

Monday Afternoon
Riverside, NJ
August 9, 2021
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 Riverside Township Administrative Office Building on March 2, 2021 and June 8, 2021.
2. Written notice was delivered to the Burlington County Times and the Courier Post on March 2, 2021 and June 8, 2021.
3. Filed written notice with the Clerk of the Township of Riverside on March 2, 2021 and June 8, 2021.

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 and Superintendent Joseph Bader.

RESOLUTION:

Mr. Conard made a motion to table Resolution 2021 - #23 entitled, "Riverside Sewerage Authority Certification of the Annual Audit" seconded by Mr. Giovanetti. Upon roll call the vote was as follows: Ayes – Messrs. Mingin, Giovanetti, Van Meter, Conard and Horton. Nays – None. Abstain None. Motion tabled.

Mr. Conard made a motion to adopt Resolution 2021 - #24 entitled, "A Resolution of the Riverside Sewerage Authority Adopting the 2021 Personnel Policies and Procedure Manual" seconded by Mr. Giovanetti. Upon roll call the vote was as follows: Ayes – Messrs. Mingin, Giovanetti, Van Meter, Conard and Horton. Nays – None. Abstain – None. Motion carried.

APPROVAL OF MINUTES:

Motion made by Mr. Van Meter, seconded by Mr. Mingin that the minutes of the Work Session Meeting of July 12, 2021 and the Regular Meeting of July 12, 2021 be approved as written carried.

PUBLIC PORTION – (TECHNICAL):

11 Polk Street – This was discussed at the Regular Meeting held on July 12, 2021. Superintendent Bader reviewed the plans and approved them. Motion made by Mr. Van Meter authorizing the sewer connection at 11 Polk Street seconded by Mr. Mingin carried.

In seeing no members of the Public present, motion made by Mr. Conard to close Public Portion (Technical) seconded by Mr. Giovanetti carried.

OLD BUSINESS:

- 1) NJLM 106th Annual Conference – November 16th -18th, 2021.

NEW BUSINESS:

- 1) Narcie Haran – 725 Filmore Street – Possible vent overflowing.

CORRESPONDENCE:

- 1) Brent E. Lee & CO., LLC, - Audited Financial Statements.

REPORTS:

PLANT:

Mr. Conard reported that work is currently being done on the digester.

APPEALS

Mr. Mingin reported that there were no appeals filed.

REVENUE AND FINANCE:

Mr. Giovanetti had no report.

STREETS:

Mr. Van Meter reported that 980 feet of line maintenance was performed.

INSPECTIONS:

Mr. Horton had no report.

SUPERINTENDENT'S REPORT:

Superintendent Bader reported that the Mixer Pump for the Primary Digester was returned to service after Shaft and Sleeves completed the installation. The suction line to the pump is now clear and the Scum Mat nozzle is clear. The two main mixing nozzles are clogged. Every effort to dislodge the clog while the digester is full wasn't successful. Without proper mixing, the digester will not operate as designed. The digester level will need to be lowered to remove pipe elbow to attempt to unclog the nozzles. The digester sludge will be processed through the Belt Filter Press in order to low the level enough to remove the elbow. This will require the press to be in operation outside of normal operating hours which may necessitate overtime.

On July 12, 2021, due to flooding conditions caused by heavy rain, the secondary clarifying equipment was underwater and therefore, waste water was not being appropriately treated. Regional Water Enforcement Officer Dave Stewart was contacted. The NJDEP case number is 210712220247.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – August 9, 2021**

1. The Plant Performance Summary for June, 2021 is attached for review. There were no violations during this reporting period. The Residuals [Sludge] Management Summary for June, 2021 is also attached for review. Dewatered sludge [100 yds] were removed by the Woolston Company for composting at the County facility.
2. The Trouble Log Summary for July, 2021 is attached for review.

No Properties were reported to the NJDEP for a lateral vent overflow this reporting period.
3. The Line Maintenance Summary for July, 2021 is 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. July 12, 2021 due to flooding conditions caused by heavy rain, the secondary clarifying equipment was underwater and therefore waste water was not being appropriately treated. Regional Water Enforcement Officer [Dave Stewart] was contacted. [NJDEP case # 210712220247]. [Pics attached for review].
6. The Mixer Pump for the Primary Digester was returned to service after Shaft and Sleeves completed the installation. The suction line to the pump is now clear and the Scum Mat nozzle is clear. The two main mixing nozzles are clogged. Every effort to dislodge the clog while the digester is full wasn't successful. Without proper mixing, the digester will not operate as designed. The digester level will need to be lowered to remove pipe elbow to attempt to unclog the nozzles. The digester sludge will be processed through the Belt Filter Press in ordered to low the level enough to remove the elbow. This will require the press to be in operation outside of normal operating hours which may necessitate overtime. It's my opinion this is the most cost-effective option at this time. The NJDEP case number is 210412130218.
7. Willier was contacted to investigate a Water Seal Leak alarm issue with Submersible Pump #1 at the Metal Works Pump Station. The pump was removed and there is no information on the inspecting at this time.
8. The Sand Filter # 3 remains out of service for inspection and maintenance. The NJDEP Case # is 200427184535.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING - August 9, 2021**

SUBMITTED BY



JOSEPH G. BADER
SUPERINTENDENT

PLANT PERFORMANCE SUMMARY

June-21

PARAMETER	PERMIT	REPORTED	PARAMETER	PERMIT	REPORTED
FLOW, INFLUENT			NITRATE (AS N), EFFLUENT 1 / 6 months		
Monthly Avg	Report	0.756 MGD	Mon Avg Conc	Report	Code=n MG/L
Daily Maximum	Report	0.909 MGD	Daily Max Conc	Report	Code=n MG/L
FLOW, EFFLUENT			E. COLI 2 / month		
Monthly Avg	Report	0.700 MGD	Monthly Avg	Report	20.13 /100ML
Daily Maximum	Report	0.786 MGD	Instant Max	Report	136.00 /100ML
5 DAY BOD, INFLUENT			FECAL COLIFORM, EFFLUENT Require Reuse Only		
Mon Avg Conc	Report	176.67 MG/L	Monthly Avg	200/100ML	2419.00 /100ML
Weekly Avg Conc	Report	201.00 MG/L	Weekly Avg	400/100ML	2419.00 /100ML
5 DAY BOD, EFFLUENT			BIOASSAY, EFFLUENT		
Mon Avg Loading	98 KG/D	26.10 KG/D	LC50 96 hr Acute	50	Code=n %
Weekly Avg Loading	147 KG/D	34.08 KG/D	IC25 7 day Chronic	Report	22.80 %
Mon Avg Conc	30 MG/L	10.43 MG/L	CHLORINE PRODUCED OXIDANTS, EFFLUENT		
Weekly Avg Conc	45 MG/L	13.40 MG/L	Mon Avg Conc	Report	0.01 MG/L
5 DAY BOD REMOVAL EFFICIENCY			Daily Max Conc	Report	0.01 MG/L
Mon Avg Minimum	88.5	94.09 %	TEMPERATURE, INFLUENT		
pH, INFLUENT			Minimum	Report	19.2 DEG C
Minimum	Report	6.86 S.U.	Monthly Avg	Report	21.6 DEG C
Maximum	Report	7.42 S.U.	Maximum	Report	23.1 DEG C
pH, EFFLUENT			TEMPERATURE, EFFLUENT		
Minimum	6.00 S.U.	6.05 S.U.	Minimum	Report	19.8 DEG C
Maximum	9.00 S.U.	7.04 S.U.	Monthly Avg	Report	22.5 DEG C
TOTAL SUSP SOLIDS, INFLUENT			Maximum	Report	24.5 DEG C
Mon Avg Conc	Report	149.7 MG/L	DISSOLVED OXYGEN, EFFLUENT		
Weekly Avg Conc	Report	216.0 MG/L	Wkly Avg Conc [Min]	4.0 MG/L	6.01 MG/L
TOTAL SUSP SOLIDS, EFFLUENT			PHOSPHOROUS, EFFLUENT 1 / month		
Mon Avg Loading	113 KG/D	41.61 KG/D	Mon Avg Conc	Report	5 MG/L
Weekly Avg Loading	170 KG/D	55.79 KG/D	Weekly Avg Conc	Report	5 MG/L
Mon Avg Conc	30 MG/L	15.67 MG/L	COPPER, EFFLUENT Quarterly only		
Weekly Avg Conc	45 MG/L	20.00 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 Minimum	85	89.53 %	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 Solids Effluent 1/month		
AMMONIA NITROGEN (NOV-APR), EFFLUENT			Mon Avg Conc	Report	429.0 MG/L
Mon Avg Loading	75.7 KG/D	16.13 KG/D	Daily Max Conc	Report	429.0 MG/L
Daily Max Loading	151.4 KG/D	22.38 KG/D			
Mon Avg Conc	20 MG/L	6.10 MG/L			
Daily Max Conc	40 MG/L	8.80 MG/L			

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

RESIDUALS MANAGEMENT SUMMARY

June-21

SLUDGE PRODUCED			RAW SLUDGE		
Total Gallons		gal	% Total Solids, minimum	2.4	%
Average Gallons/Day	0	gpd	% Total Solids, average	2.8	%
Total Dry Tons	0	dt	% Total Solids, maximum	3.2	%
Average Dry Tons/Day	0	dt/d	% Total Volatile Solids, minimum	78.8	%
Total Metric Tons	0	mt	% Total Volatile Solids, average	80.83	%
Average Metric Tons/Day	0	mt/d	% Total Volatile Solids, maximum	83.3	%
			pH minimum	5.06	s.u.
			pH maximum	7.32	s.u.
LIQUID SLUDGE REMOVED					
Total Gallons		gal	sludge sample temperature, min	19.2	C
Average Gallons/Day	0	gpd	sludge sample temperature, avg	21.7	C
Total Dry Tons	N.R.	dt	sludge sample temperature, max	23.4	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	2.1	%
% Total Solids, Minimum	N.R.	%	% Total Solids, average	2.55	%
% Total Solids, Average	N.R.	%	% Total Solids, maximum	3	%
% Total Solids, Maximum	N.R.	%	% Total Volatile Solids, minimum	78	%
pH, Minimum	N.R.	s.u.	% Total Volatile Solids, average	79.3	%
pH, Maximum	N.R.	s.u.	% Total Volatile Solids, maximum	80.6	%
			pH minimum	0	s.u.
			pH maximum	0	s.u.
DEWATERED SLUDGE REMOVED					
Total Gallons to Belt Press		gal	sludge sample temperature, min	0	C
Average Gallons/Day		gpd	sludge sample temperature, avg	#DIV/0!	C
% Total Solids, minimum	20.8	%	sludge sample temperature, max	0	C
% Total Solids, average	21.3	%			
% Total Solids, maximum	21.8	%	SECONDARY DIGESTER SLUDGE		
% Total Volatile Solids, minimum	82.00	%	% Total Solids, minimum	0	%
% Total Volatile Solids, average	84.25	%	% Total Solids, average	#DIV/0!	%
% Total Volatile Solids, maximum	86.50	%	% Total Solids, maximum	0	%
Total Wet Cubic Yards Removed	100	cu yd	% Total Volatile Solids, minimum	0	%
Average Wet Cubic Yards/day	3.33	cy/d	% Total Volatile Solids, average	#DIV/0!	%
Total Dry Tons		dt	% Total Volatile Solids, maximum	0	%
Average Dry Tons/Day		dt/d	pH minimum	5.72	s.u.
Total Metric Tons		mt	pH maximum	5.72	s.u.
Average Metric Tons/Day		mt/d	sludge sample temperature, min	25.5	C
			sludge sample temperature, avg	25.5	C
			sludge sample temperature, max	25.5	C
OPERATIONS					
Heat Exchange, Temp In, min	86.0	°F			
Heat Exchange, Temp In, avg	97.0	°F	VOLATILE SOLIDS REDUCTION		
Heat Exchange, Temp In, max	110.0	°F	Raw to Secondary Digester, minimum	59.5	%
Heat Exchange, Temp Out, min	78.0	°F	Raw to Secondary Digester, average	#DIV/0!	%
Heat Exchange, Temp Out, avg	93.1	°F	Raw to Secondary Digester, maximum	59.5	%
Heat Exchange, Temp Out, max	110.0	°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

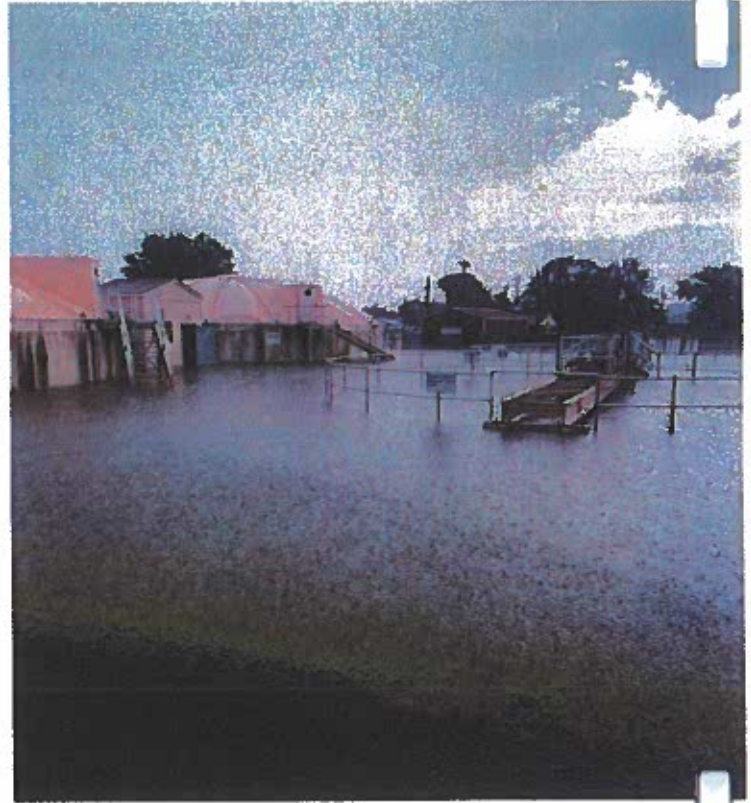
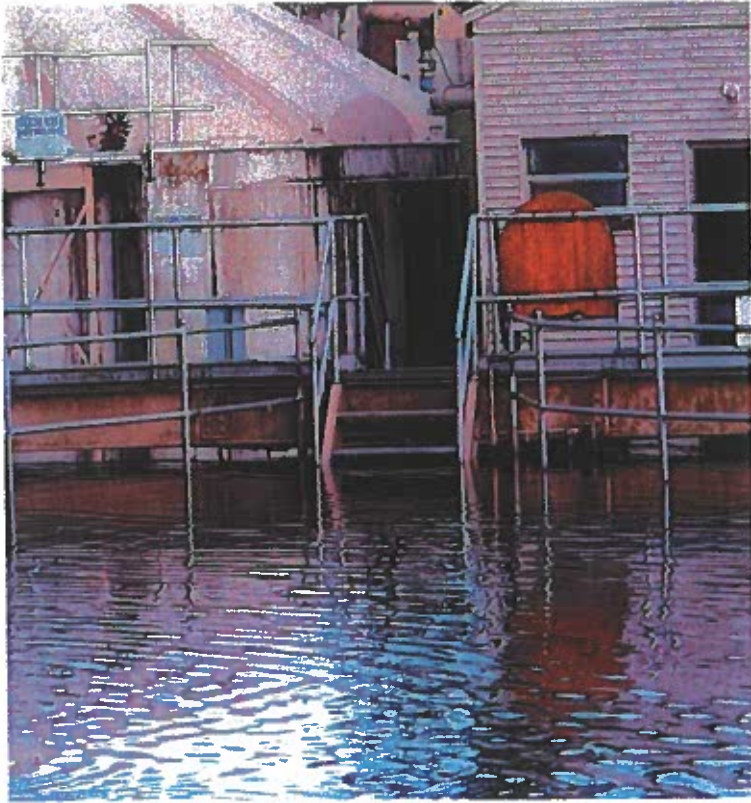
July 2021 Trouble Log Summary

Date	Report #	Address	Condition(s) Reported	Condition(s) Found	Disposition
7/8/2021	2021-068	6 SCOTT STREET	Vent overflow	Main clear	Notified owner/tenant
7/10/2021	2021-069	233 CLEVELAND AVENUE	Backflow into property	Main slow	Flush/vac/root cut sewer main
7/15/2021	2021-070	119 POLK STREET	Backflow into property	Main clear	Notified owner/tenant
7/23/2021	2021-071	725 FILMORE STREET	Vent overflow	Main clear	Notified owner/tenant
7/27/2021	2021-072	312 CLEVELAND AVENUE	Vent overflow	Main clear	Notified owner/tenant

July 2021 Line Maintenance Summary

Date	Report #	Location	Section	Diameter	Distance	Remarks
7/15/2021	2021-0061	Dauphin St.	154-155	8"	245	FOUND ROOTS.
7/15/2021	2021-0062	Dauphin St.	153-154	8"	245	
7/15/2021	2021-0063	Dauphin St.	152-153	8"	245	50 FT. FOUND OFF SET JOINT. COULDN'T GET PA
7/15/2021	2021-0064	Dauphin St.	152-153	8"	245	TV 133 FT. FOUND ROOTS.

July 12 2021
NJDEP CASE # 21071220247



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

ENGINEER'S REPORT:

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

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

MONTHLY FINANCIAL REPORT:

Treasurer Jack had no report.

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

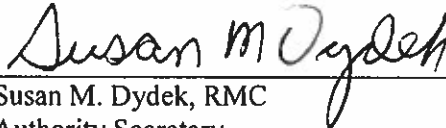
BILLS AND EXPENDITURES:

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 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. Van Meter and Mr. Conard that the meeting be adjourned, and so declared by Chairman Horton.


Susan M. Dydek, RMC
Authority Secretary

