

*Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org*



January 12, 2016

Cheryl Edwards  
Kentucky Division of Water  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: MSD Metro Operations  
Bancroft WQTC; KPDES No.: KY0039021  
Discharge Monitoring Reports for December 2015.**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Bancroft WQTC; KPDES No.: KY0039021 for the month of December 2015.

There were no exceedances, overflow or bypass reports for this month.

If you have any questions concerning the attached DMRs, please contact me at (502)587-5856.

Sincerely,

A handwritten signature in black ink, appearing to read "Duane V. Wright". The signature is fluid and cursive, with the first name "Duane" being the most prominent.

Duane V. Wright  
Process Supervisor, East Region

DVW/Bancroft 12/15

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids  
www.louisvillegreen.com*

DMR Copy of Record

Permit

Permit #:  
Major:

KY0039021  
No

Permittee:  
Permittee Address:

BANCROFT WQTC MSD  
7610 OLD ORCHARD CIR  
LOUISVILLE, KY 40222

Facility:  
Facility Location:

BANCROFT WQTC MSD  
7610 OLD ORCHARD CIR  
LOUISVILLE, KY 40222

Permitted Feature:

001  
External Outfall

Discharge:

001-1  
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 12/01/15 to 12/31/15

DMR Due Date:

01/28/16

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Tony  
Parrott

Title:

Exec Dir

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                          | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |           | Quality or Concentration |            |             |                |             |                  |              | # of Ex. | Frequency of Analysis                            | Sample Type                         |
|-----------|------------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|-----------|--------------------------|------------|-------------|----------------|-------------|------------------|--------------|----------|--------------------------------------------------|-------------------------------------|
| Code      | Name                                     |                     |          |             |             | Qualifier 1         | Value 1        | Qualifier 2 | Value 2          | Units     | Qualifier 1              | Value 1    | Qualifier 2 | Value 2        | Qualifier 3 | Value 3          | Units        |          |                                                  |                                     |
| 00300     | Oxygen, dissolved [DO]                   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           | =                        | 7          |             |                |             |                  | 19 - mg/L    | 0        | 01/01 - Daily<br>07/WD - Weekly When Discharging | GR - GRAB                           |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           | >=                       | 7 INST MIN |             |                |             |                  | 19 - mg/L    |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 00400     | pH                                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           | =                        | 6          |             |                | =           | 6                | 12 - SU      | 0        | 01/01 - Daily<br>01/07 - Weekly                  | GR - GRAB                           |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           | >=                       | 6 MINIMUM  |             |                | <=          | 9 MAXIMUM        | 12 - SU      |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 00530     | Solids, total suspended                  | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 10             | =           | 26               | 26 - lb/d |                          |            | =           | 10             | =           | 17               | 19 - mg/L    | 0        | 01/07 - Weekly<br>01/07 - Weekly                 | CP - COMPOS<br>24 - COMP24          |
|           |                                          |                     |          |             | Permit Req. | <=                  | 20 MO AVG      | <=          | 30 WKLY AVG      | 26 - lb/d |                          |            | <=          | 30 MO AVG      | <=          | 45 WKLY AVG      | 19 - mg/L    |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 00600     | Nitrogen, total [as N]                   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |            | =           | 11             | =           | 13               | 19 - mg/L    | 0        | 01/07 - Weekly<br>01/07 - Weekly                 | CP - COMPOS<br>GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |            |             | Req Mon MO AVG |             | Req Mon WKLY AVG | 19 - mg/L    |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 00610     | Nitrogen, ammonia total [as N]           | 1 - Effluent Gross  | 2        | --          | Sample      | =                   | 1.48           | =           | 4                | 26 - lb/d |                          |            | =           | 2              | =           | 2                | 19 - mg/L    | 0        | 01/07 - Weekly<br>01/07 - Weekly                 | CP - COMPOS<br>24 - COMP24          |
|           |                                          |                     |          |             | Permit Req. | <=                  | 6.68 MO AVG    | <=          | 10 WKLY AVG      | 26 - lb/d |                          |            | <=          | 10 MO AVG      | <=          | 15 WKLY AVG      | 19 - mg/L    |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 00665     | Phosphorus, total [as P]                 | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |            | =           | 1.6            | =           | 1.9              | 19 - mg/L    | 0        | 01/07 - Weekly<br>01/07 - Weekly                 | CP - COMPOS<br>24 - COMP24          |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |            |             | Req Mon MO AVG |             | Req Mon WKLY AVG | 19 - mg/L    |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 50050     | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 0.062          | =           | 0.131            | 03 - MGD  |                          |            |             |                |             |                  |              | 0        | 99/99 - Continuous<br>99/99 - Continuous         | CN - CONTIN<br>RC - Recorder (auto) |
|           |                                          |                     |          |             | Permit Req. |                     | Req Mon MO AVG |             | Req Mon WKLY AVG | 03 - MGD  |                          |            |             |                |             |                  |              |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 50060     | Chlorine, total residual                 | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |            | <           | 0.01           | <           | 0.01             | 19 - mg/L    | 0        | 01/01 - Daily<br>01/07 - Weekly                  | GR - GRAB                           |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |            | <=          | .011 MO AVG    | <=          | .019 WKLY AVG    | 19 - mg/L    |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 51040     | E. coli                                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |            | =           | 1              | =           | 4                | 13 - #/100mL | 0        | 01/07 - Weekly<br>01/07 - Weekly                 | GR - GRAB                           |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |            | <=          | 130 30DA GEO   | <=          | 240 7 DA GEO     | 13 - #/100mL |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |
| 80082     | BOD, carbonaceous [5 day, 20 C]          | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 2.6            | =           | 5.3              | 26 - lb/d |                          |            | =           | 5              | =           | 14               | 19 - mg/L    | 0        | 01/07 - Weekly<br>01/07 - Weekly                 | CP - COMPOS<br>24 - COMP24          |
|           |                                          |                     |          |             | Permit Req. | <=                  | 16.7 MO AVG    | <=          | 25.04 WKLY AVG   | 26 - lb/d |                          |            | <=          | 25 MO AVG      | <=          | 37.5 WKLY AVG    | 19 - mg/L    |          |                                                  |                                     |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |            |             |                |             |                  |              |          |                                                  |                                     |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

| Name                     | Type | Size  |
|--------------------------|------|-------|
| BANCROFT122015_COVER.pdf | pdf  | 48124 |
| BANCROFT122015_MOR.pdf   | pdf  | 25711 |

Report Last Saved By

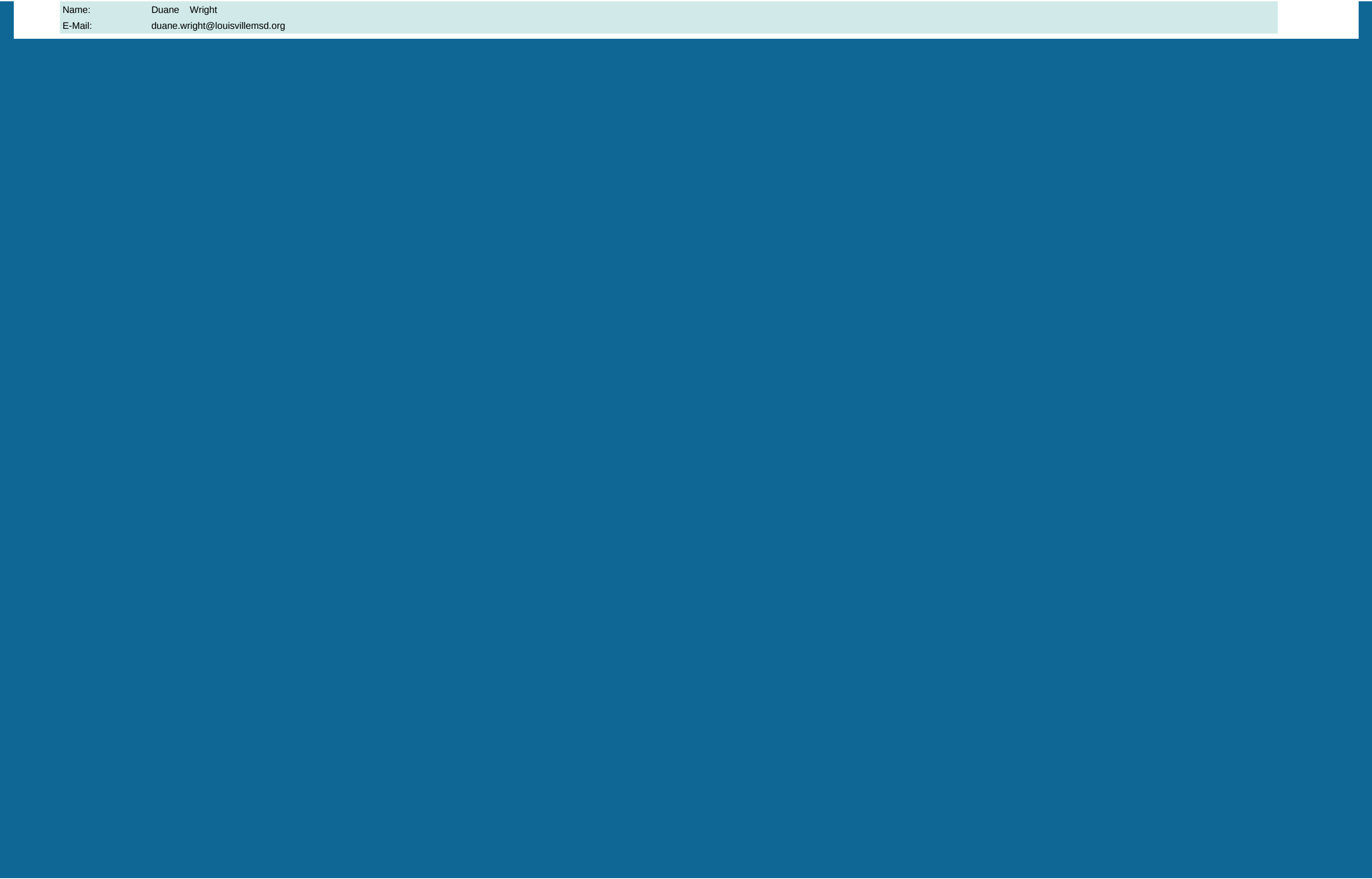
BANCROFT WQTC MSD

User:

wrightd

Date/Time:

2016-01-15 09:45 (Time Zone: -05:00)



|                 |            |                |            |        |       |        |       |       |            |      |      |      |        |  |
|-----------------|------------|----------------|------------|--------|-------|--------|-------|-------|------------|------|------|------|--------|--|
| <b>Bancroft</b> | Report for | <b>Dec-15</b>  | Tot. Exc.= |        | 0     |        |       |       |            |      |      |      |        |  |
| Tot. Flow=      | 1.92569    | Concentrations |            | Pounds |       |        |       |       |            |      |      |      |        |  |
| Date            | Flow       | TSS            | BOD        | NH3    | Ecoli | TSS    | BOD   | NH3   | Tot. Phos. | D.O. | p.H. | TRC  | Tot. N |  |
| 12/1/15         | 0.077      | 8              | 2          | 1.9    |       | 5.169  | 1.292 | 1.228 | 1.7        | 7.4  | 6.1  | 0.01 | 12.65  |  |
| 12/2/15         | 0.174      |                |            |        | 1     |        |       |       |            | 7.4  | 6.1  | 0.01 |        |  |
| 12/3/15         | 0.025      |                |            |        |       |        |       |       |            | 7.4  | 6.1  | 0.01 |        |  |
| 12/4/15         | 0.018      |                |            |        |       |        |       |       |            | 7.3  | 6.3  | 0.01 |        |  |
| 12/5/15         | 0.020      |                |            |        |       |        |       |       |            | 7.4  | 6.2  | 0.01 |        |  |
| 12/6/15         | 0.024      |                |            |        |       |        |       |       |            | 7.3  | 6.2  | 0.01 |        |  |
| 12/7/15         | 0.023      |                |            |        |       |        |       |       |            | 7.5  | 6.3  | 0.01 |        |  |
| 12/8/15         | 0.025      | 17             | 14         | 1.6    |       | 3.496  | 2.879 | 0.329 | 1.7        | 7.6  | 6.2  | 0.01 | 11.22  |  |
| 12/9/15         | 0.029      |                |            |        | 1     |        |       |       |            | 7.5  | 6.1  | 0.01 |        |  |
| 12/10/15        | 0.022      |                |            |        |       |        |       |       |            | 7.5  | 6.1  | 0.01 |        |  |
| 12/11/15        | 0.026      |                |            |        |       |        |       |       |            | 7.6  | 6.2  | 0.01 |        |  |
| 12/12/15        | 0.025      |                |            |        |       |        |       |       |            | 7.6  | 6.2  | 0.01 |        |  |
| 12/13/15        | 0.026      |                |            |        |       |        |       |       |            | 7.5  | 6    | 0.01 |        |  |
| 12/14/15        | 0.025      |                |            |        |       |        |       |       |            | 7.4  | 6    | 0.01 |        |  |
| 12/15/15        | 0.058      | 6              | 2          | 1.4    |       | 2.918  | 0.973 | 0.681 | 1.85       | 7.5  | 6    | 0.01 | 11.96  |  |
| 12/16/15        | 0.111      |                |            |        | 1     |        |       |       |            | 7.4  | 6.1  | 0.01 |        |  |
| 12/17/15        | 0.088      |                |            |        |       |        |       |       |            | 7.4  | 6.2  | 0.01 |        |  |
| 12/18/15        | 0.039      |                |            |        |       |        |       |       |            | 7.5  | 6    | 0.01 |        |  |
| 12/19/15        | 0.022      |                |            |        |       |        |       |       |            | 7.2  | 6    | 0.01 |        |  |
| 12/20/15        | 0.027      |                |            |        |       |        |       |       |            | 7.1  | 6    | 0.01 |        |  |
| 12/21/15        | 0.029      |                |            |        |       |        |       |       |            | 7.1  | 6    | 0.01 |        |  |
| 12/22/15        | 0.316      | 10             | 2          | 1.4    |       | 26.379 | 5.276 | 3.693 | 1.16       | 7.4  | 6    | 0.01 | 10.08  |  |
| 12/23/15        | 0.273      |                |            |        | 4     |        |       |       |            | 7.5  | 6.2  | 0.01 |        |  |
| 12/24/15        | 0.042      |                |            |        |       |        |       |       |            | 7.3  | 6.3  | 0.01 |        |  |
| 12/25/15        | 0.027      |                |            |        |       |        |       |       |            | 7.4  | 6.2  | 0.01 |        |  |
| 12/26/15        | 0.037      |                |            |        |       |        |       |       |            | 7.5  | 6.2  | 0.01 |        |  |
| 12/27/15        | 0.180      |                |            |        |       |        |       |       |            | 7.5  | 6.2  | 0.01 |        |  |
| 12/28/15        | 0.044      |                |            |        |       |        |       |       |            | 7    | 6    | 0.01 |        |  |
| 12/29/15        | 0.044      |                |            |        |       |        |       |       |            | 7    | 6    | 0.01 |        |  |
| 12/30/15        | 0.035      |                |            |        |       |        |       |       |            | 7.1  | 6    | 0.01 |        |  |
| 12/31/15        | 0.016      |                |            |        |       |        |       |       |            | 7    | 6    | 0.01 |        |  |
| Average         | 0.062      | 10             | 5          | 2      | 1.41  | 9      | 2.605 | 1.48  | 1.6        | 7.36 | 6    | 0.01 | 11.48  |  |
| Maximum         | 0.316      | 17             | 14         | 1.9    | 4.00  | 26     | 5.276 | 3.7   | 1.9        | 7.60 | 6    | 0.01 | 12.65  |  |
| Exceed.         | 6          | 0              | 0          | 0      | 0     | 0      | 0     | 0     | 0          |      |      |      |        |  |