

Monday Afternoon
 Riverside, NJ
 February 15, 2022
Regular Meeting
 4:50pm

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 January 25, 2022.
- 2) Written notice was delivered to the Burlington County Times and the Courier Post on January 25, 2022.
- 3) Filed written notice with the Clerk of the Township of Riverside on January 25, 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 – not in attendance, Mr. Van Meter – present, Mr. Horton – present.

Also present: Authority Secretary Susan M. Dydek, Authority Treasurer Meghan Jack and Superintendent Joseph Baden, Engineer Hugh Dougherty and Auditor Brent Lee.

RESOLUTION:

Mr. Mingin made a motion to adopt Resolution 2022 - #17 entitled, "The Riverside Sewerage Authority Authorizing the Reduction of the Performance Guarantee for Site Improvements at Property Known as Block 1201, Lots 1, 1.01, and 2 for Applicant Kokes Properties" seconded by Mr. Giovanetti. Upon roll call the vote was as follows: Ayes – Messrs. Mingin, Giovanetti, Van Meter and Horton. Nays – None. Abstain None. Motion carried.

RESOLUTION 2022-#17
THE RIVERSIDE SEWERAGE AUTHORITY
AUTHORIZING THE REDUCTION OF THE PERFORMANCE GUARANTEE FOR SITE
IMPROVEMENTS AT PROPERTY KNOWN AS BLOCK 1201, LOTS 1, 1.01, AND 2
FOR APPLICANT KOKES PROPERTIES

Whereas, a performance bond (the "Performance Guarantee") was previously posted by Kokes Properties (the "Applicant") as a performance guarantee, to guarantee the completion of certain site improvements at property known as Block 1201, Lots 1, 1.01, and 2 on the Tax Map of the Township of Riverside (the "Property"); and

Whereas, in a report dated February 7, 2022, Authority Engineer, Environmental Resolutions, Inc. have found that a total of \$14,730.00 of improvements have been performed/completed; and

Whereas, in that report dated February 7, 2022, Authority Engineer, Environmental Resolutions, Inc. have recommended a reduction in the Performance Guarantee in the amount of \$14,730.00; and

Whereas, the recommended Performance Guarantee reduction of \$14,730.00 would bring the Performance Guarantee balance to \$6,158.40; and

Whereas, pursuant to New Jersey's Municipal Land Use Law the Authority can either "approve, partially approve, or reject the improvements on the basis of a report by the Authority Engineer," and

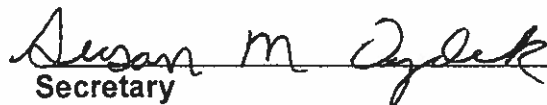
Now, therefore, be it resolved by the Riverside Sewerage Authority that the Performance Guarantee for the improvements at the Property, for the Applicant, be reduced by the amount of \$14,730.00 to bring the Performance Guarantee to a balance of \$6,158.40.

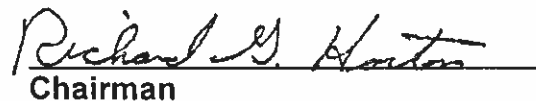
Be it further resolved that the Secretary is hereby directed to forward a signed copy of this Resolution to the Applicant.

ADOPTED by the Riverside Sewerage Authority on February 15, 2022.

ATTEST:

Riverside Sewerage Authority


Secretary


Chairman

APPROVAL OF MINUTES:

Motion made by Mr. Giovanetti, seconded by Mr. Mingin that the minutes of the Work Session Meeting of January 10, 2022 and the Regular Meeting of January 10, 2022 be approved carried.

PUBLIC PORTION – (TECHNICAL):

In seeing no additional members of the Public present, Public Portion (Technical was not opened.)

OLD BUSINESS:

- 1) Voluntary Early Retirement Incentive Plan – Treasurer Jack distributed a draft of the Voluntary Retirement Incentive for review.
- 2) Pennoni Billing – Engineer Dougherty stated that due to a billing error with Pennoni's computer program, Pennoni underbilled the Riverside Sewerage Authority \$26,094.50 for the year 2021. After a brief discussion, **motion made by Mr. Giovanetti, seconded by Mr. Mingin to approve the payment of \$26,094.50 to Pennoni for services rendered in 2021 carried.**

NEW BUSINESS:

- 1) Joanne Gadson – 202 W. Washington Street – Sewer backing up into the house.
- 2) Dion Troughton – 23 E. Washington Street – Standing water in the vent outside and overflowing.
- 3) Emergency Repair Contract – Engineer Dougherty submitted a proposal for an Emergency Repair Contract. Treasurer Jack will meet with Engineer Dougherty to further review the proposal.

CORRESPONDENCE:

- 1) Environmental Resolutions Inc. – Performance Guarantee Reduction – Sanitary Sewer – The Mill at Riverside – Lots, 1, 1.02 & 2 – Block 1201.

REPORTS:**PLANT:**

Mr. Conard was not in attendance.

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 Keymar is expected to start sampling their discharge this month. Primary Clarifier #1 was removed from service on January 16, 2022 for emergency repairs to the main gear drive system. Willier was contacted to perform the repairs. The clarifier remains out of service. Carter Pump #1 was removed from service for repairs. The Duplex Controls for the Pneumatic Ejector at the Hooker Street Pump Station needs immediate repair. The controls are obsolete and parts are unavailable. The station pumps are operating, but not as designed.

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

ENGINEER'S REPORT:

Engineer Dougherty commended Superintendent Bader and Assistant Superintendent Jeff Conard. Engineer Dougherty reported on the 2021 Lining Projects and Spot Repairs and that he met with Keymar to review discharge issues.

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

MONTHLY FINANCIAL REPORT:

Treasurer Jack reported that the slip lining of Polk Street will begin in the Springtime. The Delran Redevelopment Project has begun. The Catholic Charities Redevelopment Project has an estimate of 61 units to be built. The Developer with the Riverdel Swim Club is planning on building 19 homes and connect to Henry Street. The Authority should focus on slip lining this year.

Chairman Horton questioned the capacity? Superintendent Bader and Engineer Dougherty stated that the Authority is currently at 72% capacity.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – February 15, 2022**

1. The Plant Performance Summary for November, 2021 is attached for review. There were no noncompliance violations during this reporting period. The Residuals [Sludge] Management Summary for November, 2021 is also attached for review. Dewatered sludge [yds] were removed by the Woolston Company for composting at the County facility.
2. The Trouble Log Summary for January, 2022 is attached for review.

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

- a) 501 Polk Street, NJDEP Case # 220104101705.
- b) 30 Rush Street, NJDEP Case # 220126131007.

3. There is no Line Maintenance Summary for January, 2021 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. Keymar is expected to start sampling their discharge this month.
6. An Emergency Condition exists at the Treatment Plant. Primary Clarifier #1 was removed from service on January 16, 2022 for emergency repairs to the main gear drive system. The NJDEP case # is 220116102843. Willier was contacted to perform the repairs. The clarifier remains out of service as of the writing of this report. [The Emergency Statement is attached for review].
7. Carter Pump # 1 was removed from service for repairs. Willier was contacted to perform the repairs. The pump remains out of service as of the writing of this report. [The quote is attached for review].
8. An Emergency Condition exists at the Hooker Street Pump Station. The Duplex Controls for the Pneumatic Ejector at the station are in need of immediate repairs. The controls are obsolete and parts aren't available. The station pumps are operating, but not as designed. [The Emergency Statement is attached for review].

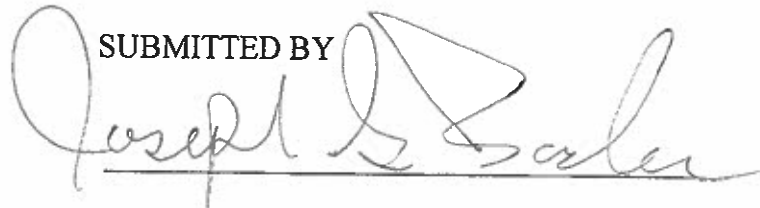
-
9. The Mixer Pump for the Primary Digester was returned to service after Shaft and Sleeves completed the installation. The suction line to the pump is now clear and the Scum Mat nozzle is clear. The two main mixing nozzles are clogged. Every effort to dislodge the clog while the digester is full wasn't 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.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING - February 15, 2022**

Update: The obstruction in the Mixing Nozzle has been removed, but the digester is still out of service.

10. Willier was contacted to investigate a Water Seal Leak alarm issue with Submersible Pump #1 at the Metal Works Pump Station. A quotation of [\$14,395.00] for the repairs was received from Willier. [The quotation is attached for review].
11. Sand Filter # 1 has been removed from service for inspection and maintenance. The NJDEP Case # is 211108074550.

SUBMITTED BY



JOSEPH G. BADER
SUPERINTENDENT

PLANT PERFORMANCE SUMMARY

November-21

PARAMETER	PERMIT	REPORTED	PARAMETER	PERMIT	REPORTED
FLOW, INFLUENT			NITRATE (AS N), EFFLUENT 1 / 6 months		
Monthly Avg	Report	0.783 MGD	Mon Avg Conc	Report	Code = N MG/L
Daily Maximum	Report	1.043 MGD	Daily Max Conc	Report	Code = N MG/L
FLOW, EFFLUENT			E. COLI 2 / month		
Monthly Avg	Report	0.725 MGD	Monthly Avg	Report	1.59 /100ML
Daily Maximum	Report	0.818 MGD	Instant Max	Report	2.00 /100ML
5 DAY BOD, INFLUENT			FECAL COLIFORM, EFFLUENT Require Reuse Only		
Mon Avg Conc	Report	148.33 MG/L	Monthly Avg	200/100ML	1.00 /100ML
Weekly Avg Conc	Report	162.00 MG/L	Weekly Avg	400/100ML	1.00 /100ML
5 DAY BOD, EFFLUENT			BIOASSAY, EFFLUENT		
Mon Avg Loading	98 KG/D	23.21 KG/D	LC50 96 hr Acute	50	Code = N %
Weekly Avg Loading	147 KG/D	34.57 KG/D	IC25 7 day Chronic	Report	Code = N %
Mon Avg Conc	30 MG/L	8.47 MG/L	CHLORINE PRODUCED OXIDANTS, EFFLUENT		
Weekly Avg Conc	45 MG/L	13.20 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	94.29 %	TEMPERATURE, INFLUENT		
pH, INFLUENT			Minimum	Report	16.8 DEG C
Minimum	Report	7.11 S.U.	Monthly Avg	Report	18.8 DEG C
Maximum	Report	7.62 S.U.	Maximum	Report	23.4 DEG C
pH, EFFLUENT			TEMPERATURE, EFFLUENT		
Minimum	6.00 S.U.	6.01 S.U.	Minimum	Report	14.2 DEG C
Maximum	9.00 S.U.	8.22 S.U.	Monthly Avg	Report	17.4 DEG C
TOTAL SUSP SOLIDS, INFLUENT			Maximum	Report	24.0 DEG C
Mon Avg Conc	Report	128.3 MG/L	DISSOLVED OXYGEN, EFFLUENT		
Weekly Avg Conc	Report	153.0 MG/L	Wkly Avg Conc [Min]	4.0 MG/L	5.91 MG/L
TOTAL SUSP SOLIDS, EFFLUENT			PHOSPHOROUS, EFFLUENT 1 / month		
Mon Avg Loading	113 KG/D	24.77 KG/D	Mon Avg Conc	Report	3.7 MG/L
Weekly Avg Loading	170 KG/D	28.81 KG/D	Weekly Avg Conc	Report	3.7 MG/L
Mon Avg Conc	30 MG/L	8.67 MG/L	COPPER, EFFLUENT Quarterly only		
Weekly Avg Conc	45 MG/L	11.00 MG/L	Mon Avg Conc	Report	0.035 MG/L
TOTAL SUSP SOLIDS REMOVAL EFFICIENCY			Daily Max Conc	Report	0.035 MG/L
Mon Avg Minimum	85	92.77 %	ZINC, EFFLUENT Quarterly Only		
OIL&GREASE, EFFLUENT Quarterly			Mon Avg Conc	Report	0.077 MG/L
Mon Avg Conc	10 MG/L	Code=N MG/L	Daily Max Conc	Report	0.077 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	564.0 MG/L
Mon Avg Loading	75.7 KG/D	2.08 KG/D	Daily Max Conc	Report	564.0 MG/L
Daily Max Loading	151.4 KG/D	5.50 KG/D			
Mon Avg Conc	20 MG/L	0.79 MG/L			
Daily Max Conc	40 MG/L	2.10 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

November-21

SLUDGE PRODUCED			RAW SLUDGE		
Total Gallons	0	gal	% Total Solids, minimum	3.30	%
Average Gallons/Day	0	gpd	% Total Solids, average	4.33	%
Total Dry Tons	0	dt	% Total Solids, maximum	5.70	%
Average Dry Tons/Day	0	dt/d	% Total Volatile Solids, minimum	71.10	%
Total Metric Tons	0	mt	% Total Volatile Solids, average	75.67	%
Average Metric Tons/Day	0	mt/d	% Total Volatile Solids, maximum	80.30	%
			pH minimum	5.02	s.u.
			pH maximum	6.32	s.u.
LIQUID SLUDGE REMOVED					
Total Gallons		gal	sludge sample temperature, min	14.20	C
Average Gallons/Day	0	gpd	sludge sample temperature, avg	18.04	C
Total Dry Tons	N.R.	dt	sludge sample temperature, max	21.80	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	2.8	%
% Total Solids, Minimum	N.R.	%	% Total Solids, average	4.266667	%
% Total Solids, Average	N.R.	%	% Total Solids, maximum	5.9	%
% Total Solids, Maximum	N.R.	%	% Total Volatile Solids, minimum	54.7	%
pH, Minimum	N.R.	s.u.	% Total Volatile Solids, average	62.3	%
pH, Maximum	N.R.	s.u.	% Total Volatile Solids, maximum	69.7	%
			pH minimum	5.69	s.u.
			pH maximum	5.8	s.u.
DEWATERED SLUDGE REMOVED					
Total Gallons to Belt Press		gal	sludge sample temperature, min	14.8	C
Average Gallons/Day		gpd	sludge sample temperature, avg	15.2	C
% Total Solids, minimum	20.4	%	sludge sample temperature, max	15.5	C
% Total Solids, average	22.9	%			
% Total Solids, maximum	25	%	SECONDARY DIGESTER SLUDGE		
% Total Volatile Solids, minimum	67.80	%	% Total Solids, minimum	2.8	%
% Total Volatile Solids, average	77.17	%	% Total Solids, average	4.35	%
% Total Volatile Solids, maximum	84.50	%	% Total Solids, maximum	5.9	%
Total Wet Cubic Yards Removed	0.00	cu yd	% Total Volatile Solids, minimum	54.7	%
Average Wet Cubic yards/day	0.00	cy/d	% Total Volatile Solids, average	62.2	%
Total Dry Tons	0	dt	% Total Volatile Solids, maximum	69.7	%
Average Dry Tons/Day	0	dt/d	pH minimum	5.69	s.u.
Total Metric Tons	0	mt	pH maximum	5.8	s.u.
Average Metric Tons/Day	0	mt/d	sludge sample temperature, min	14.8	C
			sludge sample temperature, avg	15.15	C
			sludge sample temperature, max	15.5	C
OPERATIONS					
Heat Exchange, Temp In, min	62.0	°F			
Heat Exchange, Temp In, avg	78.0	°F	VOLATILE SOLIDS REDUCTION		
Heat Exchange, Temp In, max	84.0	°F	Raw to Secondary Digester, minimum	59.50	%
Heat Exchange, Temp Out, min	60.0	°F	Raw to Secondary Digester, average	47.08	%
Heat Exchange, Temp Out, avg	67.0	°F	Raw to Secondary Digester, maximum	59.50	%
Heat Exchange, Temp Out, max	80.0	°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

January 2022 Trouble Log Summary

Date	Report #	Address	Condition(s) Reported	Condition(s) Found	Disposition
1/3/2022	2022-001	223 CLEVELAND AVENUE	Slow/no drainage	Main clear	Notified owner/tenant
1/4/2022	2022-002	501 POLK STREET	Vent overflow	Main clear	Notified owner/tenant
1/7/2022	2022-003	208 PAINE STREET	Backflow into property	Main clear	Notified owner/tenant
1/10/2022	2022-004	415 LIPPINCOTT AVENUE	Vent overflow	Main clear	Notified owner/tenant
1/10/2022	2022-005	131 SPRING GARDEN STREET	Other	Utility Equipment	Notified owner/tenant
1/10/2022	2022-006	FIFTH ST. & HEULINGS AVE.	Line inspection	Main slow	Flush/vac/root cut sewer main
1/18/2022	2022-007	202 W. WASHINGTON STREET	Backflow into property	Main clear	Notified owner/tenant
1/21/2022	2022-008	202 W. WASHINGTON STREET	Backflow into property	Main clear	Notified owner/tenant
1/23/2022	2022-009	119 RANOCAS AVENUE	Backflow into property	Main slow	Flush/vac/root cut sewer main
1/24/2022	2022-010	413 S. CHESTER AVENUE	Backflow into property	Main clear	Notified owner/tenant
1/25/2022	2022-011	604 SECOND STREET	Backflow into property	Main slow	Flush/vac/root cut sewer main
1/26/2022	2022-012	30 RUSH STREET	Vent overflow	Main blocked	Notified owner/tenant

RIVERSIDE SEWERAGE AUTHORITY
PO BOX 188
RIVERSIDE, NJ 08075

Office (856) 461-1460

Plant (856) 461-0700

Fax (856) 461-0428

January 16, 2022

NJDEP Case # 220116102843

EMERGENCY STATEMENT: EMERGENCY REPAIRS FOR PRIMARY CLARIFIER #1 DRIVE

The undersigned Department Head certifies as to the following:

1. An emergency condition exists at the wastewater treatment plant.
2. This condition constitutes an emergency affecting the immediate health, safety or welfare of the public.
3. The Gear Drive system for the Primary Digester failed causing damage to the main drive shaft, two gears, chain and bearings. This failure prohibits the routine processing of wastewater and the removal of sludge from the wastewater treatment plant for processing.
4. This emergency occurred on January 16, 2022 and will continue until such time as the repairs have been completed on the Primary Clarifier Gear Drive.
5. It is necessary to invoke N.J.S.A. 40a:11-6 in order to complete the immediate delivery of parts for the repair of Primary Clarifier #1 and restore wastewater treatment operations. The estimate cost of said parts is \$10,500.00 to \$12,500.00.
6. It is requested that purchase orders be issued without public advertisement for bids, pursuant to the above cited statute and N.J.A.C. 5:34-6.1 et seq.
7. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements are willfully false, I am subject to punishment.

Joseph Bader
Superintendent



CC: Plant File
Authority Secretary

RIVERSIDE SEWERAGE AUTHORITY
PO BOX 188
RIVERSIDE, NJ 08075

255

Office (856) 461-1460

Plant (856) 461-0700

Fax (856) 461-0428

February 8, 2022

EMERGENCY STATEMENT: EMERGENCY REPAIRS FOR HOOKER STREET PUMP STATION

The undersigned Department Head certifies as to the following:

1. An emergency condition exists at Hooker Street Pump Station.
2. This condition constitutes an emergency affecting the immediate health, safety or welfare of the public.
3. The Duplex Controls for the Hooker Street Pneumatic Ejector system is no longer operating as designed. The parts need to repair the controls are not available, the controls are obsolete. The control system requires immediate replacement.
4. This emergency occurred on February 8, 2022 and will continue until such time as the replacement of the Duplex Controls have been completed.
5. It is necessary to invoke N.J.S.A. 40a:11-6 in order to complete the immediate delivery of the Control system and to restore the Hooker Street Pump Station to designed operations. The estimate cost of said parts is \$9,500.00.
6. It is requested that purchase orders be issued without public advertisement for bids, pursuant to the above cited statute and N.J.A.C. 5:34-6.1 et seq.
7. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements are willfully false, I am subject to punishment.

Joseph Bader
Superintendent



CC: Plant File
Authority Secretary

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


BILLS AND EXPENDITURES:

Motion made by Mr. Van Meter, seconded by Mr. Mingin 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. Van Meter and Mr. Mingin that Public Portion (Informational) be closed carried.

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


Susan M. Dydek, RMC
Authority Secretary

Riverside Sewerage Authority