

Monday Afternoon
Riverside, NJ
August 8, 2022
Regular Meeting
4:40pm

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 Township Administrative Office Building on February 16, 2022.
- 2) Written notice was delivered to the Burlington County Times and the Courier Post on February 16, 2022.
- 3) Filed written notice with the Clerk of the Township of Riverside on February 16, 2022.

The Regular Meeting of the Riverside Sewerage Authority was held at the Riverside Township Municipal Building.

FLAG SALUTE:

Chairman Horton led the Flag Salute.

ROLL CALL:

Mr. Mingin – present, Mr. Giovanetti – present, Mr. George Conard – present, Mr. Van Meter – present, Mr. Horton – present.

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

RESOLUTION:

None.

APPROVAL OF MINUTES:

~~Motion made by Mr. Van Meter, seconded by Mr. Mingin that the minutes of the Work Session Meeting of July 11, 2022 and the Regular Meeting of July 11, 2022 be approved carried.~~

PUBLIC PORTION – (TECHNICAL):

Chairman Horton opened the Public Portion (Technical).

- 1) Mr. Nick Minner was present on behalf of Theodore Wilkinson of Colliers Engineering and Design. Mr. Minner stated that he is a Licensed Engineer and has experience with Sewerage Authorities as well as Planning Boards. Mr. Minner said that his firm represents the owner of 200 Whitaker Street. The owners would like to build 19 homes that would house 4-bedroom

dwelling. The sewer for these dwellings would be connected to a gravity main lateral. The owner of 200 Whitaker also purchased the property at 101 Henry Street and there will be an easement there for the sewer connection. Treasurer Jack said that the owner has been given preliminary Planning Board approval but they will need to comply with outside contingencies and soil testing. Mr. Minner said that the previous use of the property was a swim club that had a high volume of 10,500 gallons a day. The new flow will be 300 gallons per home which is less than the swim club. Mr. Minner said with the less peak flow amounts, they are hoping that the Riverside Sewerage Authority can accommodate their project. Chairman Horton said that although the swim club had more flow, it was only utilized for three (3) months. Chairman Horton further stated that the plans need to be reviewed by the Riverside Sewerage Authority's Engineer as well as the Plant Superintendent. Engineer Hugh Dougherty stated that there is some confusion as two sets of plans were submitted. One set of plans showed a pumping station for the sewer and the other showed a gravity main lateral. Mr. Minner clarified that a gravity main lateral will be used and he will resubmit the plans and a Cost Estimate. Mr. Conard questioned what size lines will be used? Mr. Minner said that 8" lines will be used. Mr. Conard if there will be 2 manholes? Treasurer Jack said that there will be between 7 and 8 manholes. Mr. Minner agreed with Treasurer Jack's statement. Also, they will be using a stub line for possible development on the Church lot. Chairman Horton questioned the square feet of the dwellings stating that the plans state that the dwellings will be 1500 square feet and the Planning Board plans say that the dwellings will be 2400 square feet. Treasurer Jack said that some of the dwellings will be 1200 square feet and have a second-floor of 1200 square feet. None of the dwellings will be more than 4 bedrooms. Chairman Horton said that conditional approval can be given by the Authority that would be pending off of Engineer Hugh Dougherty and Superintendent Joseph Bader's review of the plans. Engineer Dougherty said that it will take 2-3 weeks to review the plans. Mr. Minner said that he would appreciate that. **Mr. Conard made a motion granting conditional approval to the 19 single family dwellings sanitary sewer system application and permits for 200 Whitaker Street pending approval from the Riverside Sewerage Authority Engineer Hugh Dougherty and Plant Superintendent Joseph Bader, seconded by Mr. Giovanetti carried.**

In seeing no additional persons wishing to speak, motion made by Mr. Giovanetti to close Public Portion (Technical) seconded by Mr. Mingin carried.

OLD BUSINESS:

- 1) New Jersey League of Municipalities Convention
- 2) Uniform Vendor – Authority Secretary Dydek reported that one quote has been received and we are still waiting for 2 additional quotes to be submitted.

NEW BUSINESS:

- 1) (Neighbor) – 506 Taylor Street – Sewer is backing up onto the curb line and the street.
- 2) Electric supply – Contract will end September 2022. – Treasurer Jack reported that the Township is participating in the NJSEM and has stable rates. The Sewerage Authority would need to apply separate from the Township. Chairman Horton questioned if a

contract is needed and what is the term? Treasurer Jack answered in the affirmative, a Resolution would need to be passed and the term of the contract is one year.

- 3) The Authority instructed the Secretary to draft a letter to the New Jersey Department of Environmental Protection requesting that the h2loans process be inactive.

CORRESPONDENCE:

- 1) Elizabeth Follis, Riverside Middle School – Thank you for promotional award.

REPORTS:

PLANT:

Mr. Conard reported that the PLC for the Belt Filter Press and the Hot Water Recirculation Pump for the Boiler that is used to heat the Primary Digester Sludge need to be repaired. Also, Sand Filter #1 has been removed from service for inspection and maintenance.

APPEALS

Mr. Mingin had no report.

REVENUE AND FINANCE:

Mr. Giovanetti had no report.

STREETS:

Mr. Van Meter had no report.

INSPECTIONS:

Mr. Horton had no report.

SUPERINTENDENT'S REPORT:

Superintendent Bader reported that the Belt Filter Press and the Hot Water Recirculation Pump for the Boiler that is used to heat the Primary Digester Sludge needs repair. To treat the sludge in the Primary Digester properly, the sludge needs to be maintained in a certain temperature range. Four Quarters Plumbing and we are waiting on a delivery of a pump. The pump is due in four weeks. A three-phase motor will take another three months for delivery. Longo Electric was contacted to install a single-phase power supply for the new single-phase pump. The PLC for the Belt Filter Pressing needs to be repaired. The PLC is obsolete (22 years old.) **Motion made by Mr. Giovanetti, seconded by Mr. Mingin authorizing the PLC purchase and installation carried.** M&N was onsite to dig up and remove a damaged valve on the Air Scrubber drain line. The Air Scrubber for Building would flood the area and submerge the recirculation pumps. The Air Scrubber is required when the Belt Filter Press is in use per the Air Quality Permit for Building 6. The Drain Line is now operating as designed.

Superintendent Bader requested permission for two laborers to attend Introduction to Water and Wastewater. **Motion made by Mr. Van Meter and Mr. Conard approving Superintendent's request to send to laborers to school carried.**

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – August 8, 2022**

1. The Plant Performance Summary for June, 2022 is attached for review. There was a noncompliance violation during this reporting period with the E-coli Monthly Average. The Monthly Average is 126 ml. [NJDEP Case # 22080811941]. The Residuals [Sludge] Management Summary for June, 2022 is also attached for review. Dewatered sludge [25yds] were removed by the Seaside Waste Services Company for composting at the County facility.

2. The Trouble Log Summary for July, 2022 is attached for review.

One Property was reported to the NJDEP for a lateral vent overflow this reporting period.

1. 57 Park Avenue. [NJDEP Case # 220712171647].

3. There is no Line Maintenance Summary for July, 2022 attached for review.
4. No measurements were taking for the Secondary Digester Cover tilt during this reporting period.

[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.

5. I'm respectfully requesting to send two Plant employees to the Intro to Wastewater Course starting September 20, 2022.
6. M&N was onsite to dig-up and remove a damaged valve on the Air Scrubber drain line. The Air Scrubber for Building would flood the area and submerge the recirculation pumps. The Air Scrubber is required when the Belt Filter Press is in use per the Air Quality Permit for Building 6. The Drain Line is now operating as designed.
7. The PLC for the Belt Filter Pressing is in need of imminent repair. The PLC is obsolete [22 years old] and a new PLC was ordered. The PLC is due August 12, 2022 and will require two days for installation. The estimated cost to purchase the PLC and install is [\$8,000.00].
8. The Hot Water Recirculation Pump for the Boiler used to heat the Primary Digester Sludge is in need of repair. To treat the sludge in the Primary Digester properly, the sludge needs to be maintained in a certain temperature range. Four Quarters Plumbing was contacted. Waiting on delivery of pump. The pump is due in four weeks. A three-phase motor will take another three months for delivery. Longo Electric was contacted to install a single phase power supply for the new single phase pump.
9. Sand Filter # 1 has been removed from service for inspection and maintenance. The NJDEP Case # is 211108074550.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – August 8, 2022**

SUBMITTED BY

A handwritten signature in black ink, appearing to read "Joseph G. Bader", written over a horizontal line.

JOSEPH G. BADER
SUPERINTENDENT

PLANT PERFORMANCE SUMMARY

June-22

| PARAMETER | PERMIT | REPORTED | PARAMETER | PERMIT | REPORTED |
|--------------------------------------|------------|-------------|---|-----------|----------------|
| FLOW, INFLUENT | | | NITRATE (AS N), EFFLUENT 1 / 6 months | | |
| Monthly Avg | Report | 0.786 MGD | Mon Avg Conc | Report | 15.90 MG/L |
| Daily Maximum | Report | 0.965 MGD | Daily Max Conc | Report | 15.90 MG/L |
| FLOW, EFFLUENT | | | E. COLI 2 / month | | |
| Monthly Avg | Report | 0.703 MGD | Monthly Avg | 126/100ML | 762.10 /100ML |
| Daily Maximum | Report | 0.871 MGD | Instant Max | Report | 2420.00 /100ML |
| 5 DAY BOD, INFLUENT | | | FECAL COLIFORM, EFFLUENT Require Reuse Only | | |
| Mon Avg Conc | Report | 253.33 MG/L | Monthly Avg | 200/100ML | 8.00 /100ML |
| Weekly Avg Conc | Report | 305.00 MG/L | Weekly Avg | 400/100ML | 8.00 /100ML |
| 5 DAY BOD, EFFLUENT | | | BIOASSAY, EFFLUENT | | |
| Mon Avg Loading | 98 KG/D | 51.75 KG/D | LC50 96 hr Acute | 50 | #DIV/0! |
| Weekly Avg Load | 147 KG/D | 60.32 KG/D | IC25 7 day Chron | Report | 56.30 % |
| Mon Avg Conc | 30 MG/L | 19.70 MG/L | CHLORINE PRODUCED OXIDANTS, EFFLUENT | | |
| Weekly Avg Conc | 45 MG/L | 21.80 MG/L | Mon Avg Conc | Report | 0.04 MG/L |
| 5 DAY BOD REMOVAL EFFICIENCY | | | Daily Max Conc | Report | 0.04 MG/L |
| Mon Avg Minimu | 88.5 | 92.10 % | TEMPERATURE, INFLUENT | | |
| pH, INFLUENT | | | Minimum | Report | 20.6 DEG C |
| Minimum | Report | 6.95 S.U. | Monthly Avg | Report | 21.6 DEG C |
| Maximum | Report | 7.47 S.U. | Maximum | Report | 22.8 DEG C |
| pH, EFFLUENT | | | TEMPERATURE, EFFLUENT | | |
| Minimum | 6.00 S.U. | 6.40 S.U. | Minimum | Report | 19.8 DEG C |
| Maximum | 9.00 S.U. | 7.11 S.U. | Monthly Avg | Report | 22.2 DEG C |
| TOTAL SUSP SOLIDS, INFLUENT | | | Maximum | Report | 23.3 DEG C |
| Mon Avg Conc | Report | 238.0 MG/L | DISSOLVED OXYGEN, EFFLUENT | | |
| Weekly Avg Conc | Report | 413.0 MG/L | Wkly Avg Conc (N | 4.0 MG/L | 5.64 MG/L |
| TOTAL SUSP SOLIDS, EFFLUENT | | | PHOSPHOROUS, EFFLUENT 1 / month | | |
| Mon Avg Loading | 113 KG/D | 78.78 KG/D | Mon Avg Conc | Report | 7.2 MG/L |
| Weekly Avg Load | 170 KG/D | 102.00 KG/D | Weekly Avg Conc | Report | 7.2 MG/L |
| Mon Avg Conc | 30 MG/L | 29.70 MG/L | COPPER, EFFLUENT Quarterly only | | |
| Weekly Avg Conc | 45 MG/L | 39.00 MG/L | Mon Avg Conc | Report | Code=n MG/L |
| TOTAL SUSP SOLIDS REMOVAL EFFICIENCY | | | Daily Max Conc | Report | Code=n MG/L |
| Mon Avg Minimu | 85 | 87.52 % | ZINC, EFFLUENT Quarterly Only | | |
| OIL&GREASE, EFFLUENT Quarterly | | | Mon Avg Conc | Report | Code=n MG/L |
| Mon Avg Conc | 10 MG/L | Code=N MG/L | Daily Max Conc | Report | Code=n MG/L |
| Daily Max Conc | 15 MG/L | Code=N MG/L | Total Dissolved Sol | Effluent | 1/month |
| AMMONIA NITROGEN (NOV-APR), EFFLUENT | | | Mon Avg Conc | Report | 380.0 MG/L |
| Mon Avg Loading | 75.7 KG/D | 31.24 KG/D | Daily Max Conc | Report | 380.0 MG/L |
| Daily Max Loading | 151.4 KG/D | 34.74 KG/D | | | |
| Mon Avg Conc | 20 MG/L | 12.00 MG/L | | | |
| Daily Max Conc | 40 MG/L | 14.10 MG/L | | | |

| | | | |
|--------------|-------------------------------------|-------|-----------|
| IC25 Chronic | Required | Semi- | Annually |
| LC50 Acute | Required | | Annually |
| Nirate | Required | Semi- | Annually |
| Copper | Required | | Quarterly |
| Zinc | Required | | Quarterly |
| Code = N | Not Required This Monitoring Period | | |

RESIDUALS MANAGEMENT SUMMARY

June-22

| SLUDGE PRODUCED | | | RAW SLUDGE | | |
|------------------------------------|---------|-------|------------------------------------|-------|------|
| Total Gallons | | gal | % Total Solids, minimum | 2.80 | % |
| Average Gallons/Day | 0 | gpd | % Total Solids, average | 3.33 | % |
| Total Dry Tons | 0 | dt | % Total Solids, maximum | 4.20 | % |
| Average Dry Tons/ Day | 0 | dt/d | % Total Volatile Solids, minimum | 72.80 | % |
| Total Metric Tons | 0 | mt | % Total Volatile Solids, average | 74.33 | % |
| Average Metric Tons/Day | 0 | mt/d | % Total Volatile Solids, maximum | 82.70 | % |
| | | | pH minimum | 5.69 | s.u. |
| LIQUID SLUDGE REMOVED | | | pH maximum | 6.58 | s.u. |
| Total Gallons | | gal | sludge sample temperature, min | 19.50 | C |
| Average Gallons/Day | 0 | gpd | sludge sample temperature, avg | 21.75 | C |
| Total Dry Tons | N.R. | dt | sludge sample temperature, max | 23.60 | C |
| Average Dry Tons/ Day | N.R. | dt/d | | | |
| Total Metric Tons | N.R. | mt | PRIMARY DIGESTER SLUDGE | | |
| Average Metric Tons/Day | N.R. | mt/d | % Total Solids, minimum | 2.30 | % |
| % Total Solids, Minimum | N.R. | % | % Total Solids, average | 4.43 | % |
| % Total Solids, Average | N.R. | % | % Total Solids, maximum | 7.20 | % |
| % Total Solids, Maximum | N.R. | % | % Total Volatile Solids, minimum | 80.80 | % |
| pH, Minimum | N.R. | s.u. | % Total Volatile Solids, average | 81.87 | % |
| pH, Maximum | N.R. | s.u. | % Total Volatile Solids, maximum | 83.50 | % |
| | | | pH minimum | 6.62 | s.u. |
| DEWATERED SLUDGE REMOVED | | | pH maximum | 7.02 | s.u. |
| Total Gallons to Belt Press | | gal | sludge sample temperature, min | 20.60 | C |
| Average Gallons/Day | | gpd | sludge sample temperature, avg | 23.88 | C |
| % Total Solids, minimum | 20.00 | % | sludge sample temperature, max | 25.10 | C |
| % Total Solids, average | 20.13 | % | | | |
| % Total Solids, maximum | 20.40 | % | SECONDARY DIGESTER SLUDGE | | |
| % Total Volatile Solids, minimum | 81.50 | % | % Total Solids, minimum | 1.50 | % |
| % Total Volatile Solids, average | 81.90 | % | % Total Solids, average | 3.70 | % |
| % Total Volatile Solids, maximum | 82.70 | % | % Total Solids, maximum | 5.90 | % |
| Total Wet Cubic Yards Removed | 25.00 | cu yd | % Total Volatile Solids, minimum | 76.10 | % |
| Average Wet Cubic yards/day | 0.00 | cy/d | % Total Volatile Solids, average | 76.37 | % |
| Total Dry Tons | 3.979 | dt | % Total Volatile Solids, maximum | 76.80 | % |
| Average Dry Tons/ Day | 0.128 | dt/d | pH minimum | 6.44 | s.u. |
| Total Metric Tons | 3.617 | mt | pH maximum | 6.74 | s.u. |
| Average Metric Tons/Day | 0.117 | mt/d | sludge sample temperature, min | 19.80 | C |
| | | | sludge sample temperature, avg | 21.47 | C |
| OPERATIONS | | | sludge sample temperature, max | 22.40 | C |
| Heat Exchange, Temp In, min | 76.0 | °F | | | |
| Heat Exchange, Temp In, avg | 79.8 | °F | VOLATILE SOLIDS REDUCTION | | |
| Heat Exchange, Temp In, max | 81.0 | °F | Raw to Secondary Digester, minimum | 59.5 | % |
| Heat Exchange, Temp Out, min | 78.0 | °F | Raw to Secondary Digester, average | | % |
| Heat Exchange, Temp Out, avg | 79.3 | °F | Raw to Secondary Digester, maximum | 59.5 | % |
| Heat Exchange, Temp Out, max | 81.0 | °F | | | |
| Detention Time, Primary Digester | #DIV/0! | days | | | |
| Detention Time, Secondary Digester | #DIV/0! | days | | | |

N.R. = None Removed

N.S. = Not Sampled

N.W. = Not Working

R.T.S. = Return To Service

N.I.S. = Not In Service

July 2022 Trouble Log Summary

| Date | Report # | Address | Condition(s) Reported | Condition(s) Found | Disposition |
|-------------|-----------------|-------------------------|------------------------------|---------------------------|-------------------------------|
| 7/4/2022 | 2022-060 | 100 GRANT STREET | Markout request | Main clear | Markout main/lateral/vent |
| 7/5/2022 | 2022-061 | 223 CLEVELAND AVENUE | Backflow into property | Main slow | Flush/vac/root cut sewer main |
| 7/7/2022 | 2022-062 | SECOND STREET | Line inspection | Line Inspection | Flush/vac/root cut sewer main |
| 7/10/2022 | 2022-063 | 223 CLEVELAND AVENUE | Slow/no drainage | Main slow | Flush/vac/root cut sewer main |
| 7/12/2022 | 2022-064 | 57 PARK AVENUE | Vent overflow | Main clear | Notified owner/tenant |
| 7/16/2022 | 2022-065 | 506 TAYLOR STREET | Backflow into property | Main clear | Notified owner/tenant |
| 7/22/2022 | 2022-066 | 506 TAYLOR STREET | Vent overflow | Main clear | Notified owner/tenant |
| 7/26/2022 | 2022-067 | 30 POLK STREET | Vent overflow | Main clear | Notified owner/tenant |
| 7/28/2022 | 2022-068 | 263 HOOKER STREET | Markout request | Main clear | Markout main/lateral/vent |
| 7/28/2022 | 2022-069 | 215 TAYLOR STREET | Vent overflow | Main clear | Notified owner/tenant |
| 7/29/2022 | 2022-070 | 808 SO. FAIRVIEW STREET | Odor complaint | Main clear | Notified owner/tenant |

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

ENGINEER'S REPORT:

Engineer Dougherty reported that he met with Keymar to review the discharge issues. Keymar is developing a sampling plan to ensure compliance. Keymar is using a new DAF System, there are looking to expand and add a breakroom/bathroom. A meeting needs to be set up with NJDEP to discuss Industrial Permit Criteria.

The Engineer's Report was distributed. There were no questions or concerns presented.

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

MONTHLY FINANCIAL REPORT:

Treasurer Jack reported that the GASB was received and the Audit is being completed. Adoption of the Audit will be on the Agenda of September 12, 2022.

Motion made by Mr. Conard, seconded by Mr. Van Meter to accept the Monthly Financial Report, carried.

BILLS AND EXPENDITURES:

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

PUBLIC PORTION (INFORMATIONAL):

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

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

Susan M. Dydek, RMC
Authority Secretary