

# LEWES WASTEWATER TREATMENT PLANT

## Influent Flow Report

### Influent Flow

| Time         | Flow             |
|--------------|------------------|
| 6/1/2020     | 884400           |
| 6/2/2020     | 874000           |
| 6/3/2020     | 892400           |
| 6/4/2020     | 912000           |
| 6/5/2020     | 951900           |
| 6/6/2020     | 982000           |
| 6/7/2020     | 971400           |
| 6/8/2020     | 923500           |
| 6/9/2020     | 904400           |
| 6/10/2020    | 917200           |
| 6/11/2020    | 1024600          |
| 6/12/2020    | 1034500          |
| 6/13/2020    | 1042400 Peak Day |
| 6/14/2020    | 1033800          |
| 6/15/2020    | 963200           |
| 6/16/2020    | 940100           |
| 6/17/2020    | 939500           |
| 6/18/2020    | 967600           |
| 6/19/2020    | 1006200          |
| 6/20/2020    | 989700           |
| 6/21/2020    | 968800           |
| 6/22/2020    | 933300           |
| 6/23/2020    | 923900           |
| 6/24/2020    | 911900           |
| 6/25/2020    | 944500           |
| 6/26/2020    | 963100           |
| 6/27/2020    | 995200           |
| 6/28/2020    | 987000           |
| 6/29/2020    | 961100           |
| 6/30/2020    | 940100           |
| Total Flow : | 28683700         |

# LEWES WASTEWATER TREATMENT PLANT

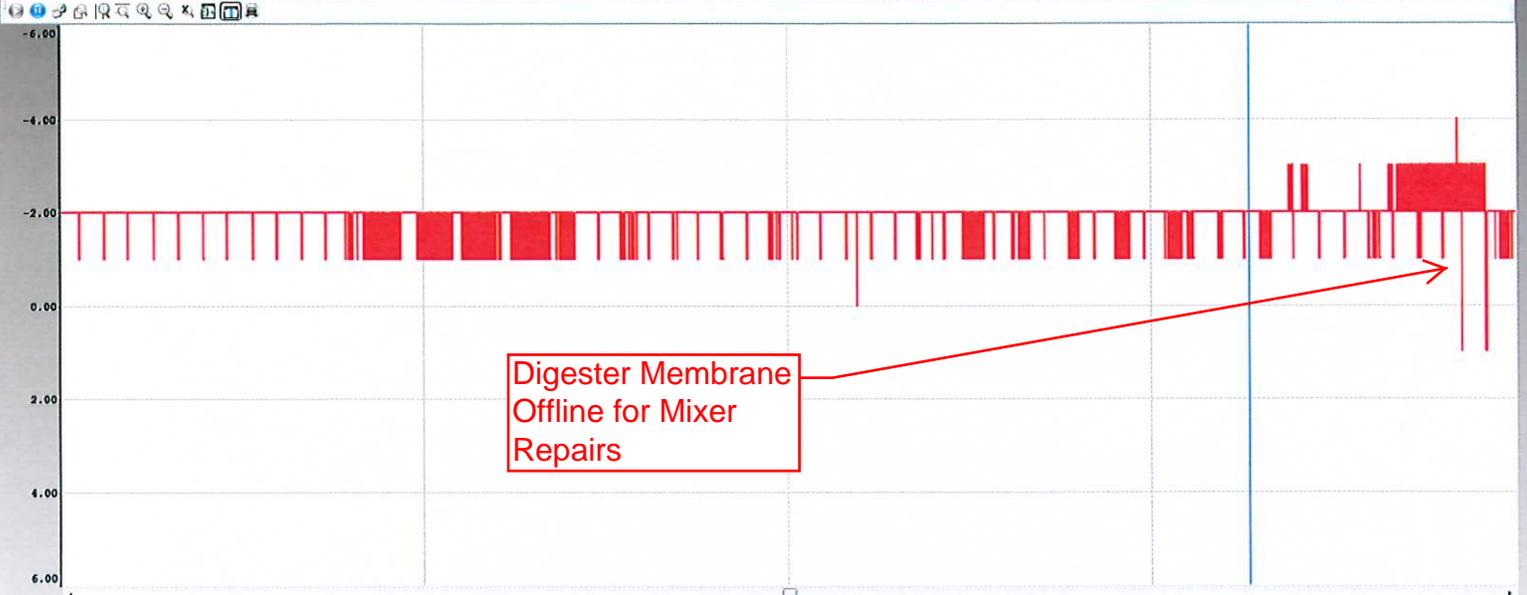
## Effluent Flow Report

Effluent Flow

| Time         | Flow             |
|--------------|------------------|
| 6/1/2020     | 876200           |
| 6/2/2020     | 865300           |
| 6/3/2020     | 880600           |
| 6/4/2020     | 903300           |
| 6/5/2020     | 910600           |
| 6/6/2020     | 941200           |
| 6/7/2020     | 964600           |
| 6/8/2020     | 958800           |
| 6/9/2020     | 909700           |
| 6/10/2020    | 906200           |
| 6/11/2020    | 924100           |
| 6/12/2020    | 1085500 Peak Day |
| 6/13/2020    | 1032700          |
| 6/14/2020    | 1035900          |
| 6/15/2020    | 947800           |
| 6/16/2020    | 920000           |
| 6/17/2020    | 923500           |
| 6/18/2020    | 948600           |
| 6/19/2020    | 983600           |
| 6/20/2020    | 955300           |
| 6/21/2020    | 971500           |
| 6/22/2020    | 929200           |
| 6/23/2020    | 915500           |
| 6/24/2020    | 901300           |
| 6/25/2020    | 939500           |
| 6/26/2020    | 946400           |
| 6/27/2020    | 974700           |
| 6/28/2020    | 986500           |
| 6/29/2020    | 948000           |
| 6/30/2020    | 929200           |
| Total Flow : | 28315300         |

# TRANSMEMBRANE PRESSURE

Cursor Time : 06/25/2020 03:56:37.580



Digester Membrane  
Offline for Mixer  
Repairs

06/01/2020 05:02:52

Duration: 704.000000

06/30/2020 13:02:52

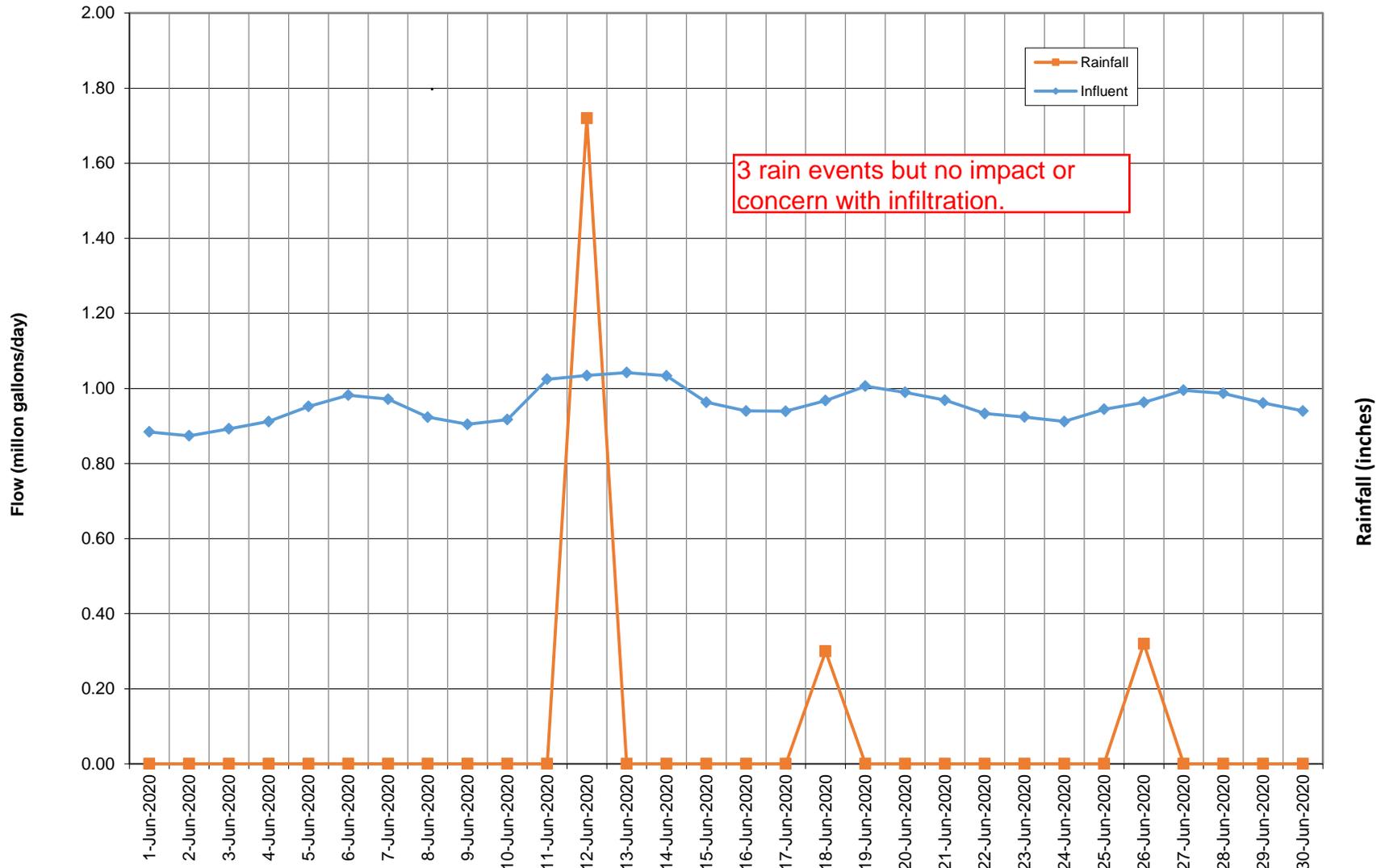
| Label             | Current | Cursor |
|-------------------|---------|--------|
| Transmembrane PSI | -1.90   | -2.00  |

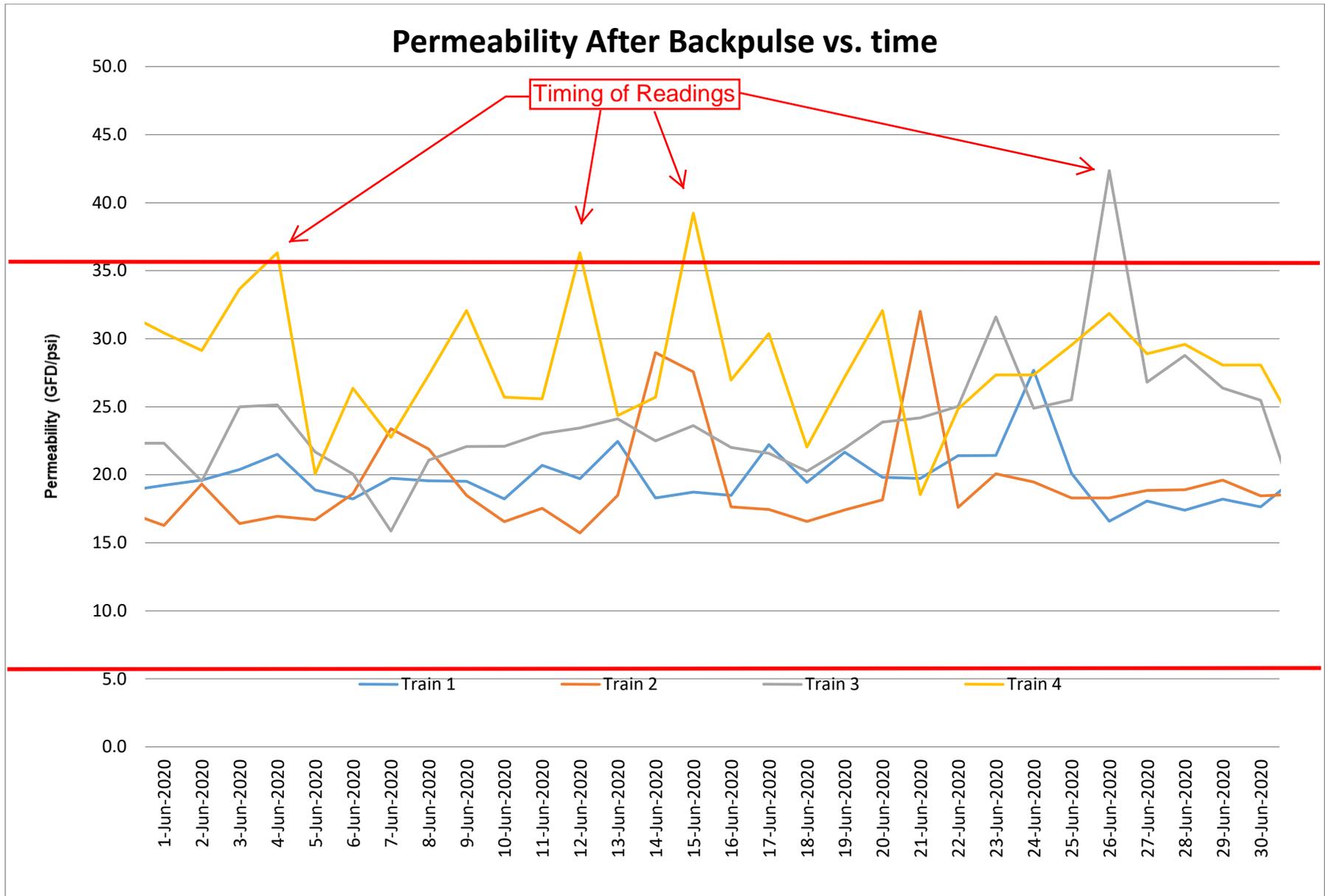
Open Previous    Reset Zoom

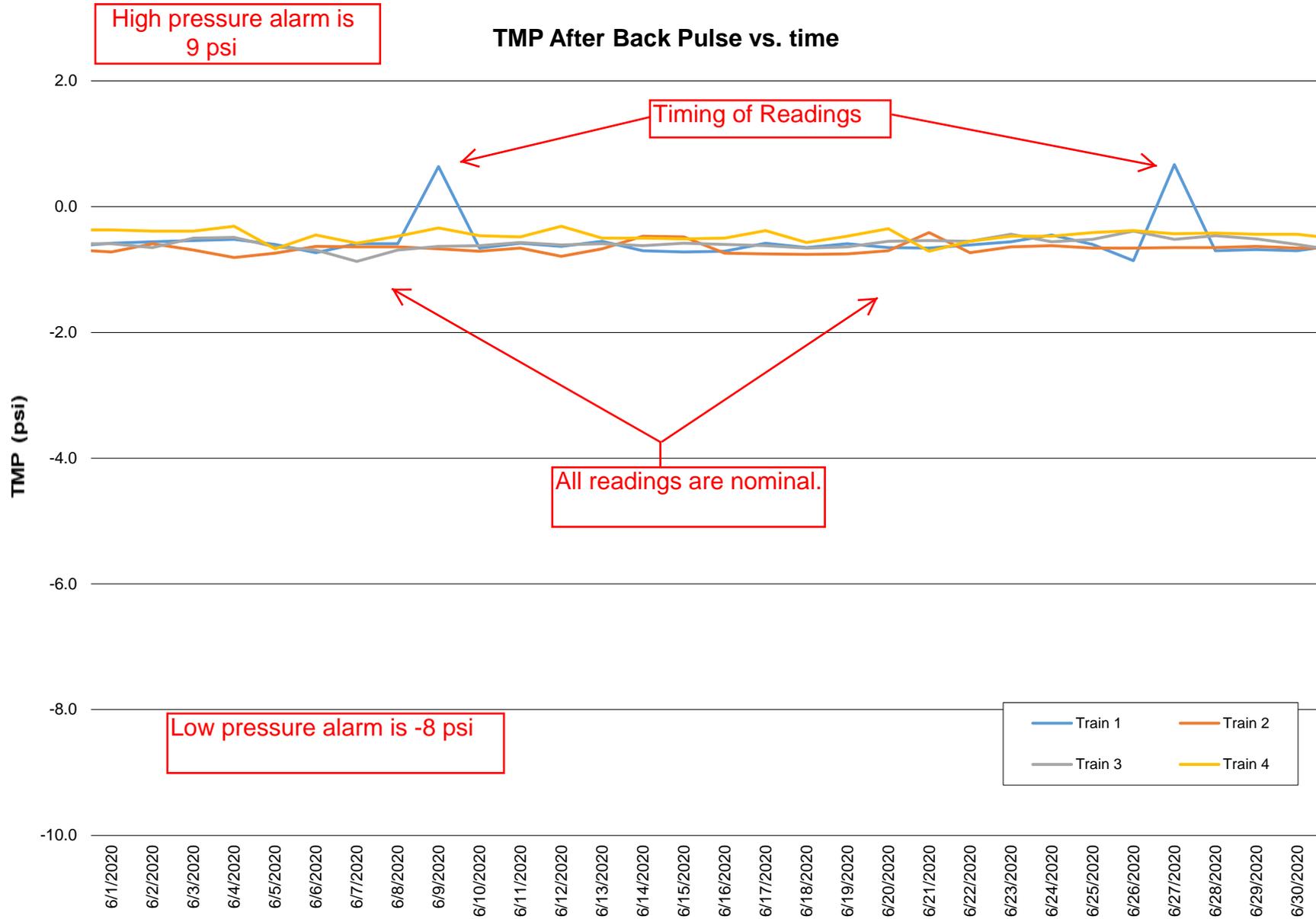
Main Menu    Print Trend

**13:02:52**  
Wednesday, July 1, 2020  
User : Guest  
Group : Guest  
003 Acknowledged Alarms  
001 Unacknowledged Alarms  
004 Total Alarms

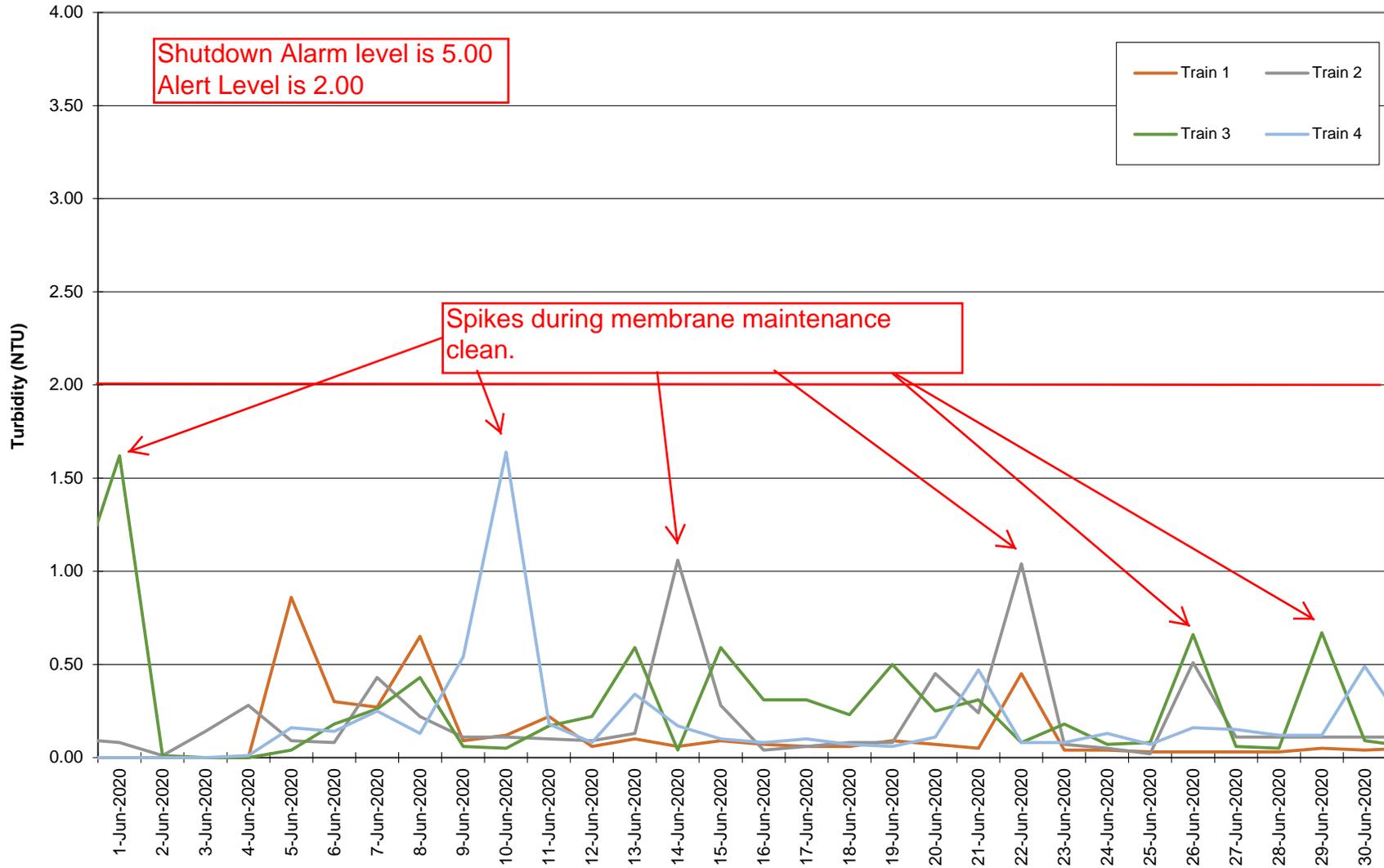
### Influent Flow Vs. Rainfall







### Turbidity Profile



**PUMP STATION 196**

| Jun-20 |    | PS 196           |                 |
|--------|----|------------------|-----------------|
|        |    | METER<br>READING | 24 HOUR<br>FLOW |
| MON    | 1  | 51254590         | 0.381890        |
| TUE    | 2  | 51636480         | 0.387600        |
| WED    | 3  | 52024080         | 0.387920        |
| THUR   | 4  | 52412000         | 0.398350        |
| FRI    | 5  | 52810350         | 0.411030        |
| SAT    | 6  | 53221380         | 0.416970        |
| SUN    | 7  | 53638350         | 0.421310        |
| MON    | 8  | 54059660         | 0.397650        |
| TUE    | 9  | 54457310         | 0.398770        |
| WED    | 10 | 54856080         | 0.407390        |
| THUR   | 11 | 55263470         | 0.421640        |
| FRI    | 12 | 55685110         | 0.429030        |
| SAT    | 13 | 56114140         | 0.433970        |
| SUN    | 14 | 56548110         | 0.439370        |
| MON    | 15 | 56987480         | 0.408020        |
| TUE    | 16 | 57395500         | 0.410620        |
| WED    | 17 | 57806120         | 0.412110        |
| THUR   | 18 | 58218230         | 0.416790        |
| FRI    | 19 | 58635020         | 0.372080        |
| SAT    | 20 | 59007100         | 0.358220        |
| SUN    | 21 | 59365320         | 0.355420        |
| MON    | 22 | 59720740         | 0.353260        |
| TUE    | 23 | 60074000         | 0.347030        |
| WED    | 24 | 60421030         | 0.344790        |
| THUR   | 25 | 60765820         | 0.353700        |
| FRI    | 26 | 61119520         | 0.360790        |
| SAT    | 27 | 61480310         | 0.379210        |
| SUN    | 28 | 61859520         | 0.374840        |
| MON    | 29 | 62234360         | 0.365820        |
| TUE    | 30 | 62600180         | 0.355520        |
|        |    | 62955700         |                 |

|         |           |
|---------|-----------|
| TOTAL   | 11.701110 |
| COUNT   | 30        |
| AVERAGE | 0.390037  |
| MINIMUM | 0.344790  |
| MAXIMUM | 0.439370  |

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)



PERMITTEE NAME/ADDRESS (include Facility Name/Location if different):

NAME: Howard Seymour Water Reclamation Plant  
 ADDRESS: 116 American Legion Road, Lewes, DE 19958 US  
 FACILITY: Howard Seymour Water Reclamation Plant  
 LOCATION: 116 American Legion Road, Lewes, DE 19958 US

DE0021512 PERMIT NUMBER  
 001 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 2020 06 01 TO 2020 06 30

REPORT DESIGNATOR: A  
 DATA ENTRY COMPLETE: 7/10/2020  
 REPORT SUBMITTED BY: jmarion@tuiwater.com  
 STATUS OF SUBMISSION: Submitted for Signature

| #   | PARAMETER              | SAMPLE MEASUREMENT | NDI | QUANTITY OR LOADING         |                             |             | QUALITY OR CONCENTRATION    |                             |                             |              | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE  |
|-----|------------------------|--------------------|-----|-----------------------------|-----------------------------|-------------|-----------------------------|-----------------------------|-----------------------------|--------------|---------|-----------------------|--------------|
|     |                        |                    |     | AVERAGE                     | MAXIMUM                     | UNITS       | MINIMUM                     | AVERAGE                     | MAXIMUM                     | UNITS        |         |                       |              |
| 1/1 | Flow                   | SAMPLE MEASUREMENT |     | 0.9442                      | 1.0856                      | Mil Gal/Day |                             |                             |                             | --           | 0       | 99/99                 | RCOTOT       |
|     | Gross Effluent (50050) | PERMIT REQUIREMENT | -   | No Limit   Monitoring Req'd | No Limit   Monitoring Req'd | Mil Gal/Day | No Monitoring Required      | No Monitoring Required      | No Monitoring Required      | --           | --      | 99/99                 | RCOTOT       |
| 1/2 | Dissolved oxygen (DO)  | SAMPLE MEASUREMENT |     |                             |                             | --          | 1.98                        |                             | 4.4                         | mg/l         | 0       | 99/99                 | Imersion     |
|     | Gross Effluent (00300) | PERMIT REQUIREMENT | -   | No Monitoring Required      | No Monitoring Required      | --          | No Limit   Monitoring Req'd | No Monitoring Required      | No Limit   Monitoring Req'd | mg/l         | --      | 99/99                 | Imersion     |
| 1/3 | pH                     | SAMPLE MEASUREMENT |     |                             |                             | --          | 7.4                         |                             | 7.7                         | Std pH Units | 0       | 01/01                 | Grab         |
|     | Gross Effluent (00400) | PERMIT REQUIREMENT | -   | No Monitoring Required      | No Monitoring Required      | --          | 6                           | No Monitoring Required      | 9                           | Std pH Units | --      | 01/01                 | Grab         |
| 1/4 | Enterococcus           | SAMPLE MEASUREMENT |     |                             |                             | --          |                             | <1                          | <1                          | CFU/100 ML   | 0       | 01/07                 | Grab         |
|     | Gross Effluent (31639) | PERMIT REQUIREMENT | -   | No Monitoring Required      | No Monitoring Required      | --          | No Monitoring Required      | 10                          | 104                         | CFU/100 ML   | --      | 01/07                 | Grab         |
| 1/5 | BOD5                   | SAMPLE MEASUREMENT |     | <3.03                       | <18.6                       | lbs/Day     |                             | <2.4                        | <2.4                        | mg/l         | 0       | 01/07                 | Composite 24 |
|     | Gross Effluent (00310) | PERMIT REQUIREMENT | -   | 188                         | 288                         | lbs/Day     | No Monitoring Required      | 15                          | 23                          | mg/l         | --      | 01/07                 | Composite 24 |
| 1/6 | BOD5                   | SAMPLE MEASUREMENT |     |                             |                             | --          |                             | 161                         | 249                         | mg/l         | 0       | 01/07                 | Composite 24 |
|     | Raw Sewage (00310)     | PERMIT REQUIREMENT | -   | No Monitoring Required      | No Monitoring Required      | --          | No Monitoring Required      | No Limit   Monitoring Req'd | No Limit   Monitoring Req'd | mg/l         | --      | 01/30                 | Composite 24 |
| 1/7 | TSS                    | SAMPLE MEASUREMENT |     | <1.44                       | <15.27                      | lbs/Day     |                             | <1.14                       | <2                          | mg/l         | 0       | 01/07                 | Composite 24 |
|     | Gross Effluent (00530) | PERMIT REQUIREMENT | -   | 188                         | 288                         | lbs/Day     | No Monitoring Required      | 15                          | 23                          | mg/l         | --      | 01/07                 | Composite 24 |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

|  |   |  |           |             |
|--|---|--|-----------|-------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | [ATTACH DIGITAL SIGNATURE RECEIPT FROM CROMERR]              | TELEPHONE | DATE        |
|  |   | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |           | YEAR MO DAY |
| TYPED OR PRINTED                       |   |  |           |             |

NDI (No Data Indicator) Reasons: 8 - No Sample (Other); 9 - No Sample (Monitoring Not Required this Monitoring Period); B - Not Detected; C - No Sample (No Discharge)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)



PERMITTEE NAME/ADDRESS (include Facility Name/Location if different):

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DE0021512 PERMIT NUMBER  
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 MONITORING PERIOD FROM 2020 06 01 TO 2020 06 30

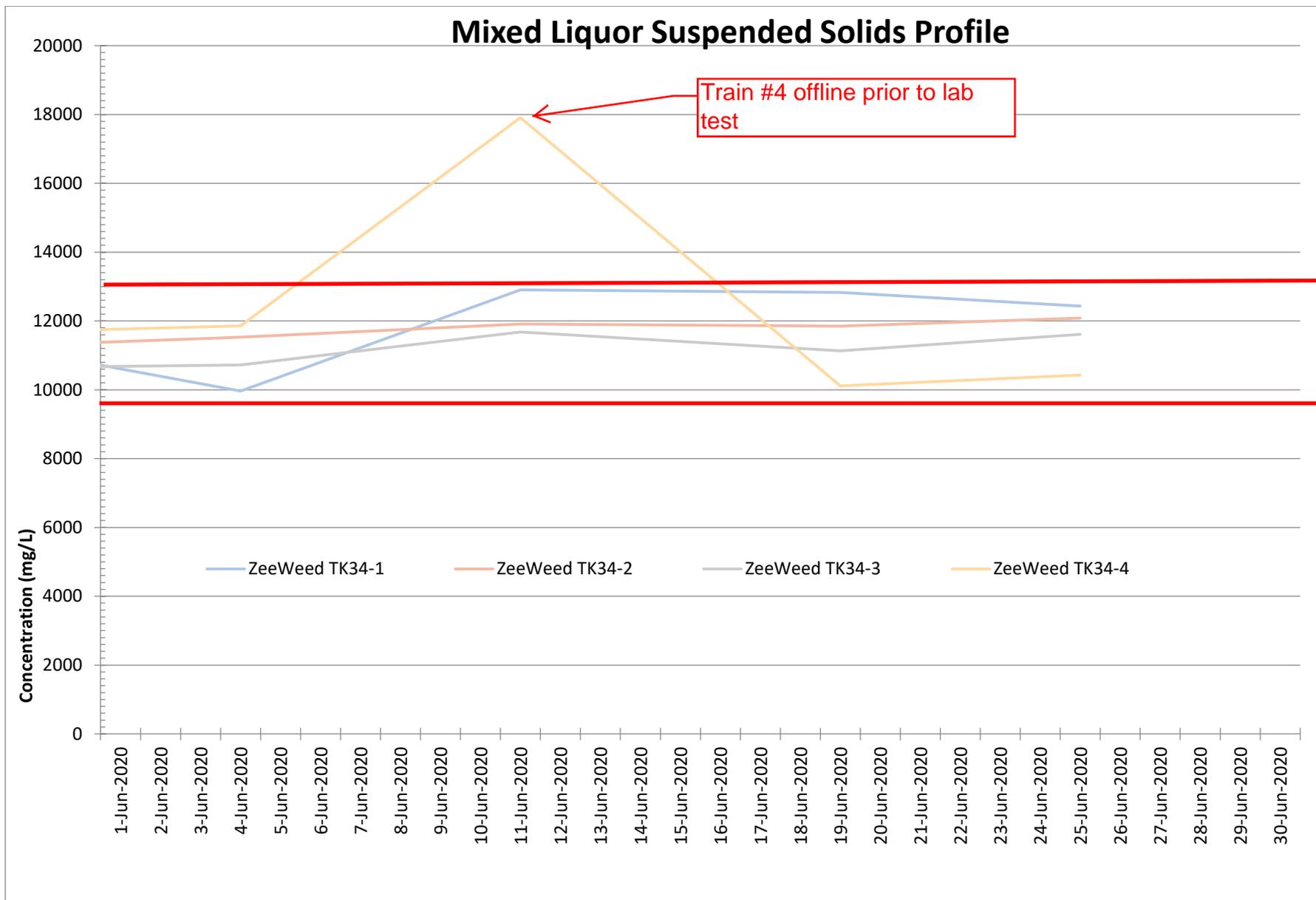
REPORT DESIGNATOR: A  
 DATA ENTRY COMPLETE: 7/10/2020  
 REPORT SUBMITTED BY: jmarion@tuiwater.com  
 STATUS OF SUBMISSION: Submitted for Signature

| #   | PARAMETER              | NDI                | QUANTITY OR LOADING |                        |                             | QUALITY OR CONCENTRATION |                        |                             | NO. EX.                     | FREQUENCY OF ANALYSIS | SAMPLE TYPE |              |              |
|-----|------------------------|--------------------|---------------------|------------------------|-----------------------------|--------------------------|------------------------|-----------------------------|-----------------------------|-----------------------|-------------|--------------|--------------|
|     |                        |                    | AVERAGE             | MAXIMUM                | UNITS                       | MINIMUM                  | AVERAGE                | MAXIMUM                     |                             |                       |             | UNITS        |              |
| 2/1 | TSS                    | SAMPLE MEASUREMENT |                     |                        | --                          |                          | 115.68                 | 217                         | mg/l                        | 0                     | 01/07       | Composite 24 |              |
|     | Raw Sewage (00530)     | PERMIT REQUIREMENT | -                   | No Monitoring Required | No Monitoring Required      | --                       | No Monitoring Required | No Limit   Monitoring Req'd | No Limit   Monitoring Req'd | mg/l                  | --          | 01/30        | Composite 24 |
| 2/2 | Total Nitrogen         | SAMPLE MEASUREMENT |                     | 14.22                  | 14.22                       | lbs/Day                  |                        | 1.97                        | 1.97                        | mg/l                  | 0           | 01/30        | Composite 24 |
|     | Gross Effluent (00600) | PERMIT REQUIREMENT | -                   | 100                    | No Limit   Monitoring Req'd | lbs/Day                  | No Monitoring Required | 8                           | No Limit   Monitoring Req'd | mg/l                  | --          | 01/30        | Composite 24 |
| 2/3 | Phosphorus, Total      | SAMPLE MEASUREMENT |                     | 9.45                   | 9.45                        | lbs/Day                  |                        | 1.31                        | 1.31                        | mg/l                  | 0           | 01/30        | Composite 24 |
|     | Gross Effluent (00665) | PERMIT REQUIREMENT | -                   | 25                     | No Limit   Monitoring Req'd | lbs/Day                  | No Monitoring Required | 2                           | No Limit   Monitoring Req'd | mg/l                  | --          | 01/30        | Composite 24 |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

|  |   |   |  |      |      |    |
|--|---|---|--|------|------|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | [ATTACH DIGITAL SIGNATURE RECEIPT FROM CROMERR] | TELEPHONE  | DATE |      |    |
|  |   |   | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |      | YEAR | MO |
| TYPED OR PRINTED                       |   |   |  |      |      |    |

NDI (No Data Indicator) Reasons: 8 - No Sample (Other); 9 - No Sample (Monitoring Not Required this Monitoring Period); B - Not Detected; C - No Sample (No Discharge)



# MONTHLY OPERATIONS REPORT

Tidewater Utilities

SITE: LEWES WWTF

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JUNE

2020

| GENERAL INFORMATION |     |           |          |            | FINAL EFFLUENT OUTFALL OO1 Dup Samples 1 per week |         |         |            |             |        |          |       |
|---------------------|-----|-----------|----------|------------|---|---------|---------|------------|-------------|--------|----------|-------|
| DATE                | DAY | AIR deg F | Prec in, | WEATHER    | EFF FLOW MGD                                      | pH S.U. | p.H DUP | D.O., mg/l | TEMP. deg C | SAMPLE |          | TEST  |
|                     |     |           |          |            |   |         |         |            |             | TIME   | INITIALS | TIME  |
| 6/1/2020            | m   | 55        | 0.00     | clear      | 0.8762  | 7.46    | 7.46    | 4.28       | 20.5        | 8:50   | DBW      | 9:01  |
| 6/2/2020            | t   | 61        | 0.00     | p/cloudy   | 0.8653  | 7.41    |         | 4.01       | 20.9        | 7:55   | DBW      | 8:03  |
| 6/3/2020            | w   | 76        | T        | p/cloudy   | 0.8806  | 7.41    |         | 3.35       | 22.2        | 8:14   | DBW      | 8:19  |
| 6/4/2020            | t   | 76        | 0.00     | clear      | 0.9033  | 7.40    |         | 2.65       | 22.6        | 7:45   | DBW      | 7:55  |
| 6/5/2020            | f   | 73        | 0.00     | clear      | 0.9106  | 7.46    |         | 2.76       | 22.8        | 9:15   | DBW      | 9:28  |
| 6/6/2020            | s   | 80        | 0.00     | Sunny      | 0.9412  | 7.56    |         | 3.04       | 23.2        | 11:45  | CL       | 11:51 |
| 6/7/2020            | s   | 71        | 0.00     | Clear      | 0.9646  | 7.41    |         | 3.01       | 23.1        | 11:52  | CL       | 12:02 |
| 6/8/2020            | m   | 58        | 0.00     | Sun        | 0.9588  | 7.47    | 7.46    | 2.95       | 22.0        | 7:23   | JT       | 7:32  |
| 6/9/2020            | t   | 63        | 0.00     | Sun        | 0.9097  | 7.51    |         | 2.95       | 22.2        | 7:35   | JT       | 7:44  |
| 6/10/2020           | w   | 75        | 0.00     | Sun        | 0.9062  | 7.46    |         | 3.41       | 22.5        | 8:05   | JT       | 9:01  |
| 6/11/2020           | t   | 79        | 0.00     | cloudy     | 0.9242  | 7.67    |         | 3.28       | 23.3        | 9:05   | JT       | 9:15  |
| 6/12/2020           | f   | 70        | 1.72     | cloudy     | 1.0856  | 7.45    |         | 3.26       | 23.2        | 9:10   | JT       | 9:15  |
| 6/13/2020           | s   | 75        | 0.00     | Clear      | 1.0327  | 7.51    |         | 4.41       | 23.5        | 18:15  | RLG      | 18:24 |
| 6/14/2020           | s   | 71        | 0.00     | clear      | 1.0360  | 7.71    |         | 2.66       | 22.8        | 17:00  | RLG      | 17:11 |
| 6/15/2020           | m   | 63        | 0.00     | cloudy     | 0.9478  | 7.42    |         | 1.98       | 21.9        | 8:20   | JT       | 8:30  |
| 6/16/2020           | t   | 63        | 0.00     | cloudy     | 0.9200  | 7.54    | 7.51    | 2.57       | 21.7        | 10:30  | JT       | 10:40 |
| 6/17/2020           | w   | 64        | T        | cloudy     | 0.9235  | 7.53    |         | 3.92       | 22.0        | 8:10   | DBW      | 8:06  |
| 6/18/2020           | t   | 65        | 0.30     | rain       | 0.9486  | 7.49    |         | 3.96       | 22.7        | 9:40   | JT       | 9:45  |
| 6/19/2020           | f   | 70        | 0.00     | sunny      | 0.9837  | 7.51    |         | 3.56       | 23.6        | 9:00   | JT       | 9:06  |
| 6/20/2020           | s   | 74        | 0.00     | clear      | 0.9554  | 7.43    |         | 3.79       | 23.5        | 10:36  | GL       | 10:44 |
| 6/21/2020           | s   | 71        | 0.00     | clear      | 0.9716  | 7.58    |         | 3.78       | 23.5        | 11:20  | GL       | 11:29 |
| 6/22/2020           | m   | 70        | 0.00     | sun        | 0.9292  | 7.59    | 7.56    | 3.16       | 23.5        | 8:40   | JT       | 8:47  |
| 6/23/2020           | t   | 75        | 0.00     | Sun        | 0.9155  | 7.51    |         | 3.09       | 24.3        | 12:00  | JT       | 12:06 |
| 6/24/2020           | w   | 75        | 0.00     | cloudy     | 0.9120  | 7.46    |         | 3.15       | 23.9        | 7:30   | JT       | 7:38  |
| 6/25/2020           | t   | 70        | 0.00     | clear      | 0.9395  | 7.45    |         | 3.27       | 23.2        | 10:25  | DBW      | 10:37 |
| 6/26/2020           | f   | 70        | 0.32     | clear      | 0.9464  | 7.51    |         | 2.74       | 23.7        | 9:20   | DBW      | 9:29  |
| 6/27/2020           | s   | 75        | 0.00     | light rain | 0.9747  | 7.40    |         | 3.49       | 23.2        | 8:55   | GL       | 9:00  |
| 6/28/2020           | s   | 79        | 0.00     | clear      | 0.9865  | 7.46    |         | 3.12       | 24.5        | 10:40  | GL       | 15:55 |
| 6/29/2020           | m   | 84        | 0.00     | clear      | 0.9480  | 7.44    | 7.46    | 3.03       | 24.2        | 8:15   | GL       | 8.25  |
| 6/30/2020           | t   | 75        | 0.00     | Sunny      | 0.9293  | 7.39    |         | 3.25       | 24.5        | 7:50   | JT       | 8:01  |

MONTHLY OPERATIONS REPORT

Tidewater Utilities

SITE: LEWES WWTF

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JUNE 2020

SITE: LEWES WWTF

JUNE

| FINAL EFFLUENT OUTFALL 001 |     |        |         |        |         |            |           |         |         |         |         |              |         |                      |         |      |         | INF     |     |         |     |        |         |     |        |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----|--------|---------|--------|---------|------------|-----------|---------|---------|---------|---------|--------------|---------|----------------------|---------|------|---------|---------|-----|---------|-----|--------|---------|-----|--------|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| DATE                       | DAY | BOD5   |         | TSS    |         | ENTEROC.   |           | TOTAL P |         | TOTAL N |         | AMMONIA AS N |         | NITRATE+NITRITE AS N |         | TKN  |         | DATE    | DAY | BOD5    |     | TSS    |         |     |        |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                            |     | mg/l   | lbs/day | mg/l   | lbs/day | Col/100 ml | Logarithm | mg/l    | lbs/day | mg/l    | lbs/day | mg/l         | lbs/day | mg/l                 | lbs/day | mg/l | lbs/day |         |     | MGD     | </> | mg/l   | lbs/day | </> | mg/l   | lbs/day |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                          | m   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 1       | m   | 0.8844  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2                          | t   | < 2.40 | < 17.32 | < 0.50 | < 3.61  |            |           | 1.31    | 9.45    | 1.97    | 14.22   | 0.68         | 4.91    | 0.68                 | 4.91    | 1.29 | 9.31    | 2       | t   | 0.874   |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3                          | w   |        | 0.00    |        | 0.00    | < 1        |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 3       | w   | 0.8924  |     | 249.00 | 1853.21 |     | 217.00 | 1615.05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4                          | t   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 4       | t   | 0.912   |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                          | f   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 5       | f   | 0.9519  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6                          | s   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 6       | s   | 0.982   |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7                          | s   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 7       | s   | 0.9714  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8                          | m   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 8       | m   | 0.9235  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9                          | t   | < 2.40 | < 18.21 | < 2.00 | < 15.17 |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 9       | t   | 0.9044  |     | 172.00 | 1297.34 |     | 136.00 | 1025.81 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                         | w   |        | 0.00    |        | 0.00    | < 1        |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 10      | w   | 0.9172  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11                         | t   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 11      | t   | 1.0246  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12                         | f   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 12      | f   | 1.0345  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13                         | s   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 13      | s   | 1.0424  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14                         | s   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 14      | s   | 1.0338  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                         | m   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 15      | m   | 0.9632  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16                         | t   | < 2.40 | < 18.41 | 0.70   | 5.37    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 16      | t   | 0.9401  |     | 112.00 | 878.13  |     | 76.70  | 601.36  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17                         | w   |        | 0.00    |        | 0.00    | < 1        |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 17      | w   | 0.9395  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18                         | t   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 18      | t   | 0.9676  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19                         | f   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 19      | f   | 1.0062  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                         | s   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 20      | s   | 0.9897  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21                         | s   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 21      | s   | 0.9688  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22                         | m   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 22      | m   | 0.9333  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23                         | t   | < 2.40 | < 18.32 | < 2.00 | < 15.27 |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 23      | t   | 0.9239  |     | 100.00 | 770.53  |     | 16.70  | 128.68  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24                         | w   |        | 0.00    |        | 0.00    | < 1        |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 24      | w   | 0.9119  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                         | t   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 25      | t   | 0.9445  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26                         | f   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 26      | f   | 0.9631  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27                         | s   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 27      | s   | 0.9952  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28                         | s   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 28      | s   | 0.987   |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29                         | m   |        | 0.00    |        | 0.00    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 29      | m   | 0.9611  |     |        | 0.00    |     | 0.00   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                         | t   | < 2.40 | < 18.60 | < 0.50 | 3.88    |            |           |         | 0.00    |         | 0.00    |              | 0.00    |                      | 0.00    |      | 0.00    | 30      | t   | 0.9401  |     | 172.00 | 1348.55 |     | 132.00 | 1034.94 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL                      |     |        |         |        |         |            |           |         |         |         |         |              |         |                      |         |      |         | TOTAL   |     | 28.6837 |     |        |         |     |        |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AVERAGE                    |     | < 2.40 | < 3.03  | < 1.14 | < 1.44  | 1.0        |           | 1.31    | 9.45    | 1.97    | 14.22   | 0.68         | 0.16    | 0.68                 | 0.16    | 1.29 | 0.31    | AVERAGE |     | 0.9561  |     | 161.00 | 204.93  |     | 115.68 | 146.86  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAXIMUM                    |     | < 2.40 | < 18.60 | < 2.00 | < 15.27 | 1.0        |           | 1.31    | 9.45    | 1.97    | 14.22   | 0.68         | 4.91    | 0.68                 | 4.91    | 1.29 | 9.31    | MAXIMUM |     | 1.0424  |     | 249.00 | 1853.21 |     | 217.00 | 1615.05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MINIMUM                    |     | < 2.40 | < 0.00  | 0.50   | 0.00    | 1.0        |           | 1.31    | 0.00    | 1.97    | 0.00    | 0.68         | 0.00    | 0.68                 | 0.00    | 1.29 | 0.00    | MINIMUM |     | 0.8740  |     | 100.00 | 0.00    |     | 16.70  | 0.00    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# LEWES WWTF

## NUTRIENT OFFSET REPORT

| MONTH        | Days | Average Monthly Flow | Monthly Average TN | Total Monthly TN Discharged | TN Based 11.8 lbs Manure Offset Required | Poultry Manure Relocated |      | Poultry Manure Offset Balance | Monthly Average TP | Total Monthly TP Discharged | TP Based 11.8 lbs Manure Offset Required |
|--------------|------|----------------------|--------------------|-----------------------------|--|--------------------------|------|-------------------------------|--------------------|-----------------------------|--|
|              |      |                      |                    |                             |  | Tons                     | Lbs. |                               |                    |                             |  |
|              |      | MGD                  | mg/L               | Lbs.                        | Lbs.                                     |                          |      | Lbs.                          | mg/L               | Lbs.                        | Lbs.                                     |
| Carry Over   |      |                      |                    |                             |  |                          |      | 3,195,312.26                  |                    |                             |  |
| January      | 31   | 0.6789               | 7.74               | 1358.55                     | 16030.85                                 |                          | -    | 3,179,281.41                  | 0.15               | 26.33                       | 310.68                                   |
| February     | 29   | 0.8255               | 1.16               | 231.60                      | 2732.88                                  |                          | -    | 3,176,548.53                  | 0.06               | 11.58                       | 136.64                                   |
| March        | 31   | 0.8058               | 1.15               | 239.58                      | 2827.06                                  |                          | -    | 3,173,721.47                  | 0.07               | 14.58                       | 172.08                                   |
| April        | 30   | 0.6604               | 0.90               | 148.71                      | 1754.76                                  |                          | -    | 3,171,966.70                  | 0.51               | 84.27                       | 994.37                                   |
| May          | 31   | 0.7431               | 2.52               | 484.15                      | 5712.91                                  |                          | -    | 3,166,253.79                  | 1.71               | 328.53                      | 3876.62                                  |
| June         | 30   | 0.9442               | 1.97               | 465.39                      | 5491.61                                  |                          | -    | 3,160,762.18                  | 1.31               | 309.47                      | 3651.78                                  |
| July         | 31   |                      |                    | 0.00                        | 0.00                                     |                          | -    | 3,160,762.18                  |                    | 0.00                        | 0.00                                     |
| August       | 31   |                      |                    | 0.00                        | 0.00                                     |                          | -    | 3,160,762.18                  |                    | 0.00                        | 0.00                                     |
| September    | 30   |                      |                    | 0.00                        | 0.00                                     |                          | -    | 3,160,762.18                  |                    | 0.00                        | 0.00                                     |
| October      | 31   |                      |                    | 0.00                        | 0.00                                     |                          | -    | 3,160,762.18                  |                    | 0.00                        | 0.00                                     |
| November     | 30   |                      |                    | 0.00                        | 0.00                                     |                          | -    | 3,160,762.18                  |                    | 0.00                        | 0.00                                     |
| December     | 31   |                      |                    | 0.00                        | 0.00                                     |                          | -    | 3,160,762.18                  |                    | 0.00                        | 0.00                                     |
| Year Balance |      |                      |                    |                             |  |                          |      | 3,160,762.18                  |                    |                             |  |

Comments:

  
 \_\_\_\_\_  
 Authorized Signatory

7/7/2020  
 \_\_\_\_\_  
 DATE

WHITE MARSH ENVIRONMENTAL SYSTEMS, INC.  
MONTHLY OPERATING REPORT - LEWES WASTEWATER TREATMENT PLANT  
ROOT CAUSE REPORT - CORRECTIVE ACTIONS SUMMARY - MAY 2020

| Action Item  | Due Date      | Action Owner | Status<br>Open/<br>Complete/<br>Ongoing | Comments/Notes   |
|--|---------------|--------------|---|--|
| 1. Replace all four trains of filter membranes   | May 2020      | BPW          | Complete                                | Installation is complete.  |
| 2. Reset Turbidity set-point to Manufacture recommended setting  | February 2020 | WMES         | Complete                                | Reset as of February 13, 2020.   |
| 3. Replace all four Turbidity monitors with new models that have additional functionality, including the ability to alarm on loss of flow.   | February 2020 | WMES         | Complete                                | New model turbidity monitors installed as of February 13, 2020.  |
| 4. Have the BPW consulting engineers and BPW staff perform Quarterly WWTF walk through to evaluate the field condition, maintenance records, compliance records and the operation and maintenance of the WWTF.   | February 2020 | BPW          | Complete                                | GMB performed their first walkthrough for the BPW on February 18, 2020. Paul Peris of WMES accompanied GMB on the walkthrough. WMES received a copy of the report from the first walkthrough on 4-30-20. <b>Second walkthrough was performed on 5-19-20.</b>   |
| 5. Review and update the plant Operation and Maintenance Manual to ensure that the current plant configuration is captured, including other updates such as Suez's recommendation on chemical and mechanical cleaning  | 5/1/2020      | BPW          | Complete                                | Darrin Gordon issued an Updated Suez O and M Manual in electronic format to WMES representative on March 3, 2020. WMES is maintaining the electronic version and a hard copy desk version on-site at the Howard H. Seymour Water Reclamation Facility.   |
| 6. Issue Contract with Suez to remotely collect data (Insight-Pro) and provide cloud-based access to the data for BPW and plant operator. Suez will monitor and trend data, provide bi-weekly reporting and cleaning recommendations. Suez will provide an annual summary report.        | 5/1/2020      | BPW          | Open                                    | Suez notified the BPW and WMES that the PLC was shipped on April 29, 2020. When the PLC is received by the BPW, it will be installed by the BPW's consultant (Keystone) in consultation with Suez. Programming of new panel scheduled for week of 6-15-20. Suez technician was onsite 6/15/20 to upload the programming for the new control panel. The Insight system is no online due to communication issues. BPW, Josh Gritton, is working with Suez and Keystone to solve the issue. |
| 7. Perform an engineering analysis of the entire plant to identify ways to improve redundancy and reliability of the plant, including:   | 6/30/2020     | BPW          | Open                                    |  |
| a. Review current screen design to determine if there is a way to remove more of the "soft and spongy" material to reduce filter   | 6/30/2020     | BPW          | Open                                    |  |
| b. Potential for splitting the four filter trains to have them operate in a redundant parallel configuration   | 6/30/2020     | BPW          | Open                                    |  |
| c. Configuration of turbidity meters to provide better protection against use of dirty water during back flush cycle   | 6/30/2020     | BPW          | Open                                    |  |
| 8. WMES to establish an improvement program for monitoring of plant performance to be evaluated and accepted by BPW. The Corrective Actions contained in the WMES report are not detailed enough to provide assurance to BPW that the plant is being operated to industry Best Practices | 5/16/2020     | WMES         | Complete                                | Included in April Monthly Report to BPW.   |

**WHITE MARSH ENVIRONMENTAL SYSTEMS, INC.**  
**MONTHLY OPERTAING REPORT - LEWES WASTEWATER TREATMENT PLANT**  
**ROOT CAUSE REPORT - CORRECTIVE ACTIONS SUMMARY - MAY 2020**

| <b>Action Item</b>   | <b>Due Date</b> | <b>Action Owner</b> | <b>Status<br/>Open/<br/>Complete/<br/>Ongoing</b> | <b>Comments/Notes</b>   |
|--|-----------------|---------------------|---|---|
| 9. Improve reporting requirements from WMES to BPW for:  | 5/16/2020       | WMES                | Complete/Ongoing                                  | Started in April Monthly Report to BPW.   |
| a. Off-normal conditions at the plant  | 5/16/2020       | WMES                | Complete/Ongoing                                  | Started in April Monthly Report to BPW.   |
| b. Discharges outside of Permit limits   | 5/16/2020       | WMES                | Complete/Ongoing                                  | Started in April Monthly Report to BPW.   |
| c. OSHA accidents  | 5/16/2020       | WMES                | Complete/Ongoing                                  | Started in April Monthly Report to BPW.   |
| d. Details included in monthly reports (to include trending of performance data, trending of equipment failures, preventative maintenance required, suggested capital improvements and other concerns)             | 5/16/2020       | WMES                | Complete/Ongoing                                  | Started in April Monthly Report to BPW.   |
| e. WMES to present their report at the monthly BPW meeting   | 5/16/2020       | WMES                | Complete/Ongoing                                  | Started in April Monthly Report to BPW.   |
| f. Require, as per the contract, a detailed yearly reporting on the operation of the plant to include the items listed in a. through d.  | 1/15/2021       | WMES                | Open  | To be included in Annual Report to BPW beginning with the 2020 Annual Report.   |
| 10. BPW staff to strengthen its oversight of Operators performance   |                 |                     |   |   |
| a. Through the review of trending data in monthly and annual reports   | 5/16/2020       | BPW                 | Complete/Ongoing                                  | BPW indicates that its staff will commence this as part of the April monthly report process.  |
| b. Schedule routine plant walk through with plant WMES management  | 5/16/2020       | BPW                 | Complete/Ongoing                                  | BPW indicates that its staff will commence this as part of the April monthly report process.  |
| c. Annual review of WMES Policies and Procedures   | 5/16/2020       | BPW                 | Complete/Ongoing                                  | BPW indicates that its staff will commence this as part of the April monthly report process.  |
| d. Reporting to the BPW Board of condition of the plant  | 5/16/2020       | BPW                 | Complete/Ongoing                                  | BPW indicates that its staff will commence this as part of the April monthly report process.  |
| e. Developing of an open Item tracking system  | 5/16/2020       | BPW                 | Complete/Ongoing                                  | BPW indicates that its staff will commence this as part of the April monthly report process.  |
| 11. BPW Board of Directors to review its oversight function of the operation of the BPW.   |                 |                     |   |   |
| a. Continue to use outside subject matter experts such as Sargent and Lundy, Suez, GMB, etc. to provide the Board with guidance on the condition of the BPW systems  | Annually        | BPW                 | Open  | To be completed annually by BPW. Schedule to be determined and added to tracking list that will be developed in Corrective Action 10. e.                        |
| b. Perform audit by a sub-group of the Board of the BPW operation and management systems   |                 |                     |   |   |
| 12. WMES to develop plans for operating plant in off-normal conditions. BPW provided WMES with a Best Practices template and copy of the prior operating company plan. This should include, but not be limited to: | 4/16/2020       | WMES/BPW            | Complete/Open                                     | WMES portion complete, to be submitted as part of the amended March 2020 Monthly Report to the BPW. BPW portion Open; to be done by BPW Engineering Consultant. |
| a. Loss of filter membrane   | 4/16/2020       | WMES/BPW            | Complete/Open                                     | WMES portion complete, to be submitted as part of the amended March 2020 Monthly Report to the BPW. BPW portion Open; to be done by BPW Engineering Consultant. |
| b. Digesters   | 4/16/2020       | WMES/BPW            | Complete/Open                                     | WMES portion complete, to be submitted as part of the amended March 2020 Monthly Report to the BPW. BPW portion Open; to be done by BPW Engineering Consultant. |
| c. Other critical equipment  | 4/16/2020       | WMES/BPW            | Complete/Open                                     | WMES portion complete, to be submitted as part of the amended March 2020 Monthly Report to the BPW. BPW portion Open; to be done by BPW Engineering Consultant. |
| d. Loss of Power   | 4/16/2020       | WMES/BPW            | Complete/Open                                     | WMES portion complete, to be submitted as part of the amended March 2020 Monthly Report to the BPW. BPW portion Open; to be done by BPW Engineering Consultant. |
| e. Storm response  | 4/16/2020       | WMES/BPW            | Complete/Open                                     | WMES portion complete, to be submitted as part of the amended March 2020 Monthly Report to the BPW. BPW portion Open; to be done by BPW Engineering Consultant. |
| f. Security Breach   | 4/16/2020       | WMES/BPW            | Complete/Open                                     | WMES portion complete, to be submitted as part of the amended March 2020 Monthly Report to the BPW. BPW portion Open; to be done by BPW Engineering Consultant. |
| g. Terrorist/cyber terrorist attack  | 4/16/2020       | WMES/BPW            | Complete/Open                                     | WMES portion complete, to be submitted as part of the amended March 2020 Monthly Report to the BPW. BPW portion Open; to be done by BPW Engineering Consultant. |

WHITE MARSH ENVIRONMENTAL SYSTEMS, INC.  
MONTHLY OPERATING REPORT - LEWES WASTEWATER TREATMENT PLANT  
ROOT CAUSE REPORT - CORRECTIVE ACTIONS SUMMARY - MAY 2020

| Action Item  | Due Date   | Action Owner                    | Status<br>Open/<br>Complete/<br>Ongoing                  | Comments/Notes   |
|--|--|---------------------------------|--|--|
| 13. BPW to look at other areas of its operation to determine if there are generic implications from the failure at the WWTF<br>a. Evaluate the operation of the Water Department, electrical department and other areas of BPW operation to determine where improvements in Management practices are needed. | Undetermined   | BPW                             | Open   | Status: In process – Sargent & Lundy is currently performing a review of the BPW electrical system and will provide input to BPW for future capital projects and areas of improvement. Review quarterly at monthly BPW meeting   |
| 14. Require all WMES operational staff to have appropriate training by Suez on the proper operation and maintenance of the filters and plant   | 5/16/2020  | WMES                            | Open   | Information included in April Monthly Report to BPW. WMES continues to follow-up with Suez on any training opportunities. Covid-19 pandemic has caused previously scheduled opportunities to be cancelled. Suez is looking at potentially having virtual training sessions. Suez will notify WMES if this becomes available. |
| 15. WMES to review its safety manual to verify they are complying with the appropriate CDC guidelines and industry best practices for sanitary conditions. Post the appropriate areas of the plant as no-smoking/no-eating   | 4/16/2020  | WMES                            | Complete   | Commitment due as part of the March 2020 Monthly Report to the BPW.  |
| 16. WMES to review its safety practices and plant conditions to determine what changes may be required. Note: The Temporary cabling that was installed to protect employees appears to create other safety concerns.   | 4/16/2020  | WMES                            | Complete   | Commitment due as part of the March 2020 Monthly Report to the BPW.  |
| 17. BPW to audit WMES safety procedures and practices to included:<br>a. Lock-out/Tag-out of equipment<br>b. Confined entry permit<br>c. Personal Protective Equipment<br>d. General Housekeeping<br>e. Chemical control and handling  | April 2020<br>April 2020<br>April 2020<br>April 2020<br>April 2020 | BPW<br>BPW<br>BPW<br>BPW<br>BPW | Complete<br>Complete<br>Complete<br>Complete<br>Complete | Documents are in a binder at the Lewes WWTP<br>Documents are in a binder at the Lewes WWTP  |
| 18. WMES to provide a monthly update on its Corrective Actions to BPW  | 4/16/2020  | WMES                            | Ongoing  | Started as part of the March 2020 Monthly Report to the BPW.   |
| 19. BPW Staff to provide an update on the status of the above Corrective Actions at routine monthly BPW meetings. This will be part of the standing agenda for the meetings  | 4/16/2020  | BPW                             | Ongoing  | Initially due as part of the review process of the March 2020 Monthly Report to the BPW.   |

## RECOMMENDATIONS TRACKING – MIDDLESEX WATER

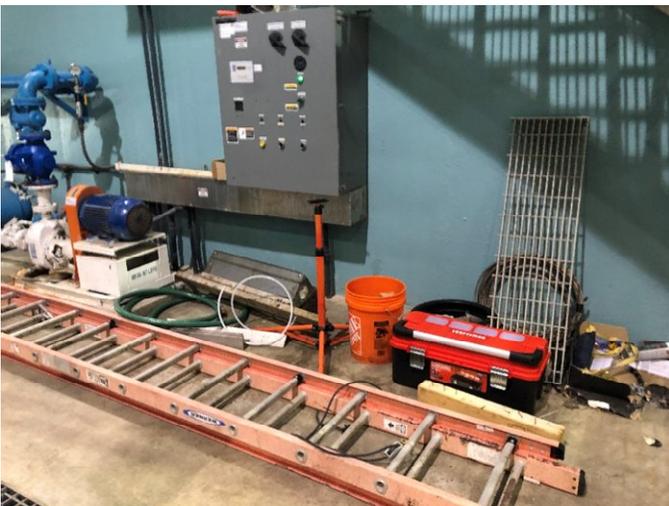
|   |   |  |
|---|---|--|
| <b>Rec. #</b>   |   |  |
| MWC-022420-01   | Laboratory<br><br>Information only – No recommendation  |   |
| <b>Notes:</b>   |   |  |
| <b>STATUS:</b> Corrected <input type="checkbox"/> <b>Estimated Completion Date</b> <input type="checkbox"/> |   |  |
| MWC-022420-02   | Laboratory – A single eyewash bottle is supplied here. We recommend the installation of a permanent eye wash station that meets ANSI requirements.<br><br>A unit can be attached to the faucet to accomplish this. See the link below for an example: |  |
| <b>Notes:</b>   |   |  |
| <b>STATUS:</b> Corrected <input type="checkbox"/> <b>Estimated Completion Date</b> <input type="checkbox"/> |   |  |
| <del>MWC-022420-03</del>  | <del>Laboratory – A Halon portable fire extinguisher has been provided in the lab. Check with your supplier to determine if this unit is appropriate for this environment.</del>  |  |
| <b>Notes:</b>   |   |  |
| <b>STATUS:</b> Corrected <input type="checkbox"/> <b>Estimated Completion Date</b> <input type="checkbox"/> |   |  |

|   |  |  |
|---|--|--|
| <p><b>Rec. #</b><br/><del>MWC-022420-13</del></p> | <p><del>Process Building</del> - A horizontal lifeline system has been installed by contractor who is performing work over the grates.</p> <p>Request engineering documents from the contractor that include details about this system and ensure that it is installed properly.</p> |  |
| <p><b>Notes:</b></p>                              |  |  |

**STATUS:** Corrected  **Estimated Completion Date**

|                      |   |   |
|----------------------|---|---|
| <p>MWC-022420-14</p> | <p>Process Building - A horizontal lifeline system has been installed by contractor who is performing work over the grates.</p> <p>Request engineering documents from the contractor that include details about this system and ensure that it is installed properly.</p> |  |
| <p><b>Notes:</b></p> |   |   |

**STATUS:** Corrected  **Estimated Completion Date**

|                                 |   |  |
|---------------------------------|---|--|
| <p><del>MWC-022420-15</del></p> | <p><del>Process Building</del> - <del>Housekeeping</del> in this building is very poor. Trip hazards are abundant due to poor material storage practices.</p> |  |
| <p><b>Notes:</b></p>            |   |  |

**STATUS:** Corrected  **Estimated Completion Date**

|  |  |  |
|--|--|--|
| <p><b>Rec. #</b><br/>MWC-022420-31</p> | <p>Digester Building – The grating on the stair landing was not secured with fasteners.</p> <p>These need to be installed.</p> |  |
| <p><b>Notes:</b></p>                   |  |  |

**STATUS:** Corrected  **Estimated Completion Date**

|                      |  |  |
|----------------------|--|--|
| <p>MWC-022420-32</p> | <p>Storage Building – Several 5 gallon drums of chemicals are stored here.</p> <p>It should be determined if these chemicals are needed and are being stored properly.</p> |  |
| <p><b>Notes:</b></p> |  |  |

**STATUS:** Corrected  **Estimated Completion Date**