

Monday Afternoon  
 Riverside, NJ  
 March 12, 2018  
**Regular Meeting**  
 4:35pm

**STATEMENT:**

Public Notice of this meeting pursuant to the Open Public Meetings Act has been given by the Riverside Sewerage Authority in the following manner:

1. Posting written notice on the official bulletin board at the Riverside Township Administrative Office Building on February 21, 2018.
2. Written notice was delivered to the Burlington County Times and the Courier Post on February 21, 2018.
3. Filed written notice with the Clerk of the Township of Riverside on February 21, 2018.

The regular meeting of the Riverside Sewerage Authority was held on the above date at the Riverside Township Municipal Building 1 W. Scott Street Riverside, NJ 08075.

**ROLL CALL**

Mr. Mingin – present, Mr. Horton – present, Mr. Conard – present, Mr. Van Meter – present, Mr. Haman – not in attendance.

Also present: Authority Secretary Susan M. Dydek, Treasurer Meghan Jack and Superintendent Joseph Bader.

**RESOLUTIONS:**

Mr. Conard made a motion to adopt Resolution 2018-#15 entitled, "APPOINTMENT OF AN ACCOUNTANT." seconded by Mr. Mingin. Upon roll call, the vote was as followed: Ayes – Messrs. Conard, Horton, Mingin and Van Meter. Nays – None. Motion carried.

Mr. Conard made a motion to adopt Resolution 2018-#16 entitled, "A RESOLUTION OF THE RIVERSIDE SEWERAGE AUTHORITY REMOVING THE APPEAL PROCEDURE FOR REDUCED RATES FOR NONCONSUMPTION OF WATER." seconded by Mr. Van Meter. Upon roll call, the vote was as followed: Ayes – Messrs. Conard, Horton, Mingin and Van Meter. Nays – None. Motion carried.

**APPROVAL OF MINUTES:**

Motion made by Mr. Conard and Mr. Van Meter that the minutes of the Reorganization Meeting of February 12, 2018 be approved as written carried.

Motion made by Mr. Van Meter and Mr. Conard that the minutes of the Work Session Meeting of February 12, 2018 be approved as written carried.

Motion made by Mr. Conard and Mr. Mingin that the minutes of the Regular Meeting of February 12, 2018 be approved as written carried.

RESOLUTION 2018 - #15

APPOINTMENT OF AN ACCOUNTANT

**WHEREAS**, there exists a need for an accountant, and

**WHEREAS**, funds are available for this purpose,

**WHEREAS**, in accordance with N.J.S.A. 19:44A-20.5, the Riverside Sewerage Authority, or any other agency or instrumentality thereof, shall not enter into a contract, including a professional service contract, having an anticipated value in excess of \$17,500, as determined by the municipality, agency or instrumentality, with a business entity, except a contract that is awarded pursuant to a fair and open process; and

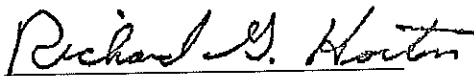
**WHEREAS**, the Riverside Sewerage Authority publicly advertised in the Burlington County Times, the official newspaper, on February 8, 2018 the Request for Proposals / Request for Qualifications for Professional Services with the submission deadline of February 28, 2018 to submit such Request for Qualifications / Request for Proposals; and

**WHEREAS**, the Riverside Sewerage Authority has complied with the minimum requirements pursuant to N.J.S.A 19:44A-20.7.

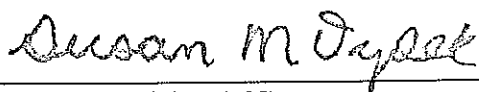
**NOW, THEREFORE, BE IT RESOLVED**, by the Riverside Sewerage Authority as follows:

1. The Chairman and Secretary are hereby authorized and directed to execute the attached contract with Bowman and Company for a commencing on March 12, 2018 and ending on February 11, 2019. The hourly amount to be dispersed by the Riverside Sewerage Authority shall not exceed \$7,500.00 for accounting services, \$203.00 an hour for additional services and \$25,550.00 for Specialized Financial and Bonding Rates. The resolution and contract are on file and available for public inspection in the office of the Authority Secretary; and

2. The firm will be required to comply with the requirements of P.L. 1975 C. 127.

  
Richard Horton, Vice - Chairman

ATTEST:



Susan M. Dydek, RMC  
Authority Secretary

## RESOLUTION 2018- #16

**RESOLUTION OF THE RIVERSIDE SEWERAGE AUTHORITY REMOVING THE APPEAL PROCEDURE FOR REDUCED RATES FOR NONCONSUMPTION OF WATER**

WHEREAS, the Riverside Sewerage Authority is a public body created by the Township of Riverside for the purpose of relieving waters in or bordering the State of New Jersey from pollution: and

WHEREAS, pursuant to N.J.S.A. 40:14A-1 et seq., the "Sewerage Authority Law", the Riverside Sewerage Authority is authorized to charge and collect rates, referred to as "service charges," from occupants or owners of property for direct or indirect connection with or use or service of its sewerage collection and treatment system: and

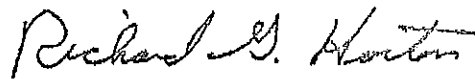
WHEREAS, the Riverside Sewerage Authority deems service charges based upon water consumption to be the most practicable and equitable method of assessing sewer charges as it assures a uniform rate structure thereby providing a satisfactory revenue flow which will enable the Riverside Sewerage Authority to fulfill its environmental obligations; and

WHEREAS, the Riverside Sewerage Authority has determined that Resolution No.1999-22 is in need of revision to assure that there are sufficient revenues to pay all expenses of operation and maintenance of the sewerage system.

WHEREAS, THEREFORE, BE IT IS RESOLVED by the Riverside Sewerage Authority of the Township of Riverside, as follows:

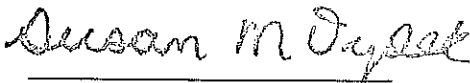
**THAT ANY AND ALL PROCEDURES GRANTING AN APPEAL FOR THE REDUCED RATES FOR NONCONSUMPTION OF WATER BE REMOVED (Chapter 44-3, Resolution 2012-#33). IN THE EVENT OF ANY DISCREPANCIES REGARDING THE CALCULATION OF SEWER CHARGES, WATER CONSUMPTION SHALL BE USED TO DETERMINE THE APPROPRIATE AMOUNT OF FEES TO BE CHARGED.**

BY ORDER OF THE RIVERSIDE SEWERAGE AUTHORITY.



Richard Horton  
Vice-Chairman

ATTEST:



Susan M. Dydek, RMC  
Authority Secretary

**PUBLIC PORTION – (TECHNICAL):**

- 1) Mr. James V. Sweezy – New Connection at 104 4<sup>th</sup> Street – There was a discussion on the connection procedure. **Motion made by Mr. Conard, seconded by Mr. Mingin to approve the request for a new connection at 104 4<sup>th</sup> Street carried.**

In seeing no additional members of the public wishing to speak, **motion made by Mr. Van Meter and Mr. Conard that Public Portion (Technical) be closed carried.**

**OLD BUSINESS:**

- 1) Financial Disclosure Statements must be filed by April 30, 2018.

**NEW BUSINESS:**

- 1) Inspection Fees. Secretary Dydek Reported that the current fees for a renewal inspection and a disconnection inspection are different and requested that the fees for inspection be uniform. **Motion made by Mr. Conard and Mr. Mingin that a resolution be prepared for the next meeting adjusting the inspection rates carried.**
- 2) NJWEA 103<sup>rd</sup> Annual Conference and Exposition May 7, 2018 – May 11, 2018.
- 3) Murphy Family – February 12, 2018 (left message on voicemail 2-11-18 @ 9:00pm) – Sewer problem.
- 4) Thomas O. Taylor – Sunday February 25, 2018 (emailed Meghan Jack) – Sewer backing into downstairs, plumber called, opened manhole and sewer was backed up to cover.
- 5) Bob Zinick – Plumber – February 26, 2018 - 102 W. Washington – Cannot locate vent.

**ACTION:**

None.

**CORRESPONDENCE:**

- 1) Maley Givens – SJM Riverside, LLC, Request for Connection Fee Credit.
- 2) John Jenkins – Letter of Resignation effective March 9, 2018. **Motion made by Messrs. Conard and Van Meter to accept the resignation of John Jenkins carried.**
- 3) Burlington County Board of Chosen Freeholders – Exploring the possibility of the Riverside Sewerage Authority accepting a portion of the County’s wastewater for treatment at the Riverside Sewerage Authority Plant. After a brief discussion, **motion made by Messrs. Conard and Mingin to deny the acceptance of the County’s wastewater at the Riverside Sewerage Plant for treatment carried.**

**REPORTS:****PLANT:**

Mr. Conard reported that the plant is running smoothly. Mr. Conard also reported on the problems with the plant receiving the laboratory results.

**APPEALS:**

Mr. Mingin had no report.

**REVENUE AND FINANCE:**

Mr. Haman was not in attendance.

**STREETS:**

Mr. Van Meter reported that everything is running smoothly. There was one street opening at 218A Madison Street.

**INSPECTIONS:**

Mr. Horton reported that there was one inspection at 218A Madison Street which was inspected by the Assistant Superintendent. The lateral renewal was done satisfactory.

**SUPERINTENDENT'S REPORT:**

Superintendent Bader reported that QC/Euofin was contact by phone and email regarding their Effluent Analysis results and they insisted that their results were accurate. The NJDEP Southern Enforcement Inspector for Riverside was notified of the multiple Permit violations with January's Laboratory sampling. On March 1, 2018 liquid Caustic Soda was added to the Secondary Clarifiers to meet the NJPDES for the Plant effluent. Two properties were reported to the NJDEP doe lateral vent overflows. The properties are: 19 Lafayette Street, NJDEP Case #180201200322 and 434 Bridgeboro Street, NJDEP Case # 180205225418. The property owner of 323 Cleveland Avenue was notified by Certified Mail that a check valve is required to be installed on laterals if a washtub or washing machine is located in a basement. The issues with the SCADA System communication issues has not been resolved. M&N Associates completed the replacement of a damaged inlet valve for Grit Chamber #1.

**Motion made by Mr. Van Meter, seconded by Mr. Conard to accept the Superintendent's Report carried.**

The report is on file in the Authority Secretary's Office.

**ENGINEER'S REPORT:**

The Engineer's Report was submitted.

**Motion made by Mr. Conard, seconded by Mr. Mingin to accept the Engineer's Report carried.**

The report is on file in the Authority Secretary's Office.

**RIVERSIDE SEWERAGE AUTHORITY  
PLANT OPERATOR'S REPORT  
AUTHORITY MEETING – March 12, 2018**

1. The Plant Performance Summary for January, 2018 is attached for review. There were four violations during this report period, which are highlighted for your review. QC/Eurofin was contacted by phone and email questioning their Effluent Analysis results, but QC/Eurofin insisted their data was accurate.

The NJDEP Southern Enforcement Inspector for Riverside was notified of the multiple Permit violations with January's Laboratory sampling.

March 1, 2018 the addition of liquid Caustic Soda to the Secondary Clarifiers was implemented to meet the NJPDES for the Plants Effluent. The NJPDES effluent pH requirement is a 6 pH and the Plant at some point received a very low influent pH of 4 pH. This low pH has not only effected the effluent, but the Nitrification Tower bacteria growth, which also can affect the effluents pH. I'm confident with the addition of the Caustic Soda and the increase of recirculation to the Nitrification Tower, the tower will be operating as designed by March 3, 2018.

The NJDEP was notified of a Laboratory Error with a January BOD analyses for the Plant's Permit requirements. The NJDEP case # is 180205225418. A code=E will be entered for this result on the DMR Report. [The email is attached for review].

The Residuals [Sludge] Management Summary for January, 2018 is also attached for review. Dewatered sludge [75 yds] was removed by the Woolston Company for composting at the County facility. Sludge processing with the Belt Filter Press has increased due to the Primary Digester being out of service;

2. The Trouble Log Summary for February, 2018 is attached for review.

Two Properties were reported to the NJDEP for a lateral vent overflow this reporting period.

- a. 19 Lafayette Street. NJDEP Case #180201200322.
- b. 434 Bridgeboro Street. NJDEP Case # 180205225418.

434 Bridgeboro Street was reported to the Burlington County Health Department and the NJDEP [Case # 180205225418] February 5, 2018. The Owner of the property was contacted by phone, when at that time they were informed to rectify. The property was inspected again February 10, 2018. The vent was not overflowing.

The manhole in front of 230 Cleveland Avenue overflowed approximately 30 gallons. The NJDEP case # is 180214215539.

3. The Line Maintenance Summary for February, 2018 is attached for review.
4. The Activities Report for February/March 2018 is attached for review.
5. RSA once again received the Annual Safety Award from the JIF.

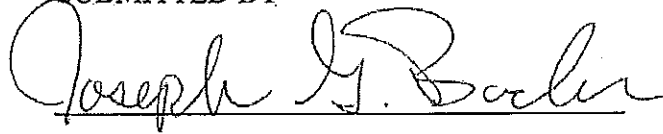
**RIVERSIDE SEWERAGE AUTHORITY  
PLANT OPERATOR'S REPORT  
AUTHORITY MEETING - March 12, 2018**

6. The Owner of 323 Cleveland Avenue was notified by Certified Mail February 15, 2018, that the Authority Bylaws requires a check valve be installed on laterals if a washtub or washing machine is installed in basement. The Return Receipt for the letter was received February 26, 2018. [A copy of the Letter is attached].
7. No measurements were recorded January/February 2018 for the Secondary Digester Dome tilt due to Safety Precautions.  
  
[The Secondary Digester is not operating as designed. The Secondary Digester Dome requires methane gas produced in the Primary Digester for the secondary roof to float correctly. Until the repairs to the Primary Digester mixing system are made, the digester won't produce enough gas to lift the Secondary Digester Dome roof].
8. Sand Filter #3 has been returned to service. [The returned to service NJDEP case # is 180226155456]. The filter is operating as designed.
9. The SCADA communication issue with the Dialer still wasn't rectified by March 9, 2018. The Dialer will not recognize the alarms generated from the SCADA system. The RACO dialer is still under a five year warranty. A RACO representative will be contacted to assist Contech with the SCADA alarm integration.
10. The SED Utilization Report for January was submitted by email to the NJDEP for the Primary Digester Project. A notification of receipt was received.
11. Clyde Lattimer & Son Construction are currently in the process of construction on the Primary Digester Mixer Project. [The NJDEP out of service case # is 171206092456].
12. Pump #1 for Pump Station #2 in the Plant is generating a Seal Leak Alarm. The estimated cost to rebuild the pump was [\$5,000.00]. Three quotations for the pump rebuild repairs were requested from Willier Electric [\$4,915.00], Municipal Maintenance [\$5,810.00] and AC Schultes [\$11,083.00]. The quotation submittal period ended March 5, 2018. Willier Electric's quotation was accepted and they were requested for estimated start date.
13. Grit Chamber #1 [Out of service case # 170411125541] is still out of service as of March 9, 2018. There is an issue with the Drive Chain Gear. The wrong gear may have been sent, which a different gear will need to be sent.
14. M&N Associates has completed the replacement of the damaged Inlet Valve for Grit Chamber #1. M&N was onsite at 8:00 pm to start the repair of the valve and the repairs were completed at 3:45 am. The repairs required completion at a low flow time to prevent any backup into homes. [The NJDEP case # is 180301033644].

**RIVERSIDE SEWERAGE AUTHORITY  
PLANT OPERATOR'S REPORT  
AUTHORITY MEETING - March 12, 2018**

15. The Hooker Street Pump Station Confined Space Davit Project was completed by C. Stevenson & Son and Inspected by ERI. The Hooker Street Pump Station did not meet the PEOSH 29 CFR 1926.501 code. Unfortunately the Davit doesn't meet the 5,000 pounds of force per worker requirement for Fall Protection. ERI was contacted to submit an estimated cost to meet the OSHA Standard.
16. The conveyor parts required to rebuild Grit Conveyor #2 were received from Pyrz. Three quotations will be requested for the repairs when Grit Chamber #1 is returned to service.
17. The additional monthly data for the DRBC has been scheduled with QC/Eurofin to start April 2018 and to continue monthly until April 2020. No estimate for cost has been received. [The data is attached for review].

SUBMITTED BY



JOSEPH G. BADER  
SUPERINTENDENT



PLANT PERFORMANCE SUMMARY

January 2018

| PARAMETER                                   | PERMIT     | REPORTED     | PARAMETER                                   | PERMIT    | REPORTED       |
|---|------------|--------------|---|-----------|----------------|
| <b>FLOW, EFFLUENT</b>                       |            |              | <b>NITRATE (AS N), EFFLUENT</b>             |           |                |
| Monthly Avg                                 | Report     | 0.15 MGD     | Mon Avg Conc                                | Report    | Code =N MG/L   |
| Daily Maximum                               | Report     | 0.32 MGD     | Daily Max Conc                              | Report    | Code =N MG/L   |
| <b>FLOW INFLUENT</b>                        |            |              | <b>E. COLI</b>                              |           |                |
| Mon Avg Conc                                | Report     | 1.01 MGD     | Monthly Geo Avg                             | 126       | 76.681 /100ML  |
| Weekly Avg Conc                             | Report     | 2.67 MGD     | Instant Max                                 | Report    | 140.000 /100ML |
| <b>5 DAY BOD, INFLUENT</b>                  |            |              | <b>FECAL COLIFORM, EFFLUENT</b>             |           |                |
| Mon Avg Conc                                | Report     | 234.67 MG/L  | Monthly Avg                                 | 200/100ML | 29.00 /100ML   |
| Weekly Avg Conc                             | Report     | 246.00 MG/L  | Weekly Avg                                  | 400/100ML | 29.00 /100ML   |
| <b>5 DAY BOD, EFFLUENT</b>                  |            |              | <b>BIOASSAY, EFFLUENT</b>                   |           |                |
| Mon Avg Loading                             | 98 KG/D    | 40.45 KG/D   | LC50 96 hr Acute                            | 50%       | Code =N %      |
| Weekly Avg Loading                          | 147 KG/D   | 83.35 KG/D   | IC25 7 day Chronic                          | Report    | Code =N %      |
| Mon Avg Conc                                | 30 MG/L    | 50.00 MG/L   | <b>CHLORINE PRODUCED OXIDANTS, EFFLUENT</b> |           |                |
| Weekly Avg Conc                             | 45 MG/L    | 88.80 MG/L   | Mon Avg Conc                                | Report    | 0.010 MG/L     |
| <b>5 DAY BOD REMOVAL EFFICIENCY</b>         |            |              | Daily Max Conc                              | Report    | 0.010 MG/L     |
| Mon Avg Minimum                             | 88.5%      | 79.21 %      | <b>TEMPERATURE, INFLUENT</b>                |           |                |
| <b>pH, INFLUENT</b>                         |            |              | Minimum                                     | Report    | 10.00 DEG C    |
| Minimum                                     | Report     | 6.97 S.U.    | Monthly Avg                                 | Report    | 13.06 DEG C    |
| Maximum                                     | Report     | 7.95 S.U.    | Maximum                                     | Report    | 15.40 DEG C    |
| <b>pH, EFFLUENT</b>                         |            |              | <b>TEMPERATURE, EFFLUENT</b>                |           |                |
| Minimum                                     | 6.00 S.U.  | 6.48 S.U.    | Minimum                                     | Report    | 6.60 DEG C     |
| Maximum                                     | 9.00 S.U.  | 7.52 S.U.    | Monthly Avg                                 | Report    | 11.75 DEG C    |
| <b>TOTAL SUSP SOLIDS, INFLUENT</b>          |            |              | Maximum                                     | Report    | 17.60 DEG C    |
| Mon Avg Conc                                | Report     | 145.87 MG/L  | <b>DISSOLVED OXYGEN, EFFLUENT</b>           |           |                |
| Weekly Avg Conc                             | Report     | 264.00 MG/L  | Wkly Avg Conc [Min]                         | 4.0 MG/L  | 6.00 MG/L      |
| <b>TOTAL SUSP SOLIDS, EFFLUENT</b>          |            |              | <b>PHOSPHOROUS, EFFLUENT</b>                |           |                |
| Mon Avg Loading                             | 113 KG/D   | 72.31 KG/D   | Mon Avg Conc                                | Report    | 5.20 MG/L      |
| Weekly Avg Loading                          | 170 KG/D   | 133.29 KG/D  | Weekly Avg Conc                             | Report    | 5.20 MG/L      |
| Mon Avg Conc                                | 30 MG/L    | 88.30 MG/L   | <b>COPPER, EFFLUENT</b>                     |           |                |
| Weekly Avg Conc                             | 45 MG/L    | 142.00 MG/L  | Mon Avg Conc                                | Report    | 0.0532 MG/L    |
| <b>TOTAL SUSP SOLIDS REMOVAL EFFICIENCY</b> |            |              | Daily Max Conc                              | Report    | 0.0532 MG/L    |
| Mon Avg Minimum                             | 85.0%      | 3.00 %       | <b>ZINC, EFFLUENT</b>                       |           |                |
| <b>OIL&amp;GREASE, EFFLUENT</b>             |            |              | Mon Avg Conc                                | Report    | 0.1330 MG/L    |
| Mon Avg Conc                                | 10 MG/L    | Code =N MG/L | Daily Max Conc                              | Report    | 0.1330 MG/L    |
| Daily Max Conc                              | 15 MG/L    | Code =N MG/L | Total Dissolved Solids                      | Effluent  | 1/month        |
| <b>AMMONIA NITROGEN (NOV-APR), EFFLUENT</b> |            |              | Mon Avg Conc                                | Report    | Code=E MG/L    |
| Mon Avg Loading                             | 75.7 KG/D  | 10.8420 KG/D | Daily Max Conc                              | Report    | Code=E MG/L    |
| Daily Max Loading                           | 151.4 KG/D | 12.2967 KG/D |   |           |                |
| Mon Avg Conc                                | 20 MG/L    | 14.8667 MG/L |   |           |                |
| Daily Max Conc                              | 40 MG/L    | 20.9000 MG/L |   |           |                |

Code = N Not Required This Monitoring Period  
Code=E Lab Error

LC50 96 hr Acute Required 1/6monthes  
IC25 7 day Chronic Required 1/ 12 Monthes

## RESIDUALS MANAGEMENT SUMMARY

January 2017

| SLUDGE PRODUCED                    |               | RAW SLUDGE                         |           |
|------------------------------------|---------------|------------------------------------|-----------|
| Total Gallons                      | 108900.00 gal | % Total Solids, minimum            | 2.10 %    |
| Average Gallons/Day                | 3512.90 gpd   | % Total Solids, average            | 2.97 %    |
| Total Dry Tons                     | 0.00 dt       | % Total Solids, maximum            | 4.00 %    |
| Average Dry Tons/ Day              | 0.00 dt/d     | % Total Volatile Solids, minimum   | 82.14 %   |
| Total Metric Tons                  | 0.00 mt       | % Total Volatile Solids, average   | 85.04 %   |
| Average Metric Tons/Day            | 0.00 mt/d     | % Total Volatile Solids, maximum   | 90.47 %   |
|                                    |               | pH minimum                         | 4.83 s.u. |
|                                    |               | pH maximum                         | 6.98 s.u. |
| LIQUID SLUDGE REMOVED              |               |                                    |           |
| Total Gallons                      | NA gal        | sludge sample temperature, min     | 10.80 C   |
| Average Gallons/Day                | NA gpd        | sludge sample temperature, avg     | 13.47 C   |
| Total Dry Tons                     | NA dt         | sludge sample temperature, max     | 17.20 C   |
| Average Dry Tons/ Day              | NA dt/d       |                                    |           |
| Total Metric Tons                  | NA mt         | PRIMARY DIGESTER SLUDGE            |           |
| Average Metric Tons/Day            | NA mt/d       | % Total Solids, minimum            | 1.10 %    |
| % Total Solids, Minimum            | NA %          | % Total Solids, average            | 1.55 %    |
| % Total Solids, Average            | NA %          | % Total Solids, maximum            | 2.00 %    |
| % Total Solids, Maximum            | NA %          | % Total Volatile Solids, minimum   | 75.00 %   |
| pH, Minimum                        | NA s.u.       | % Total Volatile Solids, average   | 75.68 %   |
| pH, Maximum                        | NA s.u.       | % Total Volatile Solids, maximum   | 76.36 %   |
|                                    |               | pH minimum                         | 0.00 s.u. |
|                                    |               | pH maximum                         | 0.00 s.u. |
| DEWATERED SLUDGE REMOVED           |               |                                    |           |
| Total Gallons to Belt Press        | 108900.00 gal | sludge sample temperature, min     | 0.00 C    |
| Average Gallons/Day                | 3512.90 gpd   | sludge sample temperature, avg     | 21.90 C   |
| % Total Solids, minimum            | 18.60 %       | sludge sample temperature, max     | 23.90 C   |
| % Total Solids, average            | 19.20 %       |                                    |           |
| % Total Solids, maximum            | 19.80 %       | SECONDARY DIGESTER SLUDGE          |           |
| % Total Volatile Solids, minimum   | 81.72 %       | % Total Solids, minimum            | 2.00 %    |
| % Total Volatile Solids, average   | 83.29 %       | % Total Solids, average            | 2.00 %    |
| % Total Volatile Solids, maximum   | 84.85 %       | % Total Solids, maximum            | 2.00 %    |
| Total Wet Cubic Yards              | 75.00 wcy     | % Total Volatile Solids, minimum   | 75.00 %   |
| Average Cubic Yards/Day            | 2.42 wcy/d    | % Total Volatile Solids, average   | 75.00 %   |
| Total Dry Metric Tons              | 10.35 dmt     | % Total Volatile Solids, maximum   | 75.00 %   |
| Average Dry Metric Tons a Day      | 0.33 dmt/d    | pH minimum                         | 6.53 s.u. |
| Total Metric Tons                  | NA mt         | pH maximum                         | 6.61 s.u. |
| Average Metric Tons/Day            | NA mt/d       | sludge sample temperature, min     | 19.20 C   |
|                                    |               | sludge sample temperature, avg     | 21.90 C   |
|                                    |               | sludge sample temperature, max     | 23.90 C   |
| OPERATIONS                         |               |                                    |           |
| Heat Exchange, Temp In, min        | 76.00 F       |                                    |           |
| Heat Exchange, Temp In, avg        | 83.10 F       | VOLATILE SOLIDS REDUCTION          |           |
| Heat Exchange, Temp In, max        | 90.00 F       | Raw to Secondary Digester, minimum | 0.00 %    |
| Heat Exchange, Temp Out, min       | 66.00 F       | Raw to Secondary Digester, average | 0.00 %    |
| Heat Exchange, Temp Out, avg       | 75.06 F       | Raw to Secondary Digester, maximum | 0.00 %    |
| Heat Exchange, Temp Out, max       | 88.00 F       |                                    |           |
| Detention Time, Primary Digester   | 34.16 days    |                                    |           |
| Detention Time, Secondary Digester | 28.47 days    |                                    |           |

N.R. = None Removed  
 N.S. = Not Sampled  
 N.W. = Not Working

O.O.S. = Out Of Service  
 R.T.S. = Return To Service  
 N.I.S. = Not In Service

# February 2018 Trouble Log Summary

| Date      | Report # | Address                    | Condition(s) Reported   | Condition(s) Found | Disposition                   |
|-----------|----------|----------------------------|-------------------------|--------------------|-------------------------------|
| 2/1/2018  | 2018-023 | 19 LAFAYETTE STREET        | Manhole overflow        | Main clear         | Notified owner/tenant         |
| 2/2/2018  | 2018-024 | 124 NORTH FAIRVIEW STREET  | Fixture backup/overflow | Lateral blocked    | Notified owner/tenant         |
| 2/5/2018  | 2018-025 | 323 CLEVELAND AVENUE       | Backflow into property  | Main slow          | Flush/vac/root cut sewer main |
| 2/5/2018  | 2018-026 | 600 BLOCK FILMORE STREET   | Line inspection         | Main slow          | Flush/vac/root cut sewer main |
| 2/5/2018  | 2018-027 | 500 BLOCK DELAWARE AVENUE  | Line inspection         | Main slow          | Flush/vac/root cut sewer main |
| 2/5/2018  | 2018-028 | 434 BRIDGEBORO STREET      | Vent overflow           | Main clear         | Notified owner/tenant         |
| 2/6/2018  | 2018-029 | 434 BRIDGEBORO STREET      | Vent overflow           | Main clear         | Notified Superintendent       |
| 2/11/2018 | 2018-030 | 255 PROGRESS STREET        | Backflow into property  | Main slow          | Flush/vac/root cut sewer main |
| 2/12/2018 | 2018-031 | 418 DAULPHIN STREET        | Backflow into property  | Main slow          | Flush/vac/root cut sewer main |
| 2/13/2018 | 2018-032 | 418 DAULPHIN STREET        | Backflow into property  | Main slow          | Flush/vac/root cut sewer main |
| 2/14/2018 | 2018-033 | SIXTH AND ARNDT AVENUE     | Line inspection         | Main clear         | Other                         |
| 2/14/2018 | 2018-034 | CHESTER AVENUE             | Line inspection         | Main slow          | Flush/vac/root cut sewer main |
| 2/14/2018 | 2018-035 | 230 CLEVELAND AVENUE       | Manhole overflow        | Main slow          | Flush/vac/root cut sewer main |
| 2/20/2018 | 2018-036 | 24 WEST HANCOCK STREET     | Markout request         | Main slow          | Flush/vac/root cut sewer main |
| 2/20/2018 | 2018-037 | 400 SAINT MITHIEL DRIVE    | Assist other Department | Main clear         | Markout main/lateral/vent     |
| 2/26/2018 | 2018-038 | 417 DELAWARE AVENUE        | Backflow into property  | Main clear         | Notified owner/tenant         |
| 2/26/2018 | 2018-039 | 102 WEST WASHINGTON STREET | Locate Vent             | Main slow          | Flush/vac/root cut sewer main |
| 2/26/2018 | 2018-040 | CHESTER AVENUE             | Line inspection         | Main clear         | Locate Vent                   |
| 2/26/2018 | 2018-040 | CHESTER AVENUE             | Line inspection         | Main slow          | Flush/vac/root cut sewer main |

## February 2018 Line Maintenance Summary

| Date      | Report #  | Location           | Section | Diameter | Distance | Remarks               |
|-----------|-----------|--------------------|---------|----------|----------|-----------------------|
| 2/1/2018  | 2018-0008 | Delaware Ave.      | 296-237 | 8"       | 363      | GRIT, GREASE          |
| 2/1/2018  | 2018-0009 | Delaware Ave.      | 299-296 | 8"       | 351      | GRIT, GREASE, RAGS    |
| 2/1/2018  | 2018-0010 | Delaware Ave.      | 455-299 | 8"       | 332      | GRIT, GREASE, RAGS    |
| 2/5/2018  | 2018-0011 | Filmore St.        | 132-131 | 8"       | 200      | GREASE                |
| 2/5/2018  | 2018-0012 | Delaware Ave.      | 237-240 | 8"       | 352      | GREASE, RAGS          |
| 2/13/2018 | 2018-0013 | Progress St.       | 217-218 | 8"       | 258      | GRIT & GREASE         |
| 2/13/2018 | 2018-0014 | Progress St.       | 218-219 | 8"       | 327      | GRIT GREASE           |
| 2/13/2018 | 2018-0015 | Progress St.       | 219-418 | 8"       | 163      | GRIT AND LIGHT GREASE |
| 2/14/2018 | 2018-0016 | Arndt Ave.         | 235-241 | 8"       | 460      | RAGS                  |
| 2/14/2018 | 2018-0017 | Chester Ave. South | 267-266 | 10"      | 267      | RAGS                  |
| 2/21/2018 | 2018-0018 | Lafayette St.      | 37-52   | 8"       | 149      | GREASE GRIT           |
| 2/21/2018 | 2018-0019 | Lafayette St.      | 52-51   | 8"       | 395      | GREASE & GRIT         |
| 2/21/2018 | 2018-0020 | Jefferson St.      | 40-44   | 8"       | 230      | GRIT                  |

RIVERSIDE SEWERAGE AUTHORITY  
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ACTIVITIES REPORT February/March 2018

ABS Electric, Contech and Pennoni Associates were onsite for SCADA System Backup Training. Training was done in two groups.

Lattimer and Son Construction was onsite to start construction the Primary Digester Mixer Project.

Trouble Log Report Corrections on 323 Cleveland Avenue were made and emailed to all Authority Members and the Secretary for the Authority.

An Inspector for Pennoni Associates was onsite for the Primary Digester Mixer Project.

Collection Maintenance on Progress Street was performed.

The water in Sand Filter #3 was drained and the silica in the filter was leveled. The filter was filled with water again for a five day self-cleaning of the silica and then the filter can be returned to service.

Repairs to the Feed Water Line for the Building 6 Air Scrubber were performed. The water line broke due to freezing temperatures.

Additional information for the Pump Station 2 Pump rebuild was emailed to AC Schultes for their quotation.

The insulation for the Feed Water Line for the Building 6 Air Scrubber was replaced. The water line broke due to freezing temperatures.

Maintenance on the Transducers for the Effluent meter was performed. The meter is still not operating as designed. North East Technical was contacted to troubleshoot the issue.

Maintenance was performed on the Influent Pump Controller and the VFD for Raw Sewer Pump #3. The VFD is not operating as designed. Perfect Services was contacted to troubleshoot the issue.

Willier Electric was contacted to troubleshoot the Electrical Starters for Raw Sewer Pump #2. The starters may need replacement.

Primary Clarifier #2 was removed from service and draining started. An object fell into the clarifier and needs removal to prevent jamming of the Skimmer Arm.

The Annual Time Off Report for 2017 was emailed to the Authority's Treasurer.

North East Technical was contacted again to troubleshoot the Effluent Meter issue.

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Deltronics was onsite to complete the repairs to Grit Chamber #1. Repairs were not completed. There is an issue with the gear for the Grit Chain.

American Door and Window was onsite to repair the glass for a Building 1 Door. Repairs are complete.

The 6 hour composite sampling for February 21, 2018 was canceled due to a processing issue with the Plant.

Collection Maintenance on Lafayette Street was performed.

QC/Eurofin was contacted by phone and email questioning the Effluent Analysis results, but QC/Eurofin insisted their data was accurate.

The NJDEP Southern Enforcement Inspector was notified of the multiple Permit violations with January's Laboratory sampling.

Repairs were performed on the drain line for Clariflocculator #1. The out of service NJDEP case # is 180221193834. The returned to service NJDEP case # is 180222154001. The repairs are complete.

Jeff & John J. attended Rutgers for their first day of two day TCH training.

Sand Filter #3 has been returned to service. [The returned to service NJDEP case # is 180226155456]. The filter is operating as designed.

A faulty thermostat for the Building 6 heater was replaced. The heater is now operating as designed.

Repairs were performed on the Sludge Sampler for the Primary Clarifiers. Training on the sampler was conducted.

323 Cleveland Avenue was notified by Certified Mail the Authority Bylaws requires a check valve on laterals if a washtub or washing machine is installed in basement. The Return Receipt for the letter has been received.

M&N Associates were onsite to inspect the Valve replacement for Grit Chamber #1. The expected date of replacement is February 28, 2018.

Deltronics is onsite to continue repairs to Grit Chamber #1. Repairs are not complete.

The additional monthly data for the DRBC has been scheduled with QC/Eurofin to start April 2018 and to continue monthly until April 2020. No estimate for cost has been received.

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Joe B attended the JIF Annual Safety Incentive meeting in Toms River. RSA once again received the Annual Safety Award from the JIF.

Additional parts were purchased from Kennedy to replace the damaged valve for Grit Chamber #1. RSA picked up the parts.

Jeff & John J. attended Rutgers for their second day of two day TCH training.

M&N was onsite 8:00 pm to start the repair of the damaged Grit Chamber #1 valve. The repairs were completed at 3:45 am. The repairs needed to be completed at a low flow time to prevent any backup into homes. [The NJDEP case #is 180301033644].

A drum of Caustic Soda was purchased to adjust the Effluent pH to meet the NJPDES.

Maintenance was performed on the Caustic Pump before use.

The addition of Caustic Soda into the Secondary Clarifiers was started March 1, 2018.

The Analytical Standards for the RSA Laboratory Certification for NJDEP have be purchased from ERA.

John Jenkins ran the Belt Filter Press for 12 hours on Saturday March 3, 2018 to maintain safe sludge levels in the Plant's Treatment Process.

Received AC Schultes [\$11,083.00] quotation on the Pump Station 2 pump rebuild.

Perfect Services onsite to troubleshoot the VFD issues with RSP #3. The 4-20 ma module needs replacement.

Joe B attended a meeting at the Town Hall regarding Pennoni Bills.

RSA's acceptance of Willier Electric's quotation to rebuild Pump Station #2 pump was emailed March 7, 2018.

The October 2017 RTR for the Plant was reissued by email to the County.

Municipal Maintenance and AC Schultes were notified by email that RSA didn't accept their quotation's to rebuild Pump Station #2 pump.

All Licensed Plant Employees license numbers were submitted to the MEL for TCH Training purposes.

**MONTHLY FINANCIAL REPORT:**

Treasurer Jack reported that audit preparations are in the final stages and there will be a first quarter report submitted next month.

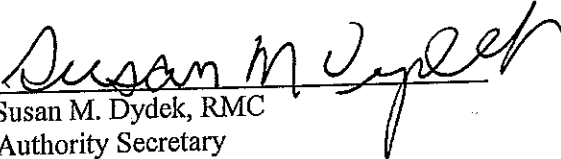
**BILLS AND EXPENDITURES:**

Motion made by Mr. Conard, seconded by Mr. Van Meter that all bills and expenditures be paid carried.

**PUBLIC PORTION (INFORMATIONAL)**

In seeing that no other members of the public were present, motion made by Mr. Conard and Mr. Van Meter that Public Portion (Informational) be closed, carried.

There being no further business to attend to, motion made by Mr. Conard and Mr. Van Meter the meeting be adjourned, and so declared by Vice-Chairman Horton.

  
Susan M. Dydek, RMC  
Authority Secretary