         | 1.56        | 32.00           | 1.00            | 53.00          | 0.00           |                | Neg              | 7.5          | 1.28        | Admin 1st FI             | DJ                   |          | 0.233776 | Nitrate 4.0                   |             |
| 9                        | Wed  | Rain    | 0                       | 0.0048            | 7.9         | 1.48        | 30.00           | 2.00            | 53.00          | 0.00           |                |                  | 7.9          | 1.43        | Loading Dock             | DJ                   |          | 0.227151 |                               |             |
| 10                       | Thur | Clear   | 0                       | 0.0035            | 7.5         | 1.39        | 29.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   | 5.40     | 0.228795 |                               |             |
| 11                       | Fri  | Rain    | 0                       | 0.0046            | 7.7         | 1.26        | 28.00           | 1.00            | 53.00          | 0.00           |                |                  | 7.7          | 1.19        | Admin 2nd FI             | DJ                   |          | 0.236451 |                               |             |
| 12                       | Sat  | Cloudy  | 0                       | 0.0031            | 7.7         | 1.19        | 27.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   |          | 0.219196 |                               |             |
| 13                       | Sun  | Fog     | 0                       | 0.0011            | 7.9         | 1.25        | 26.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   |          | 0.229371 |                               |             |
| 14                       | Mon  | Cloudy  | 0                       | 0.0041            | 7.3         | 1.50        | 25.00           | 1.00            | 53.00          | 0.00           |                |                  | 7.2          | 1.05        | Admin 1st FI             | GD                   |          | 0.249700 |                               |             |
| 15                       | Tue  | Cloudy  | 0                       | 0.0022            | 7.2         | 1.27        | 24.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | GD                   |          | 0.212118 |                               |             |
| 16                       | Wed  | Rain    | 0                       | 0.0081            | 8.0         | 1.16        | 22.00           | 2.00            | 53.00          | 0.00           |                |                  | 7.6          | 1.09        | Loading Dock             | AP                   |          | 0.245591 |                               |             |
| 17                       | Thur | Cloudy  | 0                       | 0.0050            | 7.6         | 1.15        | 21.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   | 5.65     | 0.245012 |                               |             |
| 18                       | Fri  | Clear   | 0                       | 0.0052            | 7.5         | 1.12        | 19.00           | 2.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   |          | 0.227582 |                               |             |
| 19                       | Sat  | Clear   | 0                       | 0.0014            | 7.2         | 1.14        | 18.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | AP                   |          | 0.143388 |                               |             |
| 20                       | Sun  | Clear   | 0                       | 0.0025            | 7.1         | 1.28        | 17.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | AP                   |          | 0.215084 |                               |             |
| 21                       | Mon  | Cloudy  | 0                       | 0.0014            | 7.7         | 1.95        | 16.00           | 1.00            | 53.00          | 0.00           |                |                  | 7.7          | 1.00        | Loading Dock             | PP                   |          | 0.198005 |                               |             |
| 22                       | Tue  | Clear   | 0                       | 0.0057            | 7.6         | 1.63        | 15.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   |          | 0.189375 |                               |             |
| 23                       | Wed  | Clear   | 0                       | 0.0062            | 7.7         | 1.70        | 36.00           | 3.00            | 53.00          | 0.00           |                |                  | 7.6          | 1.56        | Admin 2nd FI             | DJ                   |          | 0.184840 |                               |             |
| 24                       | Thur | Clear   | 0                       | 0.0023            | 7.7         | 1.49        | 35.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | JE                   |          | 0.142997 |                               |             |
| 25                       | Fri  | Snow    | 0                       | 0.0062            | 7.5         | 1.41        | 33.00           | 2.00            | 53.00          | 0.00           |                |                  | 7.4          | 1.27        | Admin 1st FI             | DJ                   | 5.36     | 0.157025 |                               |             |
| 26                       | Sat  | Clear   | 0                       | 0.0046            | 7.8         | 1.58        | 32.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | PP                   |          | 0.171114 |                               |             |
| 27                       | Sun  | Clear   | 0                       | 0.0212            | 7.7         | 1.48        | 30.00           | 2.00            | 53.00          | 0.00           |                |                  |              |             |                          | PP                   |          | 0.153353 | Busted Pipe                   |             |
| 28                       | Mon  | Rain    | 0                       | 0.0284            | 7.4         | 1.03        | 15.00           | 15.00           | 53.00          | 0.00           |                |                  | 7.4          | 0.96        | Loading Dock             | DJ                   |          | 0.146994 | Busted Pipe                   |             |
| 29                       | Tue  | Clear   | 0                       | 0.0061            | 7.3         | 1.29        | 33.00           | 2.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   |          | 0.165910 |                               |             |
| 30                       | Wed  | Cloudy  | 0                       | 0.0045            | 7.5         | 1.30        | 32.00           | 1.00            | 53.00          | 0.00           |                |                  | 7.5          | 1.17        | Admin 1st FI             | DJ                   | 5.30     | 0.197489 |                               |             |
| 31                       | Thur | Clear   | 0                       | 0.0029            | 7.7         | 1.14        | 31.00           | 1.00            | 53.00          | 0.00           |                |                  |              |             |                          | DJ                   |          | 0.189355 |                               |             |
| Total                    |      |         |                         | 0.1630            | 238.3       | 42.17       | 862.0           | 55.00           | 1643.0         | 0.00           | 0.0            | 0.0              | 91           | 14          |                          |                      |          |          | 6.456215                      |             |
| Average                  |      |         |                         | 0.0053            | 7.69        | 1.36        | 27.81           | 1.77            | 53.00          | 0.00           | 0.0            | 0.0              | 7.61         | 1.20        |                          |                      |          |          | 0.208265                      |             |
| Minimum                  |      |         |                         | 0.0004            | 7.10        | 1.00        | 15.00           | 1.00            | 53.00          | 0.00           | 0.0            | 0.0              | 7.17         | 0.96        |                          |                      |          |          | 0.142997                      | Central MOR |
| Maximum                  |      |         |                         | 0.0284            | 8.59        | 1.95        | 40.00           | 15.00           | 53.00          | 0.00           | 0.0            | 0.0              | 8.22         | 1.56        |                          |                      |          |          | 0.249700                      | 02/02/12    |