

Monday Afternoon
Riverside, NJ
August 12, 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: Authority Secretary Susan M. Dydek and Plant Superintendent Joseph Bader. Treasurer Jack was not in attendance.

RESOLUTION:

Mr. Van Meter made a motion to adopt Resolution 2019 - #23 entitled, “A Resolution of the Riverside Sewerage Authority Authorizing and Establishing the Professional Services Budget for Various Projects” seconded by Mr. Mingin carried.

APPROVAL OF MINUTES:

Motion made by Mr. Conard and Mr. Van Meter that the minutes of the Work Session Meeting of July 8, 2019 and the Regular Meeting of July 8, 2019 be approved as written carried.

PUBLIC PORTION – (TECHNICAL):

- 1) Jefferis Engineering Associates, LLC – 220 South Pavilion Avenue – Plans were submitted for a Conversion of Bar & Residential Apartments to Coffee Shop and Residential Apartments. However, there was no representative present. **Motion made by Messrs. Conard and Horton to table any action regarding the aforementioned property carried.** The Authority requested that a representative from Jefferis Engineering Associates, LLC be present at the meeting of September 9, 2019 to answer any questions offered by the Authority and the public.

RESOLUTION 2019 - #23
A RESOLUTION OF THE RIVERSIDE SEWERAGE AUTHORITY
AUTHORIZING AND ESTABLISHING THE PROFESSIONAL SERVICES
BUDGET FOR VARIOUS PROJECTS.

WHEREAS, the Riverside Sewerage Authority has authorized funding for the Emergency Backup Generator Replacement and the Roof Replacement at the Riverside Sewerage Plant Office; and

WHEREAS, the project will require professional engineering services; and

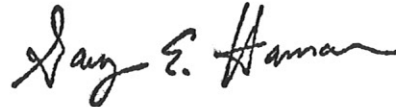
WHEREAS, the Riverside Sewerage Authority has appointed Environmental Resolutions, Inc. as the Special Projects Engineer for the year 2019; and

WHEREAS, the scope of work has been received from Environmental Resolutions Inc., as referenced in the attached Proposals for Professional Services, with a budget not to exceed the following:

Emergency Backup Generator Replacement - \$13,500.00
 Roof Replacement - \$10,000.00

NOW, THEREFORE, BE IT RESOLVED, that the Riverside Sewerage Authority hereby authorizes and establishes the professional services budget for the projects as outlined herein.

Adopted the 12th day of August 2019 at the Regular Meeting of the Riverside Sewerage Authority.



 Gary Haman
 Chairman



 Susan M. Dydek, RMC
 Authority Secretary

OLD BUSINESS:

- 1) SJM Riverside (Taubel Mills) – No update.
- 2) CWA Local 1036 negotiations – Mr. Haman reported that the Authority Labor Attorney sent Adam Liebttag, the CWA Representative a letter which stated that neither Adam Liebttag has not responded to any of the Authority's communications.

NEW BUSINESS:

- 1) Kim Albanese – 605 S. Fairview Street – Sewer problem. Superintendent Bader reported that this is the homeowner's issue and that they should contact a plumber.

ACTION:

None.

CORRESPONDENCE:

- 1) Riverside Middle School – Thank you letter.

REPORTS:**PLANT:**

Mr. Conard reported that Plant Superintendent Bader will give the report.

APPEALS:

Mr. Mingin reported that everything is good.

REVENUE AND FINANCE:

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

STREETS:

Mr. Van Meter reported on the property located at 617 Butler Street, which has stone on top of the street opening.

INSPECTIONS:

Mr. Horton had no report on inspections but did question the status of the street opening located at River Drive and Polk Street? Authority Secretary Dydek stated that she will have the Township Construction Code Official inspect the opening.

SUPERINTENDENT'S REPORT:

Superintendent Bader reported that Willier Electric was contacted to remove and rebuild the 15 hp submersible pump for the Underdrain Pump Station. There was a violation of the Discharge Permit during the reporting period. The Permit requires that two (2) E-Coli Analyses be performed a month.

Only one (1) E-Coli sample was analyzed. The NJDEP was notified and an email notification was sent to Southern Enforcement of the violation. Repairs are required to the Sludge Collection/Scrapper Arm for Clarifloculator #1. As of March 2019, Verizon is no longer required to maintain their copper phone wire system. Superintendent Bader requested that the copper phone lines for the Pump Stations Trouble Alerting System be disconnected and a Fixed Wireless Terminal LTE Cellular Telephone Communications System be installed. The Authority Members agreed. Superintendent Bader requested that Brandon Johnston be permitted to attend the Introduction to the Water/Wastewater Courses starting in September 2019. **Mr. Conard made a motion to authorizing Brandon Johnston to attend the Introduction to Water/Wastewater Courses seconded by Mr. Van Meter carried.**

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. Mr. Horton stated that Arc Flash Study should be done either this year or next year.

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

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

MONTHLY FINANCIAL REPORT:

Treasurer Jack was not in attendance.

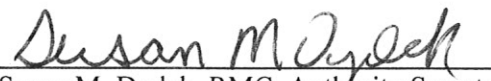
BILLS AND EXPENDITURES:

Motion made by Mr. Horton, seconded by Conard 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.


Susan M. Dydek, RMC, Authority Secretary

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – August 12, 2019**

1. The Plant Performance Summary for June, 2019 is attached for review. There was a violation of the Discharge Permit during this reporting period. The Permit requires that two (2) E-Coli analyses be performed a month. Only one (1) E-Coli sample was analyzed. The NJDEP was notified [Case # 190810093644] and an email notification was sent to Southern Enforcement of the violation. The Residuals [Sludge] Management Summary for June, 2019 is also attached for review. Dewatered sludge [50 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.

No Properties were reported to the NJDEP for a lateral vent overflow this reporting period.
3. There is no Line Maintenance Summary for July, 2019 attached for review.
4. Measurements taking on August 9, 2019 for the Secondary Digester are North 18", South 22", East 18 1/2", and West 20 1/2". There is a 4" 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. Environmental Resolutions, Inc. (ERI) was notified of the Authority's request for ERI's Professional Service's on the Roof Repairs to Building #1.
6. I request the approval of the Sewerage Authority Board to send a Plant employee to the Intro to Water/Waste Water course starting in September 2019.
7. The 2018 Right to Know (RTK) Survey has been submitted to the NJ Department of Health.
8. Repairs were made to the Sand Filter Air Lifts on Sand Filter #1. The out of service NJDEP case # is 190724114011 and the returned to service NJDEP case # is 190805134510. Sand Filter #1 is now operating as designed.
9. Repairs are required to the Sludge Collection/Scrapper Arm for Clariflocculator #1. The out of service NJDEP case # is 190806091556.
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.
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

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – August 12, 2019**

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 majority of the deficiencies reported by the NJDEP Office of Quality Assurance on-site evaluation have been corrected as of the writing of this report.
14. Pump 2 for Pump Station #1 has not returned from Willier Electric as of the submission of this report. 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

June 2019

PARAMETER	PERMIT	REPORTED	PARAMETER	PERMIT	REPORTED
FLOW INFLUENT			NITRATE {AS N}, EFFLUENT		
Monthly Avg	Report	1.20 MGD	Mon Avg Conc	Report	Code=n MG/L
Daily Maximum	Report	1.54 MGD	Daily Max Conc	Report	0.00 MG/L
FLOW, EFFLUENT			NITRATE {AS N}, EFFLUENT		
Monthly Avg	Report	1.07 MGD	Mon Avg Conc	Report	Code=n MG/L
Daily Maximum	Report	1.19 MGD	Daily Max Conc	Report	0.00 MG/L
5 DAY BOD, INFLUENT			E. COLI		
Mon Avg Conc	Report	160.33 MG/L	Monthly Avg	Report	10.00 /100ML
Weekly Avg Conc	Report	190.00 MG/L	Instant Max	Report	10.00 /100ML
5 DAY BOD, EFFLUENT			FECAL COLIFORM, EFFLUENT		
Mon Avg Loading	98 KG/D	23.12 KG/D	Monthly Avg	200/100ML	0.00 /100ML
Weekly Avg Loading	147 KG/D	26.97 KG/D	Weekly Avg	400/100ML	0.00 /100ML
Mon Avg Conc	30 MG/L	6.10 MG/L	BIOASSAY, EFFLUENT		
Weekly Avg Conc	45 MG/L	7.00 MG/L	LC50 96 hr Acute	50%	Code=n %
5 DAY BOD REMOVAL EFFICIENCY			IC25 7 day Chronic	Report	Code=n %
Mon Avg Minimum	88.5%	96.0 %	CHLORINE PRODUCED OXIDANTS, EFFLUENT		
pH, INFLUENT			Mon Avg Conc	Report	0.01 MG/L
Minimum	Report	6.70 S.U.	Daily Max Conc	Report	0.02 MG/L
Maximum	Report	7.25 S.U.	TEMPERATURE, INFLUENT		
pH, EFFLUENT			Minimum	Report	19.50 DEG C
Minimum	6.00 S.U.	6.39 S.U.	Monthly Avg	Report	21.09 DEG C
Maximum	9.00 S.U.	7.21 S.U.	Maximum	Report	22.10 DEG C
TOTAL SUSP SOLIDS, INFLUENT			TEMPERATURE, EFFLUENT		
Mon Avg Conc	Report	169.33 MG/L	Minimum	Report	20.00 DEG C
Weekly Avg Conc	Report	234.00 MG/L	Monthly Avg	Report	21.58 DEG C
TOTAL SUSP SOLIDS, EFFLUENT			Maximum	Report	23.00 DEG C
Mon Avg Loading	113 KG/D	70.99 KG/D	DISSOLVED OXYGEN, EFFLUENT		
Weekly Avg Loading	170 KG/D	80.62 KG/D	Wkly Avg Conc [Min]	4.0 MG/L	5.21 MG/L
Mon Avg Conc	30 MG/L	18.00 MG/L	PHOSPHOROUS, EFFLUENT		
Weekly Avg Conc	45 MG/L	20.00 MG/L	Mon Avg Conc	Report	3.00 MG/L
TOTAL SUSP SOLIDS REMOVAL EFFICIENCY			Weekly Avg Conc	Report	3.00 MG/L
Mon Avg Minimum	85.0%	88.68 %	COPPER, EFFLUENT		
OIL&GREASE, EFFLUENT			Mon Avg Conc	Report	Code = N MG/L
Mon Avg Conc	10 MG/L	0.00 MG/L	Daily Max Conc	Report	0.00 MG/L
Daily Max Conc	15 MG/L	0.00 MG/L	ZINC, EFFLUENT		
AMMONIA NITROGEN {MAY-OCT}, EFFLUENT			Mon Avg Conc	Report	Code = N MG/L
Mon Avg Loading	18.8 KG/D	0.3940 KG/D	Daily Max Conc	Report	0.00 MG/L
Daily Max Loading	37.9 KG/D	0.4031 KG/D	Total Dissolved Solids		
Mon Avg Conc	5 MG/L	0.1000 MG/L	Mon Avg Conc	Report	0.00 MG/L
Daily Max Conc	10 MG/L	0.1000 MG/L	Daily Max Conc	Report	0.00 MG/L

Code = N Not Required This Monitoring Period

0.0000 = Not Required This Monitoring Period

LC50 96 hr Acute Required 1/6monthes

IC25 7 day Chronic Required 1/ 12 Monthes

RESIDUALS MANAGEMENT SUMMARY

June 2019

SLUDGE PRODUCED		RAW SLUDGE	
Total Gallons	104,900.00 gal	% Total Solids, minimum	2.30 %
Average Gallons/Day	3,496.67 gpd	% Total Solids, average	2.47 %
Total Dry Tons	10.78 dt	% Total Solids, maximum	2.60 %
Average Dry Tons/ Day	0.36 dt/d	% Total Volatile Solids, minimum	78.26 %
Total Metric Tons	2.32 dmt	% Total Volatile Solids, average	79.67 %
Average Metric Tons/Day	0.33 mt/d	% Total Volatile Solids, maximum	80.76 %
		pH minimum	4.94 s.u.
		pH maximum	5.76 s.u.
LIQUID SLUDGE REMOVED			
Total Gallons	0.00 gal	sludge sample temperature, min	20.30 C
Average Gallons/Day	0.00 gpd	sludge sample temperature, avg	21.70 C
Total Dry Tons	N.R. dt	sludge sample temperature, max	24.40 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	0.92 %
% Total Solids, Minimum	0.00 %	% Total Solids, average	1.41 %
% Total Solids, Average	0.00 %	% Total Solids, maximum	2.30 %
% Total Solids, Maximum	0.00 %	% Total Volatile Solids, minimum	0.73 %
pH, Minimum	0.00 s.u.	% Total Volatile Solids, average	48.79 %
pH, Maximum	0.00 s.u.	% Total Volatile Solids, maximum	73.91 %
		pH minimum	6.79 s.u.
		pH maximum	6.94 s.u.
DEWATERED SLUDGE REMOVED			
Total Gallons to Belt Press	3496.67 gal	sludge sample temperature, min	28.30 C
Average Gallons/Day	0.00 gpd	sludge sample temperature, avg	32.97 C
% Total Solids, minimum	18.10 %	sludge sample temperature, max	37.10 C
% Total Solids, average	18.30 %		
% Total Solids, maximum	18.50 %	SECONDARY DIGESTER SLUDGE	
% Total Volatile Solids, minimum	74.59 %	% Total Solids, minimum	0.50 %
% Total Volatile Solids, average	75.42 %	% Total Solids, average	0.59 %
% Total Volatile Solids, maximum	76.24 %	% Total Solids, maximum	0.67 %
Total Wet Cubic Yards Removed	50.00 cu yd	% Total Volatile Solids, minimum	74.23 %
Average Wet Cubic Yards	1.67 cy/d	% Total Volatile Solids, average	74.23 %
Total Dry Tons	0.00 dt	% Total Volatile Solids, maximum	74.23 %
Average Dry Tons/ Day	0.00 dt/d	pH minimum	6.67 s.u.
Total Dry Metric Tons	7.02 dmt	pH maximum	6.67 s.u.
Average Dry Metric Tons /day	0.23 mt/d	sludge sample temperature, min	23.60 C
		sludge sample temperature, avg	23.60 C
		sludge sample temperature, max	23.60 C
OPERATIONS			
Heat Exchange, Temp In, min	98.00 F	VOLATILE SOLIDS REDUCTION	
Heat Exchange, Temp In, avg	101.20 F	Raw to Secondary Digester, minimum	31.38 %
Heat Exchange, Temp In, max	103.00 F	Raw to Secondary Digester, average	77.13 %
Heat Exchange, Temp Out, min	97.00 F	Raw to Secondary Digester, maximum	100.00 %
Heat Exchange, Temp Out, avg	101.20 F		
Heat Exchange, Temp Out, max	104.00 F		
Detention Time, Primary Digester	34.32 days		
Detention Time, Secondary Digester	28.60 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

July 2019 Trouble Log Summary

Date	Report #	Address	Condition(s) Reported	Condition(s) Found	Disposition
7/7/2019	2019-085	100 GRANT STREET	Slow/no drainage	Main clear	Notified owner/tenant
7/17/2019	2019-086	605 SOUTH FAIRVIEW STREET	Backflow into property	Main clear	Notified owner/tenant