

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 authorizing the 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, and upon on their approval, authorization for the Chairman to execute the Treatment Works Approval Permit Application (TWA) 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:

- (Neighbor) – 506 Taylor Street – Sewer is backing up onto the curb line and the street.
- 1) 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.

- 2) 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.

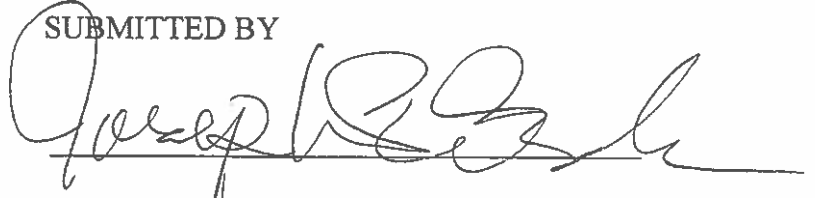
One Property was reported to the NJDEP for a lateral vent overflow this reporting period.

 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	^o F			
Heat Exchange, Temp In, avg	79.8	^o F	VOLATILE SOLIDS REDUCTION		
Heat Exchange, Temp In, max	81.0	^o F	Raw to Secondary Digester, minimum	59.5	%
Heat Exchange, Temp Out, min	78.0	^o F	Raw to Secondary Digester, average		%
Heat Exchange, Temp Out, avg	79.3	^o F	Raw to Secondary Digester, maximum	59.5	%
Heat Exchange, Temp Out, max	81.0	^o 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.

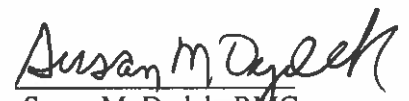
BILLS AND EXPENDITURES:

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