

Monday Afternoon
 Riverside, NJ
 September 9, 2019
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 13, 2019.
2. Written notice was delivered to the Burlington County Times and the Courier Post on February 13, 2019.
3. Filed written notice with the Clerk of the Township of Riverside on February 13, 2019.

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 – present.

Also present: Assistant Authority Secretary/Treasurer Meghan Jack. Authority Secretary Susan M. Dydek and Plant Superintendent Joseph Bader were not in attendance.

RESOLUTION:

None.

APPROVAL OF MINUTES:

Motion made by Mr. Horton and Mr. Van Meter that the minutes of the Work Session Meeting of August 12, 2019 and the Regular Meeting of August 12, 2019 be approved as written carried.

PUBLIC PORTION – (TECHNICAL):

- 1) Jefferis Engineering Associates, LLC – 220 South Pavilion Avenue – Mr. Teal Jefferis, the President of Jefferis Engineering Associates, LLC and a Design Engineer addressed the Authority. Mr. Jefferis spoke concerning the property at 220 South Pavilion Avenue regarding converting the building to apartments on the first and second floor with a coffee shop also located on the first floor. There will be 9 apartments in total, 6 two-bedroom apartments and 3 one-bedroom apartments. Mr. Jefferis explained that the coffee shop will be approximately 673 square feet and will have approximately 20 seats. An application was submitted to the Joint Land Use Board and the Joint Land Use Board requested that they come before the Riverside Sewerage Authority for any comments or concerns. Mr. Horton questioned if the building was currently connected to the

sewerage system? Mr. Jefferis answered in the affirmative but stated that currently, there is no flow and explained that the building is vacant and has been unoccupied for a time period. Mr. Jefferis clarified that they are not proposing a new surface connection. Mr. Horton questioned what type of piping is currently used for the sewerage collection? It was stated that the existing piping is cast iron. Mr. Jefferis said that he would anticipate that with the replumbing of the building, the piping would be PVC. Mr. Conard asked if they were going to run PVC out to the main since this is an old piping system and it may save them money in the future. Mr. Jefferis stated that this may be considered. The Authority recommended that the sewerage collection system be replaced as the current piping was installed in the 1900s and with the coffee shop and 9 apartments, there will be much usage. Mr. Conard questioned if any food would be fried as this would warrant a grease trap. Mr. Jefferis answered in the negative. Mr. Conard questioned what size pipe currently extends from the building? Mr. Jefferis answered that the piping is a 4" pipe and the calculated use is approximately 300 gallons a day will be used for the coffee shop and 1950 gallons a day total for the apartments. These calculations are based off of the DEP guidelines. Mr. Conard stated that the property owner should consider upgrading the piping system to a 6" pipe for collection. Mr. Jefferis requested that a memo be drafted by the Riverside Sewerage Authority with the two comments so that this may be given to the Joint Land Use Board. Mr. Jefferis questioned if he would have to appear before the board again with a revised plan? Assistant Secretary Jack requested that a revised plan be emailed to her and it would be distributed to the Authority Members and at that time, it would be determined if Mr. Jefferis would need to reappear before the Authority.

OLD BUSINESS:

- 1) SJM Riverside (Taubel Mills) – The TWA Permit is currently being worked on.
- 2) CWA Local 1036 negotiations – Mr. Haman reported that the salary increases would be 3.5%, 3.5 %, 3%, 3%, and 3%. The Stand-By rates will increase from \$10.50 to \$11.50 and the Weekend rates will increase from \$12.50 to \$13.50. These increases will occur beginning 2020. The C4 and S4 License requirements will be re-evaluated if needed. The eye glass reimbursement will be given up to \$100.00. Should the Federal Government proceed with the Cadillac Tax, the employee will be responsible for this tax. **Motion made by Mr. Horton to accept the aforementioned contract terms seconded by Mr. Mingin carried.**
- 3) Street Openings at 617 Butler Street and Lincoln and Polk Streets – **Motion made by Messrs. Van Meter and Conard that using stone as a temporary patch is unacceptable/prohibited with regard to work done to a lateral.**

NEW BUSINESS:

- 1) Mary Fran Nelson – 418 Delaware – Sewer back-up. (Received call August 26, 2019)
- 2) Kyle Bain – 708 S. Fairview Street – Sewer back-up. (Received call August 12, 2019)
- 3) Marilyn Gilbert – 620 W. Washington Street – Banging noise when bath tub drains. (Received call September 4, 2019)

ACTION:

None.

CORRESPONDENCE:

1) None.

REPORTS:**PLANT:**

Mr. Conard reported that the NJDEP Quality Assurance accepted the majority of the Riverside Sewerage Authority's corrections to the on-site evaluation.

APPEALS:

Mr. Mingin had no report.

REVENUE AND FINANCE:

Mr. Haman reported that the CWA Contract was discussed in the "Old Business" portion.

STREETS:

Mr. Van Meter reported on the Authority just voted on prohibiting the use of stone as a temporary patch.

INSPECTIONS:

Mr. Horton had no report.

SUPERINTENDENT'S REPORT:

Superintendent Bader was not in attendance. Superintendent Bader's report was distributed. No questions or concerns were presented.

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

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 submitted.

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

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

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – September 9, 2019**

1. The Plant Performance Summary for July, 2019 is attached for review. There were no violations of the Discharge Permit during this reporting period. The Residuals [Sludge] Management Summary for July, 2019 is also attached for review. Dewatered sludge [0 yds] was removed by the Woolston Company for composting at the County facility.

2. The Trouble Log Summary for July, 2019 is attached for review.

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

- 1) 527 Kossuth Street. The NJDEP case # is 190806143509.
- 2) 314 Bem Street. The NJDEP case # is 190812193946.
- 3) 23 Scott Street. The NJDEP case # is 190817113948.

3. The Line Maintenance Summary for July, 2019 attached for review.

4. Measurements taking on September 5, 2019 for the Secondary Digester are North 16", South 22 1/2", East 17", and West 21". There is a 5" tilt to the digester cover currently.

[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. Three damaged Manholes were replaced during this reporting period.

- 1) MH 114 Bridgeboro Street.
- 2) MH 115 Bridgeboro Street.
- 3) MH 308 Chester Avenue.

6. Environmental Resolutions, Inc. (ERI) was notified of the Authority's request for ERI's Professional Service's on the Roof Repairs to Building #1. The Bid specs have not been completed as of the writing of this report.

7. Repairs to the Sludge Collection/Scrapper Arm for Clarifloculator #1 have been completed. The Sludge Collection/Scrapper Arm is now operating as designed. The returned to service NJDEP case # is 19-08-29-0906-15.

8. Routine maintenance was performed on Primary Clarifier #1. The out of service NJDEP case # is 19-08-26-1330-07 and the returned to service NJDEP case # is 19-08-28-1113-42.

9. The expected deliver period for the TV Inspection Van from Timberman is the end of September.

10. Repairs are required to the Air Lifts in Sand Filter #3. The out of service NJDEP case # is 190809093646. Rebuilt Air Lifts are required.

11. Repairs are required to the submersible pump for the Underdrain Pump Station. An out of service NJDEP case # is not required. Willier Electric was contacted to remove and rebuild the 15 hp pump.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – September 9, 2019**

12. As of March 2019 Verizon no longer are required to maintain their copper phone wire system. I'm requesting the copper phone lines for the Pump Stations Trouble Alerting System be disconnected and a Fixed Wireless Terminal LTE Cellular Telephone Communication System be installed. The estimated cost to integrate the current Trouble Alerting System to LTE is [\$1,300.00 to \$1,600.00] per station.
13. The NJDEP Office of Quality Assurance have accepted the majority of RSA's corrections to the on-site evaluation. The remaining corrections will be correct before the next reporting period.
14. Pump 2 for Pump Station #1 has been returned from Willier Electric. The pump required rebuilding.
15. There were BOD5 & TSS effluent violations in January 2018. RSA believed these violations to be Lab errors with Eurofin Labs and reported these violations as such on the January's DMR's. The RSA Affirmative Defense for the violations may not be approved, which may result in a NJDEP fine. **[No further information was received during this reporting period].**

SUBMITTED BY



JOSEPH G. BADER
SUPERINTENDENT

PLANT PERFORMANCE SUMMARY

July 2019

PARAMETER	PERMIT	REPORTED	PARAMETER	PERMIT	REPORTED
FLOW, INFLUENT			NITRATE (AS N), EFFLUENT		1/6months
Monthly Avg	Report	1.05 MGD	Mon Avg Conc	Report	0.00 MG/L
Daily Maximum	Report	1.20 MGD	Daily Max Conc	Report	0.00 MG/L
FLOW, EFFLUENT			E. COLI		
Monthly Avg	Report	1.06 MGD	Monthly Avg	126/100ML	70.00 /100ML
Daily Maximum	Report	1.17 MGD	Max Weekly Avg	Report	70.00 /100ML
5 DAY BOD, INFLUENT			FECAL COLIFORM, EFFLUENT		
Mon Avg Conc	Report	151.3 MG/L	Monthly Avg	Report	#NUM! /100ML
Weekly Avg Conc	Report	165.0 MG/L	Max Weekly Avg	Report	0.00 /100ML
5 DAY BOD, EFFLUENT			BIOASSAY, EFFLUENT		1/6months
Mon Avg Loading	98 KG/D	16.5 KG/D	LC50 96 hr Acute	50%	Code=N %
Weekly Avg Loading	147 KG/D	19.3 KG/D	IC25 7 day Chronic	Report	Code=N %
Mon Avg Conc	30 MG/L	4.1 MG/L	CHLORINE PRODUCED OXIDANTS, EFFLUENT		
Weekly Avg Conc	45 MG/L	4.9 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 Minimum	88.5%	97.3 %	TEMPERATURE, INFLUENT		
pH, INFLUENT			Minimum	Report	19.30 DEG C
Minimum	Report	6.77 S.U.	Monthly Avg	Report	23.06 DEG C
Maximum	Report	7.77 S.U.	Maximum	Report	25.20 DEG C
pH, EFFLUENT			TEMPERATURE, EFFLUENT		
Minimum	6.00 S.U.	6.31 S.U.	Minimum	Report	21.90 DEG C
Maximum	9.00 S.U.	7.13 S.U.	Monthly Avg	Report	24.14 DEG C
TOTAL SUSP SOLIDS, INFLUENT			Maximum	Report	26.30 DEG C
Mon Avg Conc	Report	148.00 MG/L	DISSOLVED OXYGEN, EFFLUENT		
Weekly Avg Conc	Report	150.00 MG/L	Wkly Avg Conc [Min]	4.0 MG/L	6.20 MG/L
TOTAL SUSP SOLIDS, EFFLUENT			PHOSPHOROUS, EFFLUENT		
Mon Avg Loading	113 KG/D	31.94 KG/D	Mon Avg Conc	Report	4.0000 MG/L
Weekly Avg Loading	170 KG/D	55.53 KG/D	Weekly Avg Conc	Report	4.0000 MG/L
Mon Avg Conc	30 MG/L	10.67 MG/L	COPPER, EFFLUENT		quarterly
Weekly Avg Conc	45 MG/L	14.00 MG/L	Mon Avg Conc	Report	0.0062 MG/L
TOTAL SUSP SOLIDS REMOVAL EF			Daily Max Conc	Report	0.0062 MG/L
Mon Avg Minimum	85.0%	92.8 %	ZINC, EFFLUENT		quarterly
OIL&GREASE, EFFLUENT		Quarterly	Mon Avg Conc	Report	0.0030 MG/L
Mon Avg Conc	10 MG/L	Code=N MG/L	Daily Max Conc	Report	0.0030 MG/L
Daily Max Conc	15 MG/L	Code=N MG/L	Total Dissolved Solids	Effluent	1/month
AMMONIA NITROGEN (MAY-OCT), EFFLUENT			Mon Avg Conc	Report	371.00 MG/L
Mon Avg Loading	18.8 KG/D	0.30 KG/D	Daily Max Conc	Report	371.00 MG/L
Daily Max Loading	37.9 KG/D	0.42 KG/D			
Mon Avg Conc	5 MG/L	0.10 MG/L			
Daily Max Conc	10 MG/L	0.10 MG/L			

IC25 Chronic	Required	Semi- Annually
LC50 Acute	Required	Annually
Nirate	Required	Semi- Annually
Copper	Required	Quarterly
Zinc	Required	Quarterly
#DIV/O	Not Required This Monitoring Period	
Code = N	Not Required This Monitoring Period	

RESIDUALS MANAGEMENT SUMMARY

July 2019

SLUDGE PRODUCED		RAW SLUDGE	
Total Gallons	##### gal	% Total Solids, minimum	2.2 %
Average Gallons/Day	-512,900 gpd	% Total Solids, average	2.7 %
Total Dry Tons	dt	% Total Solids, maximum	3.1 %
Average Dry Tons/ Day	0.00 dt/d	% Total Volatile Solids, minimum	0.8 %
Total Metric Tons	0.0 mt	% Total Volatile Solids, average	53.3 %
Average Metric Tons/Day	0.00 mt/d	% Total Volatile Solids, maximum	81.8 %
LIQUID SLUDGE REMOVED		pH minimum	4.95 s.u.
		pH maximum	5.90 s.u.
Total Gallons	0 gal	sludge sample temperature, min	20.5 C
Average Gallons/Day	0 gpd	sludge sample temperature, avg	24.0 C
Total Dry Tons	N.R. dt	sludge sample temperature, max	26.0 C
Average Dry Tons/ Day	N.R. dt/d	PRIMARY DIGESTER SLUDGE	
Total Metric Tons	N.R. mt		
Average Metric Tons/Day	N.R. mt/d	% Total Solids, minimum	0.8 %
% Total Solids, Minimum	N.R. %	% Total Solids, average	1.7 %
% Total Solids, Average	N.R. %	% Total Solids, maximum	2.6 %
% Total Solids, Maximum	N.R. %	% Total Volatile Solids, minimum	0.6 %
pH, Minimum	N.R. s.u.	% Total Volatile Solids, average	36.8 %
pH, Maximum	N.R. s.u.	% Total Volatile Solids, maximum	73.1 %
DEWATERED SLUDGE REMOVED		pH minimum	4.95 s.u.
		pH maximum	5.90 s.u.
Total Gallons to Belt Press	##### gal	sludge sample temperature, min	20.5 C
Average Gallons/Day	-512,900 gpd	sludge sample temperature, avg	24.0 C
% Total Solids, minimum	18.1 %	sludge sample temperature, max	26.0 C
% Total Solids, average	18.6 %	SECONDARY DIGESTER SLUDGE	
% Total Solids, maximum	19.0 %		
% Total Volatile Solids, minimum	73.5 %	% Total Solids, minimum	0.7 %
% Total Volatile Solids, average	73.6 %	% Total Solids, average	0.7 %
% Total Volatile Solids, maximum	73.7 %	% Total Solids, maximum	0.7 %
Total Wet Cubic Yards	0 cu yd	% Total Volatile Solids, minimum	71.4 %
Average Wet Cubic Yards /day	0.00 cy/d	% Total Volatile Solids, average	71.4 %
Total Dry Tons	dt	% Total Volatile Solids, maximum	71.4 %
Average Dry Tons/ Day	0.00 dt/d	pH minimum	6.64 s.u.
Total Dry Metric Tons	0.0 mt	pH maximum	6.98 s.u.
Average Dry Metric Tons/day	0.00 mt/d	sludge sample temperature, min	26.1 C
OPERATIONS		sludge sample temperature, avg	32.4 C
		sludge sample temperature, max	37.3 C
		VOLATILE SOLIDS REDUCTION	
Heat Exchange, Temp In, min	98.00 F	Raw to Secondary Digester, average	0.0 %
Heat Exchange, Temp In, avg	100.65 F	Raw to Secondary Digester, maximum	100.0 %
Heat Exchange, Temp In, max	105.00 F		
Heat Exchange, Temp Out, min	98.00 F		
Heat Exchange, Temp Out, avg	100.52 F		
Heat Exchange, Temp Out, max	105.00 F		
Detention Time, Primary Digester	-0.23 days		
Detention Time, Secondary Digester	-0.19 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

August 2019 Trouble Log Summary

Date	Report #	Address	Condition(s) Reported	Condition(s) Found	Disposition
8/6/2019	2019-087	203 N. FAIRVIEW STREET	Markout request	Main clear	Markout main/lateral/vent
8/6/2019	2019-088	105 DELAWARE STREET	Markout request	Main clear	Markout main/lateral/vent
8/6/2019	2019-089	615 RANCOCAS AVE	Markout request	Main clear	Markout main/lateral/vent
8/6/2019	2019-090	527 KOSSUTH STREET	Vent overflow	Main clear	Notified owner/tenant
8/7/2019	2019-091	527 KOSSUTH STREET	Vent overflow	Main clear	Notified owner/tenant
8/7/2019	2019-092	314 BEM STREET	Vent overflow	Main slow	Flush/vac/root cut sewer main
8/7/2019	2019-093	315 BEM STREET	Vent overflow	Main slow	Flush/vac/root cut sewer main
8/9/2019	2019-094	414 KOSSUTH STREET	Markout request	Main clear	Markout main/lateral/vent
8/10/2019	2019-096	735 RANCOCAS PLACE	MH frame/cover damaged/missing	MH frame/cover damaged	Notified owner/tenant
8/12/2019	2019-095	708 S. FAIRVIEW ST.	Backflow into property	Main clear	Notified owner/tenant
8/12/2019	2019-097	REENWOOD AVE & CHESTER AV	Line Maintenance	Main slow	Flush/vac/root cut sewer main
8/12/2019	2019-098	314 BEM STREET	Vent overflow	Main clear	Notified owner/tenant
8/17/2019	2019-099	23 SCOTT STREET	Vent overflow	Main clear	Notified owner/tenant
8/26/2019	2019-100	20 GRANT STREET	Backflow into property	Main clear	Notified owner/tenant
8/26/2019	2019-101	422 HARRISON STREET	Markout request	Main clear	Markout main/lateral/vent
8/26/2019	2019-102	418 DELAWARE AVE.	Backflow into property	Main clear	Notified owner/tenant

August 2019 Line Maintenance Summary

Date	Report #	Location	Section	Diameter	Distance	Remarks
8/12/2019	2019-0019	Chester Ave. South	267-266	10"	267	FOUND GRIT & GREASE.
8/12/2019	2019-0020	Kossuth St.	111-448	8"	234	FOUND GRIT & GREASE.

MONTHLY FINANCIAL REPORT:

Treasurer Jack reported on the upcoming budget meetings and will have the Auditor present at the future meetings. Chairman Haman requested that the Auditor begin to prepare the new sewer rates. It was also stated that the Superintendent and Assistant Superintendent review the upcoming projects. The Authority Members stated that after the Treasurer meets with the Superintendent and the Assistant Superintendent, a meeting should be held with the Engineer to discuss slip lining.

BILLS AND EXPENDITURES:

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

PUBLIC PORTION (INFORMATIONAL)

In seeing no members of the public present, 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. Horton and Mr. Van Meter that the meeting be adjourned, and so declared by Chairman Haman.



Meghan Jack
Assistant Authority Secretary

MJ/SMD