# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **MD0024694** | **Permittee:** | Patuxent MHC, LLC | **Facility:** | PATUXENT MHC, LLC |
| **Major:** | No | **Permittee Address:** | 2138 Espey Court. Suite 1<br>Crofton, MD 21114 | **Facility Location:** | 5380 SANDS ROAD<br>LOTHIAN, MD 20711 |
| **Permitted Feature:** | 001<br>External Outfall | **Discharge:** | **001-A**<br>15-DP-0664 | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/19 to 06/30/19** | **DMR Due Date:** | **07/28/19** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Edward | **Title:** | Superintendent | **Telephone:** | 410-353-0383 |
| **Last Name:** | Crooks | | | | |
| ***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 | | | | | | = | 7.5 | | | | | 19 - mg/L | | 01/01 - Daily | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 5 MINIMUM | | | | | 19 - mg/L | | 01/01 - Daily | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00300 | Oxygen, dissolved [DO] | 1 - Effluent Gross | 1 | -- | Sample | | | | | | | | = | 8 | | | 19 - mg/L | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Permit Req. | | | | | | | | >= | 5 5 MO AV MN | | | 19 - mg/L | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00310 | BOD, 5-day, 20 deg. C | 1 - Effluent Gross | 0 | -- | Sample | = | 0.8 | = | 1.1 | 26 - lb/d | = | 7.3 | = | 12 | | | 19 - mg/L | | 01/07 - Weekly | 24 - COMP24 |
| | | | | | Permit Req. | <= | 8.8 MX MO AV | <= | 13 MX WK AV | 26 - lb/d | <= | 45 MX WK AV | <= | 30 MX MO AV | | | 19 - mg/L | | 01/07 - Weekly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 8.2 | 12 - SU | | 01/01 - Daily | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/01 - Daily | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | = | 0.7 | = | 0.9 | 26 - lb/d | = | 8 | = | 6 3 | | | 19 - mg/L | | 01/07 - Weekly | 24 - COMP24 |
| | | | | | Permit Req. | <= | 8.8 MX MO AV | <= | 13 MX WK AV | 26 - lb/d | <= | 45 MX WK AV | <= | 30 MX MO AV | | | 19 - mg/L | | 01/07 - Weekly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00600 | Nitrogen, total [as N] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 56.9 | | | 19 - mg/L | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00600 | Nitrogen, total [as N] | 1 - Effluent Gross | 1 | -- | Sample | | | = | 188.3 | 76 - lb/mo | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Permit Req. | | | | Req Mon MO TOTAL | 76 - lb/mo | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00600 | Nitrogen, total [as N] | 1 - Effluent Gross | 2 | -- | Sample | | | = | 188.3 | 50 - lb/yr | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Permit Req. | | | | Req Mon CUM TOTL | 50 - lb/yr | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00605 | Nitrogen, organic total [as N] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 01/30 - Monthly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | B - Below Detection Limit/No Detection | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit | | | | | | | | | | | | | | | 24 - |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross | 0 | -- | Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 01/30 - Monthly | COMP24 |
| | | | | | Value NODI | | | | | | | | | B - Below Detection Limit/No Detection | | | | | | |
| 00630 | Nitrite + Nitrate total [as N] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 56.9 | | | 19 - mg/L | | 01/30 - Monthly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 01/30 - Monthly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.4 | | | 19 - mg/L | | 01/30 - Monthly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 01/30 - Monthly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 1 | -- | Sample | | | = | 17.84 | 76 - lb/mo | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Permit Req. | | | | Req Mon MO TOTAL | 76 - lb/mo | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 2 | -- | Sample | | | = | 17.84 | 50 - lb/yr | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Permit Req. | | | | Req Mon CUM TOTL | 50 - lb/yr | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| X 04175 | Phosphate, ortho [as P] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 01/30 - Monthly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | -- | Sample | = | 0.013 | = | 0.018 | 03 - MGD | | | | | | | | | 99/99 - Continuous | RF - RCDFLO |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 99/99 - Continuous | RF - RCDFLO |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | | <= | 0.1 DAILY MX | 19 - mg/L | | 01/01 - Daily | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 51040 | E. coli | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 13 | 30 - MPN/100mL | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 126 MO GEOMX | 30 - MPN/100mL | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 82220 | Flow, total | 1 - Effluent Gross | 0 | -- | Sample | | | = | 0.397 | 80 - Mgal/mo | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | Permit Req. | | | | Req Mon MO TOTAL | 80 - Mgal/mo | | | | | | | | | 01/30 - Monthly | CA - CALCTD |
| | | | | | 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***

| Parameter | | Monitoring Location | Field | Type | Description | Acknowledge |
|---|---|---|---|---|---|---|
| Code | Name | | | | | |
| 04175 | Phosphate, ortho [as P] | 1 - Effluent Gross | All | Soft | All permit limit values for the Parameter are missing sample values or NODI selection. (Error Code: -1) | Yes |

***Comments***

Ortho-Phosphate Violation, see attached letter

***Attachments***

| Name | Type | Size |
|---|---|---|
| Patuxent.PDF | pdf | 457258 |

***Report Last Saved By***

***Patuxent MHC, LLC***

User: (b) (6)

Name: Edward Crooks

E-Mail: (b) (6)

Date/Time: 2019-07-29 09:48 (Time Zone: -04:00)

| *Report Last Signed By* | |
|---|---|
| User: | [redacted] (b) (6) |
| Name: | Edward Crooks |
| E-Mail: | [redacted] (b) (6) |
| Date/Time: | 2019-07-29 11:49 (Time Zone: -04:00) |

Operator: Edward Crooks
Certification #: 00281
14 E Irongate Drive Waldorf, MD 20602

Patuxent WWTP-NPDES # MD-0024694
MONTHLY OPERATING REPORT
Activated Sludge WWTP - Anne Arundel County

| JUNE 2019 | | GENERAL | | | | | INFLUENT | | | ACTIVATED SLUDGE PROCESS | | | | | | | | | | | | | FINAL EFFLUENT | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | F | | | SU | mg/L | mg/L | | mg/L | | mg/L | | | Blanket | | Inches | Appear ance | sludge (gallons) | | SU | mg/L | mg/L | mg/l | mpn | mg/L | mg/L | mg/L | mg/L | UV | |
| init / time | Date | Day | Wx | Temp | Odor | MGD | pH | BOD | SS | Color | D O | Settle | ph | SVI | aeration level | in feet | Foam | Waste | | wasted | hauled | pH | D O | NH3 | BOD | E Coli | TSS | NO2+NO3 | ORG N | TP | Cleaned | | |
| | 01 | SA | CLR | 76 | NO | .011 | | | | BRN | | 180 | 7.2 | | | | | | CLR | | | 8.0 | 8.1 | | | | | | | | | | |
| | 02 | SUN | CLR | 75 | NO | .011 | | | | BRN | | 160 | 7.3 | | | | | 1MIN | CLR | | | 7.9 | 8.0 | | | | | | | | X | UV |
| | 03 | MON | CLR | 72 | NO | .013 | 7.6 | | | BRN | | 150 | 7.5 | | | | | | CLR | | | 8.1 | 7.8 | | | | | | | | | UV |
| | 04 | TUE | CLR | 68 | NO | .012 | 8.5 | | | BRN | | 130 | 7.2 | | | | | 12 | CLR | | | 8.0 | 8.0 | | | | | | | | X | UV |
| | 05 | WED | CLR | 69 | NO | .010 | 8.3 | | | BRN | | 100 | 7.2 | | | | | | CLR | | | 7.9 | 8.2 | | 12.0 | 4.1 | 7.0 | | | | | UV |
| | 06 | THU | CLD | 70 | NO | .010 | 7.6 | | | BRN | | 120 | 7.3 | | | | | | CLR | | | 8.0 | 8.1 | | | | | | | | X | UV |
| | 07 | FR | CLR | 69 | NO | .013 | 8.2 | | | BRN | | 120 | 7.3 | | | | | | CLR | | | 8.0 | 7.5 | | | | | | | | | UV |
| | 08 | SA | CLR | 73 | NO | .012 | | | | BRN | | 120 | 7.2 | | | | | | CLR | | | 7.9 | 7.9 | | | | | | | | X | UV |
| | 09 | SUN | CLD | 67 | NO | .012 | | | | BRN | | 120 | 7.2 | | | | | 1MIN | CLR | | | 7.8 | 7.9 | | | | | | | | | UV |
| | 10 | MON | RAIN | 72 | NO | .016 | 7.3 | | | BRN | | 170 | 7.2 | | | | | 1MIN | CLR | | | 7.9 | 8.2 | | | | | | | | X | UV |
| | 11 | TUE | CLR | 65 | NO | .013 | 7.6 | | | BRN | | 170 | 7.2 | | | | | 1MIN | CLR | | | 8.0 | 7.6 | ND | 8.0 | 816.4 | 8.0 | 56.9 | ND | 5.40 | X | UV |
| | 12 | WED | CLR | 72 | NO | .017 | 7.6 | | | BRN | | 190 | 7.7 | | | | | 1MIN | CLR | | | 8.1 | 8.0 | | | | | | | | | UV |
| | 13 | THU | RAIN | 65 | NO | .014 | 7.9 | | | BRN | | 200 | 7.6 | | | | | 1MIN | CLR | | | 8.2 | 8.5 | | | | | | | | X | UV |
| | 14 | FR | CLR | 57 | NO | .013 | 8.2 | | | BRN | | 200 | 7.4 | | | | | 1MIN | CLR | | | 8.0 | 8.0 | | | | | | | | | UV |
| | 15 | SA | CLR | 68 | NO | .015 | | | | BRN | | 220 | 7.4 | | | | | 1MIN | CLR | | | 8.1 | 8.3 | | | | | | | | X | UV |
| | 16 | SUN | CLR | 73 | NO | .014 | | | | BRN | | 230 | 7.3 | | | | | 1MIN | CLR | | | 8.0 | 8.0 | | | | | | | | | UV |
| | 17 | MON | CLR | 78 | NO | .017 | 8.7 | | | BRN | | 260 | 7.3 | | | | | 24 | CLR | | | 8.0 | 8.0 | | | | | | | | X | UV |
| | 18 | TUE | CLR | 82 | NO | .018 | 7.2 | | | BRN | | 270 | 7.4 | | | | | 42 | CLR | | | 7.9 | 7.8 | | 4.0 | 7.4 | 3.0 | | | | | UV |
| | 19 | WED | CLD | 78 | NO | .017 | 7.0 | | | BRN | | 270 | 7.5 | | | | | 42 | CLR | | | 8.0 | 7.9 | | | | | | | | X | UV |
| | 20 | THU | CLD | 84 | NO | .014 | 7.5 | | | BRN | | 260 | 7.4 | | | | | 24 | CLR | | | 8.1 | 8.1 | | | | | | | | | UV |
| | 21 | FR | CLR | 77 | NO | .014 | 7.5 | | | BRN | | 260 | 7.3 | | | | | 24 | CLR | | | 8.0 | 7.5 | | | | | | | | X | UV |
| | 22 | SA | CLR | 71 | NO | .011 | | | | BRN | | 280 | 7.0 | | | | | 48 | CLR | | | 7.9 | 8.1 | | | | | | | | | UV |
| | 23 | SUN | CLR | 59 | NO | .009 | | | | BRN | | 260 | 7.4 | | | | | 24 | CLR | | | 8.0 | 7.9 | | | | | | | | X | UV |
| | 24 | MON | CLR | 80 | NO | .016 | 7.5 | | | BRN | | 300 | 7.4 | | | | | 48 | CLR | | | 8.0 | 7.9 | | | | | | | | | UV |
| | 25 | TUE | CLR | 85 | NO | .015 | 7.5 | | | BRN | | 290 | 7.5 | | | | | 48 | CLR | | | 8.1 | 8.0 | | | | | | | | X | UV |
| | 26 | WED | CLR | 90 | NO | .015 | 7.4 | | | BRN | | 270 | 7.4 | | | | | 42 | CLR | | | 8.1 | 8.6 | | 5.0 | ND | 7.0 | | | | | UV |
| | 27 | THU | CLR | 87 | NO | .010 | 7.4 | | | BRN | | 230 | 7.2 | | | | | 1MIN | CLR | | | 8.0 | 8.2 | | | | | | | | X | UV |
| | 28 | FR | CLR | 90 | NO | .012 | 7.3 | | | BRN | | 230 | 7.1 | | | | | 1MIN | CLR | | | 7.8 | 8.6 | | | | | | | | | UV |
| | 29 | SA | CLR | 73 | NO | .011 | | | | BRN | | 230 | 7.1 | | | | | 1MIN | CLR | | | 7.8 | 7.6 | | | | | | | | X | UV |
| | 30 | SUN | CLR | 76 | NO | .012 | | | | BRN | | 230 | 7.3 | | | | | 1MIN | CLR | | | 8.0 | 7.7 | | | | | | | | | UV |
| | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | x | x | | x | 0.397 | 153.8 | | | | | 6220 | 219.5 | | | | | x | | x | x | 239.6 | | ND | 29.0 | X | 25.0 | 56.9 | ND | 5.40 | X | |
| AVERAGE | | x | x | | x | .013 | 7.7 | | | | | 207 | 7.3 | | | | | 34 | | x | x | 8.0 | 8.0 | ND | 7.3 | X | 6.3 | 56.9 | ND | 5.40 | x | |
| MAXIMUM | | x | x | | x | .018 | 8.7 | | | | | 300 | 7.7 | | | | | 48 | | x | x | 8.2 | | ND | 12.0 | X | 8.0 | 56.9 | ND | 5.40 | X | UV |
| MINIMUM | | x | x | | x | .009 | 7.0 | .000 | .000 | .000 | .000 | 100 | 7.00 | .000 | .000 | .000 | .000 | 12.000 | .000 | x | x | 7.8 | 7.5 | X | X | X | X | X | X | X | x | |

Comments:

| Chesapeake Labs, Inc.<br>1000 Butterworth Court<br>Stevensville, MD 21666<br>(410) 643-8745 | Report To: | Water Services, Inc.<br>Ed Crooks<br>14E Iron Gate Drive<br>Waldorf, MD 20602 | Report #: | 1906-Patuxent | Page 1 of 1 |
|---|---|---|---|---|---|
| | | | Report Month: | June 2019 | |
| | | | Plant Name: | Patuxent | |

# LABORATORY RESULTS

| Collection | | | BOD mg/L | TSS mg/L | E. Coli MPN/100 ml |
|---|---|---|---|---|---|
| Location | 001 Comp, E. Coli Grab | Result | 12 | 7 | 4.1 |
| Date | 06/05/19 | Date Analyzed | 06/05/19 | 06/07/19 | 06/05/19 |
| Time | 1105 Comp., 1105 Grab | Time Analyzed | 1300 | 1000 | 1250 |
| By | EC | Analyst | MM/AS | AS | CR |
| Received | 06/05/19, 1220 | Qualifiers | | | |

| Collection | | | BOD mg/L | TSS mg/L | E. Coli MPN/100 ml | NH3 mg/L | NO2+NO3 mg/L | Organic N mg/L | T Phos. mg/L |
|---|---|---|---|---|---|---|---|---|---|
| Location | 001 Comp, E. Coli Grab | Result | 8 | 8 | 816.4 | ND | 56.9 | ND | 5.40 |
| Date | 06/11/19 | Date Analyzed | 06/12/19 | 06/14/19 | 06/11/19 | 06/12/19 | 06/12/19 | 06/13/19 | 06/14/19 |
| Time | 1245 Comp., 1245 Grab | Time Analyzed | 0800 | 1230 | 1545 | 1000 | 1109 | 0934 | 1012 |
| By | EC | Analyst | AS/MM | AS | SRB | RS | SRB | RS | MM |
| Received | 06/11/19, 1520 | Qualifiers | | | | | | | |

| Collection | | | BOD mg/L | TSS mg/L | E. Coli MPN/100 ml |
|---|---|---|---|---|---|
| Location | 001 Comp, E. Coli Grab | Result | 4 | 3 | 7.4 |
| Date | 06/18/19 | Date Analyzed | 06/19/19 | 06/21/19 | 06/18/19 |
| Time | 1215 Comp., 1215 Grab | Time Analyzed | 0800 | 1000 | 1513 |
| By | EC | Analyst | AS/MM | MM | DC |
| Received | 06/8/19, 1345 | Qualifiers | | | |

| Collection | | | BOD mg/L | TSS mg/L | E. Coli MPN/100 ml |
|---|---|---|---|---|---|
| Location | 001 Comp, E.Coli Grab | Result | 5 | 7 | ND |
| Date | 06/26/19 | Date Analyzed | 06/26/19 | 06/26/19 | 06/26/19 |
| Time | 1015 Comp., 1015 Grab | Time Analyzed | 1300 | 0930 | 1450 |
| By | EC | Analyst | MM/MC | MM | CR |
| Received | 06/26/19, 1245 | Qualifiers | | | |

**Comments:**
Results are valid only when an approval signature has been added to the document
Sodium thiosulfate present in E. coli sample prior to testing
**ND:** Not Detected above the reporting limit

**EPA Lab ID: MD00086**
**Approved by Laboratory Director,**
(b) (4)

**Methods of Analysis:** BOD: SM 5210 B-2011, TSS: SM20 2540D, Total Phosphorus: HACH 8190, Ortho Phosphorus: HACH 8190, Ammonia ($NH_3$): SM22 4500-$NH_3$ G, TKN: EPA 351.2, Nitrate-nitrite ($NO_3$ + $NO_2$): EPA 353.2, SM20 4500-$NO_3$ D, E. Coli: Colilert-18 ®
**Reporting Limits:** BOD: 2 mg/L, TSS: 1 mg/L, Total and Ortho Phosphorus: 0.10 mg/L, Ammonia: 0.5 mg/L, TKN: 0.625 mg/L, Nitrate + nitrite: 0.5 mg/L, E. Coli: 1 MPN/100 ml
**Qualifiers:** MS: matrix spike recovery out of acceptable limits; R: RPD out of acceptable limits, H: sample out of holding time; L: lab fortified blank out of acceptable range; A: sample not acidified to pH < 2; T: sample not received at correct temperature; C: see comments

# Chain of Custody Record

**Water Testing Labs of Maryland, Inc.**
**Chesapeake Labs, Inc.**
1000 Butterworth Court, Thompson Creek Business Park; Stevensville, MD 21666
Phone: 410-643-7711 Fax: 410-643-5034 www.wtlmd.com



CLIENT NAME: WATER SERVICES, INC.

CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER:
14 E. IRONGATE DR.
WALDORF, MD. 20602
301-645-2798 (PHONE)
301-705-5734 (FAX)

ATTENTION: CC:

REQUESTED COMPLETION DATE: PO#:

PROJECT NAME/STATE:

PROJECT #:

ANALYSIS REQUESTED

| DATE | TIME | MATRIX CODE * | COMP | GRAB | SAMPLE IDENTIFICATION | # of CONTAINERS | SAMPLE TEMP | BOD, TSS | | | E. COLI | | | | | LAB ID NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONTAINER: | | | | | | | | P | | | S | | | | | |
| PRESERV.: | | | | | | | | 7 | | | 7 | | | | | |
| 6.5 | 1105 | WW | ☒ | ☐ | PATUXENT | 2 | 3° | X | | | | | | | | |
| 6.5 | 1105 | WW | ☐ | ☒ | PATUXENT | 1 | | | | | X | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |

| CONTAINER TYPE | PRESERVATION |
|---|---|
| P – PLASTIC | 1 – HCl, 4° |
| A – AMBER GLASS | 2 – $H_2SO_4$, 4° |
| G – CLEAR GLASS | 3 – $HNO_3$, 4° |
| V – VOA VIAL | 4 – NaOH, 4° |
| S – STERILE | 5 – NaOH/ZnAc, 4° |
| O – OTHER | 6 – $Na_2S_2O_3$, 4° |
| | 7 – 4° |
| | 8 – none |

*MATRIX CODES

| | |
|---|---|
| DW – DRINKING WATER | S – SOIL |
| WW – WASTE WATER | SL – SLUDGE |
| GW – GROUND WATER | SD – SOLID |
| ST – STORM WATER | A – AIR |
| SW – SURFACE WATER | L – LIQUID |
| | P – PRODUCT |

REMARKS/ADDITIONAL INFORMATION

| | | | |
|---|---|---|---|
| SAMPLED BY: GD (RODF) | DATE/TIME: See Above | RELINQUISHED BY: GD (RODF) | DATE/TIME: 6.5.19 1220 |
| RECEIVED BY: | DATE/TIME: | RELINQUISHED BY: | DATE/TIME: |
| RECEIVED BY: | DATE/TIME: | RELINQUISHED BY: | DATE/TIME: |
| RECEIVED B (b) (4) | DATE/TIME: 6/5/19 1220 | SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT/OTHER FIELD SERVICES | |
| pH: Labeled Preserved ✓ | Ice: Yes or No | Temperature: 3.9 | Custody Seal: Intact Broken/Missing COOLER # |

FOR LAB USE ONLY
Comments:
LAB #
In-house location:
Entered into LIMS:

Please use Black Ink to complete form

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# Chain of Custody Record

**Water Testing Labs of Maryland, Inc.**
**Chesapeake Labs, Inc.**
1000 Butterworth Court, Thompson Creek Business Park; Stevensville, MD 21666
Phone: 410-643-7711 Fax: 410-643-5034 www.wtlmd.com



CLIENT NAME: WATER SERVICES, INC.

CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER:
14 E. IRONGATE DR.
WALDORF, MD. 20602
301-645-2798 (PHONE)
301-705-5734 (FAX)

ATTENTION: CC:

REQUESTED COMPLETION DATE: PO#:

PROJECT NAME/STATE:

PROJECT #:

ANALYSIS REQUESTED

| DATE | TIME | MATRIX CODE * | COMP | GRAB | SAMPLE IDENTIFICATION | # of CONTAINERS | SAMPLE TEMP | BOD, TSS | NH3, NO2-NO3, ORG. N, TP | E. COLI | | | | | LAB ID NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONTAINER: | | | | | | P | P | | S | | | | | | |
| PRESERV.: | | | | | | 7 | 2 | | 7 | | | | | | |
| 6-11 | 1241 | WW | ☒ | ☐ | PATUXENT | 3 | 4° | X | X | | | | | | |
| 6-11 | 1241 | WW | ☐ | ☒ | PATUXENT | 1 | | | | X | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | |

CONTAINER TYPE
P – PLASTIC
A – AMBER GLASS
G – CLEAR GLASS
V – VOA VIAL
S – STERILE
O – OTHER

PRESERVATION
1 – HCl, 4°
2 – $H_2SO_4$, 4°
3 – $HNO_3$, 4°
4 – NaOH, 4°
5 – NaOH/ZnAc, 4°
6 – $Na_2S_2O_3$, 4°
7 – 4°
8 – none

*MATRIX CODES
DW – DRINKING WATER
WW – WASTE WATER
GW – GROUND WATER
ST – STORM WATER
SW – SURFACE WATER
S – SOIL
SL – SLUDGE
SD – SOLID
A – AIR
L – LIQUID
P – PRODUCT

REMARKS/ADDITIONAL INFORMATION

SAMPLED BY: ED (ROOK) DATE/TIME: See Above RELINQUISHED BY: ED (ROOK) DATE/TIME: 6-11-19 1520

RECEIVED BY: DATE/TIME: RELINQUISHED BY: DATE/TIME:

RECEIVED BY: DATE/TIME: RELINQUISHED BY: DATE/TIME:

(b) (4) DATE/TIME: 6-11-19 1520 SAMPLE SHIPPED VIA: UPS FED-EX COURIER (CLIENT/OTHER) FIELD SERVICES

Ice: (Yes) or No Temperature: 4° Custody Seal: Intact Broken/Missing COOLER #

FOR LAB USE ONLY
Comments:
LAB #
In-house location:
Entered into LIMS:

Please use Black Ink to complete form

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301-645-2798 (PHONE)
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ATTENTION: CC:

REQUESTED COMPLETION DATE: PO#:

PROJECT NAME/STATE:

PROJECT #:

ANALYSIS REQUESTED

| DATE | TIME | MATRIX CODE * | COMP | GRAB | SAMPLE IDENTIFICATION | # of CONTAINERS | SAMPLE TEMP | BOD, TSS | | | E. COLI | | | | | LAB ID NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONTAINER: | | | | | | | | P | | | S | | | | | |
| PRESERV.: | | | | | | | | 7 | | | 7 | | | | | |
| 6.18 | 1215 | WW | ☒ | ☐ | PATUXENT | 2 | 4 | X | | | | | | | | |
| 6-18 | 1211 | WW | ☐ | ☒ | PATUXENT | 1 | | | | | X | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |

| CONTAINER TYPE | PRESERVATION |
|---|---|
| P – PLASTIC | 1 – HCl, 4° |
| A – AMBER GLASS | 2 – $H_2SO_4$, 4° |
| G – CLEAR GLASS | 3 – $HNO_3$, 4° |
| V – VOA VIAL | 4 – NaOH, 4° |
| S – STERILE | 5 – NaOH/ZnAc, 4° |
| O – OTHER | 6 – $Na_2S_2O_3$, 4° |
| | 7 – 4° |
| | 8 – none |

*MATRIX CODES

| | |
|---|---|
| DW – DRINKING WATER | S – SOIL |
| WW – WASTE WATER | SL – SLUDGE |
| GW – GROUND WATER | SD – SOLID |
| ST – STORM WATER | A – AIR |
| SW – SURFACE WATER | L – LIQUID |
| | P – PRODUCT |

REMARKS/ADDITIONAL INFORMATION

| | | | |
|---|---|---|---|
| SAMPLED BY: EO CROOKS | DATE/TIME: See Above | RELINQUISHED BY: EO CROOKS | DATE/TIME: 6-18-19 1341 |
| RECEIVED BY: | DATE/TIME: | RELINQUISHED BY: | DATE/TIME: |
| RECEIVED BY: | DATE/TIME: | RELINQUISHED BY: | DATE/TIME: |
| (b) (4) | DATE/TIME: 6-18-19 1345 | SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER FIELD SERVICES | |
| | Ice: Yes or No | Temperature: 4.0 | Custody Seal: Intact Broken/Missing |

FOR LAB USE ONLY
Comments:
LAB #
In-house location:
COOLER #
Entered into LIMS:

Please use Black Ink to complete form

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# Chain of Custody Record

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ATTENTION: CC:

REQUESTED COMPLETION DATE: PO#:

PROJECT NAME/STATE:

PROJECT #:

ANALYSIS REQUESTED

| DATE | TIME | MATRIX CODE * | COMP | GRAB | SAMPLE IDENTIFICATION | # of CONTAINERS | SAMPLE TEMP | BOD, TSS | | | E. COLI | | | | | LAB ID NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONTAINER: | | | | | | | | P | | | S | | | | | |
| PRESERV.: | | | | | | | | 7 | | | 7 | | | | | |
| 6-26 | 1015 | WW | ☒ | ☐ | PATUXENT | 2 | 3°C | X | | | | | | | | |
| 6-26 | 1015 | WW | ☐ | ☒ | PATUXENT | 1 | | | | | X | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |
| | | | ☐ | ☐ | | | | | | | | | | | | |

| CONTAINER TYPE | PRESERVATION |
|---|---|
| P – PLASTIC | 1 – HCl, 4° |
| A – AMBER GLASS | 2 – $H_2SO_4$, 4° |
| G – CLEAR GLASS | 3 – $HNO_3$, 4° |
| V – VOA VIAL | 4 – NaOH, 4° |
| S – STERILE | 5 – NaOH/ZnAc, 4° |
| O – OTHER | 6 – $Na_2S_2O_3$, 4° |
| | 7 – 4° |
| | 8 – none |

*MATRIX CODES

| | |
|---|---|
| DW – DRINKING WATER | S – SOIL |
| WW – WASTE WATER | SL – SLUDGE |
| GW – GROUND WATER | SD – SOLID |
| ST – STORM WATER | A – AIR |
| SW – SURFACE WATER | L – LIQUID |
| | P – PRODUCT |

REMARKS/ADDITIONAL INFORMATION

| | | | |
|---|---|---|---|
| SAMPLED BY: ED CROOKS | DATE/TIME: See Above | RELINQUISHED BY: ED CROOKS | DATE/TIME: 6-26-19 1241 |
| RECEIVED BY: | DATE/TIME: | RELINQUISHED BY: | DATE/TIME: |
| RECEIVED BY: | DATE/TIME: | RELINQUISHED BY: | DATE/TIME: |
| (b) (4) | DATE/TIME: 6/26/19 1245 | SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT/OTHER FIELD SERVICES | |
| | Ice: Yes or No | Temperature: 4.0 | Custody Seal: Intact Broken/Missing |

FOR LAB USE ONLY

Comments:

LAB #

In-house location:

COOLER #

Entered into LIMS:

Please use Black Ink to complete form

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