

Monday Afternoon
Riverside, NJ
July 11, 2016
Regular Meeting
4:53pm

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 16, 2016.
2. Written notice was delivered to the Burlington County Times on February 16, 2016 and the Courier Post on February 16, 2016.
3. Filed written notice with the Clerk of the Township of Riverside on February 16, 2016.

The regular meeting of the Riverside Sewerage Authority was held on the above date at the Riverside Township Municipal Building with the following members present: Messrs. Mingin, Conard, Van Meter, Horton and Haman along with Authority Secretary Susan M. Dydek, Treasurer Meghan Jack, Superintendent Joseph Bader and Consultant Orfe.

RESOLUTION:

Mr. Horton made a motion to adopt Resolution 2016-#27 entitled, "A RESOLUTION OF THE RIVERSIDE SEWERAGE AUTHORITY AMENDING RESOLUTION 2012 - #33 AND THE BYLAWS AND RESOLUTIONS OF THE RIVERSIDE SEWERAGE AUTHORITY." seconded by Mr. Mingin. Upon roll call, the vote was as followed: Ayes – Messrs. Horton, Mingin, Van Meter, Conard and Haman. Nays – None. Abstain – None. Motion carried.

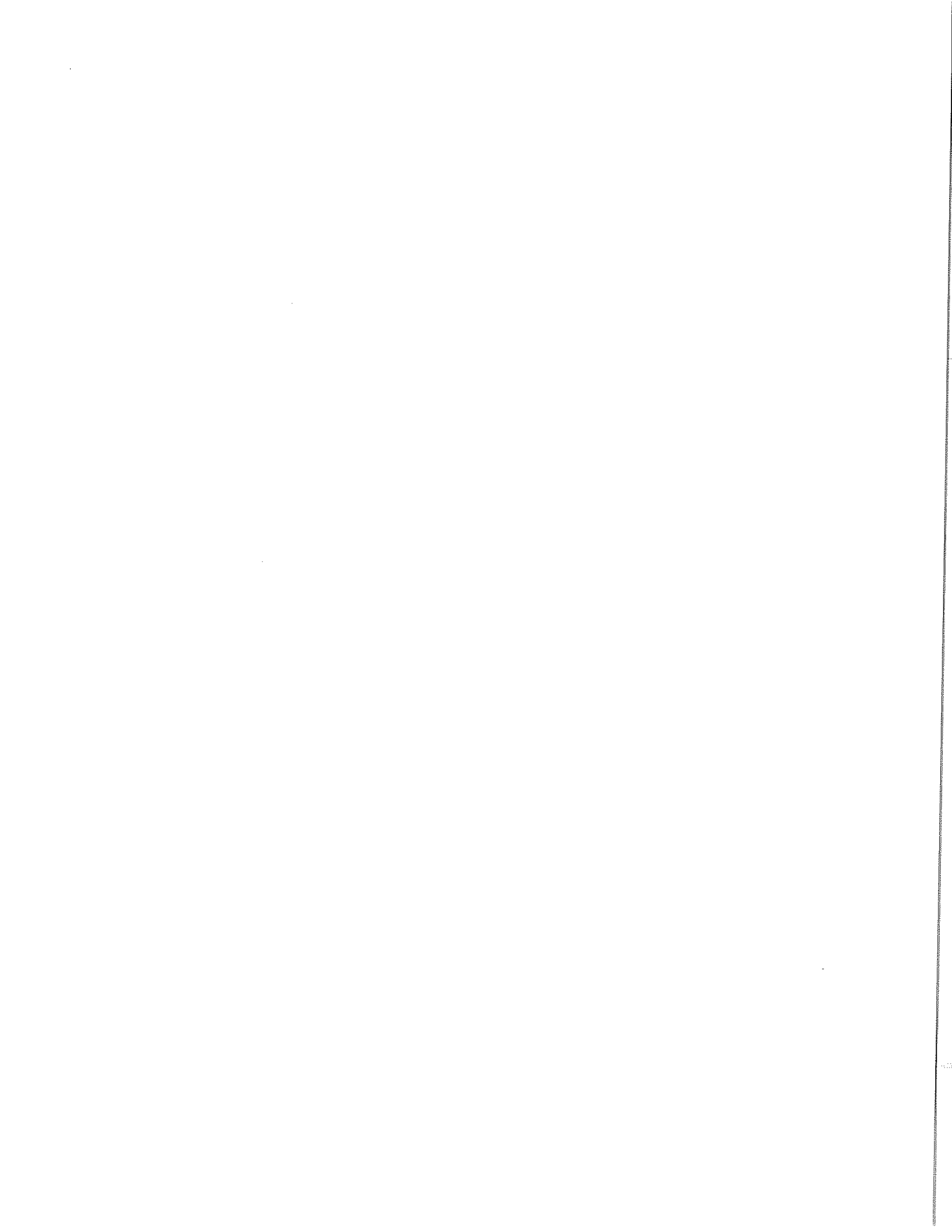
APPROVAL OF MINUTES:

Motion made by Mr. Horton and Mr. Conard that the minutes of the Work Session Meeting of June 13, 2016 and the Regular Meeting of June 13, 2016 be approved as written carried.

PUBLIC PORTION – (TECHNICAL):

Chairman Haman opened the Public Portion (Technical).

In seeing that there were no members of the Public wishing to speak during the Technical Portion, motion made by Mr. Horton and Mr. Mingin carried: Public Portion be closed.



OLD BUSINESS:

- 1) Flood Insurance – Matthew Engermire from Sloan Insurance Company – Mr. Engermire stated that Flood Insurance is Federally Regulated and that prices would not change from carrier to carrier. The only way the price would change is to change the price of what is insured. Also, an Engineer could do a Flood Elevation Certificate which may assist in lowering the price.

NEW BUSINESS:

- 1) Desire Cooper – 410 Filmore Street – Sewer backing up at curb.
- 2) Ronaldo Sanchez – 304 Greenwood Avenue – Sewer backing up into street and sidewalk.
- 3) Donna Karwacki – 211 Madison Avenue – Sewer at 209 Madison Street smells terrible, please check.
- 4) Mr. Maurer – 202 Lippincott Avenue – Clogged vent.
- 5) Liffirsrn Lana – 401 Cleveland Avenue – Toilet overflowing.

ACTION:

- 1) Remy Investments – filed an appeal to stop billing for service on account number 167-1449-2 which was disconnected on April 4, 2016. **Motion made by Mr. Horton seconded by Mr. Mingin to accept the appeal filed by Remy Investments to stop billing account number 1671449-2 carried.**
- 2) **Motion made by Mr. Conard, seconded by Mr. Van Meter authorizing to extend the DEP Permit, the Treatment Works Approval for the Hovnanian Sites carried.**

CORRESPONDENCE:

- 1) State of New Jersey – Department of Environmental Protection – Replacing the Facility Boilers and Trickling Filter Oder Control.
- 2) State of New Jersey – Department of Labor and Workforce Development – PEOSH Inspection – Hazards/Violations are abated.
- 3) Riverside Middle School – Thank you for award.
- 4) Remy Investments – Requesting billing change from Industrial rates to Commercial rates. **After a brief discussion, this request was denied since the property is located in an Industrial Zone.**

REPORTS:**PLANT:**

Mr. Mingin reported that everything at the Plant is going well and the two (2) new employees are working out well.

RESOLUTION 2016 - #27A RESOLUTION OF THE RIVERSIDE SEWERAGE AUTHORITY AMENDING
RESOLUTION 2012 - #33 AND THE BYLAWS AND RESOLUTIONS OF THE RIVERSIDE
SEWERAGE AUTHORITY.

WHEREAS, the Riverside Sewerage Authority is a public body created by the Township of Riverside for the purpose of relieving waters in or bordering the State of New Jersey from pollution; and

WHEREAS, pursuant to N.J.S.A.40:14A-1 et seq., the "Sewerage Authorities Law", the Riverside Sewerage Authority is authorized to charge and collect rates, referred to as "service charges" from occupants or owners of property for direct or indirect connection with or use or services of its sewerage collection and treatment system; and

WHEREAS, the Riverside Sewerage Authority deems service charges based upon water consumption to be the most practicable and equitable method of assessing sewer charges as it assures a uniform rate structure thereby providing a satisfactory revenue flow which will enable the Riverside Sewerage Authority to fulfill its environmental obligations; and

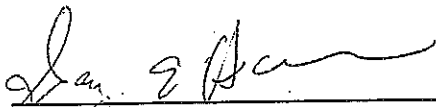
WHEREAS, the Riverside Sewerage Authority has determined that Resolution No. 2012 - #33 is in need of an amendment.

NOW, THEREFORE, BE IT RESOLVED, by the Riverside Sewerage Authority of the Township of Riverside the following:

- a) Section II entitled, "Minimum Quarterly Service Charge," Number 6 is hereby amended to read **Class of User - Industrial "B" Meter Size - 1" to 1 ½ ", Gallons - 12,000.00 Minimum Quarterly Service Charge - \$1,144.00.**

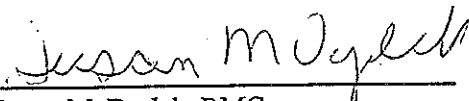
BE IT FURTHER RESOLVED, that this change is retroactive back to January 1, 2013 which was the effective date of Resolution 2012 - #33.

BY ORDER OF THE RIVERSIDE SEWERAGE AUTHORITY.



Gary Haman, Chairman

ATTEST:



Susan M. Dydek, RMC
Authority Secretary

APPEALS:

Mr. Horton reported that the two appeals filed with Remy Investments are in the process of being rectified.

REVENUE AND FINANCE:

Mr. Haman reported that the Union Contracts and amendments are in the process of being completed.

STREETS:

Mr. Van Meter reported that there needs to be better communication between the Township and the Sewerage Authority regarding Street Openings. Mr. Van Meter questioned a house on Bem Street that performed sewerage work without a permit. Treasurer Jack stated that the Township was unaware of work being done on Bem Street until it was reported to the Township. There was a discussion regarding the issue and it was determined that the work that was performed was due to an emergent condition. Also, it was determined that the Township Clerk will forward copies of all Street Opening Permits regarding a sewer issues to Mr. Van Meter.

SUPERINTENDENT'S REPORT:

Superintendent Bader reported that the Right to Know Survey was completed and gave a brief update on the SCADA System.

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

ASSISTANT SUPERINTENDENT:

Assistant Superintendent Jeffrey Conard was not present.

Motion made by Mr. Horton and Mr. Mingin to accept the Superintendent's report carried.

ENGINEER'S REPORT:

The Engineer's Report was submitted. No questions or concerns were presented.

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

CONSULTANT – MR. ORFE:

Mr. Orfe inspected the PSE&G disconnect on Lincoln Ave. The job was acceptable.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING - July 11, 2016**

1. The Plant Performance Summary for May, 2016 is attached for review. There were no violations during this report period. Residuals [Sludge] Management Summary for May, 2016 is also attached for review. Dewatered sludge [25yds] was removed by the Woolston Company for composting at the County facility.
2. The Trouble Log Summary for June, 2016 is attached for review.
3. There is no Line Maintenance Summary for June, 2016.
4. The Activities Report for June/July, 2016 is attached for review.
5. Measurements taking on July 8, 2016 for Secondary Digester Dome are North 24", South 28", East 24", and West 28 3/8". There is a 4 3/8" 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. Until the repairs to the Primary Digester mixing system are made, the digester won't produce enough gas to lift the Secondary Digester Dome roof].
6. 6:49PM June 9, 2016 the plant lost one phase of the main power entering the plant. The 75 kW back-up generator for the older portion of the plant would not start. Industrial Valley was contacted to troubleshoot the issue. PSE&G was contacted to troubleshoot the electric issue. The NJDEP was notified the plant wasn't operating as designed [case # 160609204752].

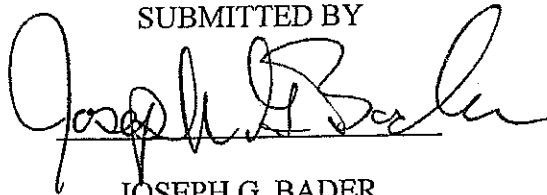
A generator was rented to temporary replace the 75 kW generator until PSE&G restored the power or Industrial Valley repaired the generator. Willier Electric was contacted to wire the rental generator into the 75 kW control panel.

PSE&G restored the power to the plant at 2:00 AM June 10, 2016. NJDEP was notified the plant was back to normal operations [case # 160610040704].
7. A sinkhole was found in the street near the main on Middleton St. Delran Sewer TV Inspected the main between MH 172 to MH 177 on Middleton St. The TV Inspection affirmed the sinkhole was not create from damage to the main.
8. Sand Filter #3 was removed from service for maintenance. The out of service case # is 160304101826. RSA at this time is waiting on material from Enecon to repair the damaged hood.
9. The confined space training required for Riverside Sewerage Authority has been completed with Cinnaminson. A copy of the training was emailed to The Department of Labor. This concludes the audit corrections
10. The SCADA replacement has not started at this time.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING - July 11, 2016**

11. The Senior Loss Control Consultant from J.A Montgomery was onsite to review RSA's Plant Safety Program for safety issues. The inspection went well.
12. The lateral disconnection for the PSE&G project on Lincoln St was completed June 24, 2016. The disconnection was completed to the new Lateral Disconnection Regulations with no issues.
13. The 2015 Right to Know survey has been completed and electronically filed.
14. The Southern Enforcement Inspector for the NJDEP was onsite to review the operations of the plant. The Inspector found no issues.
15. Pennoni Associates and a representative of Vanguard were onsite June 17, 2016 to attend a meeting on the new mixing system for the Primary Digester. The plans for the project are completed and are being reviewed.
16. Three contractors [Municipal Maintenance, Shaft and Sleeves and Deltronics] were contacted for a quotation on the replacement of the damaged Wemco pump for the Sludge Station. One quote was received from [Municipal Maintenance (\$17,650.00)].

SUBMITTED BY



JOSEPH G. BADER
SUPERINTENDENT

PLANT PERFORMANCE SUMMARY

May 2016

PARAMETER	PERMIT	REPORTED	PARAMETER	PERMIT	REPORTED
FLOW, EFFLUENT			NITRATE (AS N), EFFLUENT		
Monthly Avg	Report	0.42 MGD	Mon Avg Conc	Report	ND MG/L
Daily Maximum	Report	0.51 MGD	Daily Max Conc	Report	ND MG/L
5 DAY BOD, INFLUENT			E COLI		
Mon Avg Conc	Report	218.33 MG/L	Monthly Avg	Report	4.00 /100ML
Weekly Avg Conc	Report	271.00 MG/L	Instant Max	Report	4.00 /100ML
5 DAY BOD, EFFLUENT			FECAL COLIFORM, EFFLUENT		
Mon Avg Loading	98 KG/D	9.06 KG/D	Monthly Avg	200/100ML	4.00 /100ML
Weekly Avg Loading	147 KG/D	9.78 KG/D	Weekly Avg	400/100ML	4.00 /100ML
Mon Avg Conc	30 MG/L	5.40 MG/L	BIOASSAY, EFFLUENT		
Weekly Avg Conc	45 MG/L	6.30 MG/L	LC50 96 hr Acute	50%	0.00 %
5 DAY BOD REMOVAL EFFICIENCY			IC25 7 day Chronic	Report	0.00 %
Mon Avg Minimum	88.5%	97.53 %	CHLORINE PRODUCED OXIDANTS, EFFLUENT		
pH, INFLUENT			Mon Avg Conc	Report	0.00 MG/L
Minimum	Report	7.00 S.U.	Daily Max Conc	Report	0.00 MG/L
Maximum	Report	7.50 S.U.	TEMPERATURE, INFLUENT		
pH, EFFLUENT			Minimum	Report	19.90 DEG C
Minimum	6.00 S.U.	7.00 S.U.	Monthly Avg	Report	17.70 DEG C
Maximum	9.00 S.U.	7.54 S.U.	Maximum	Report	22.80 DEG C
TOTAL SUSP SOLIDS, INFLUENT			TEMPERATURE, EFFLUENT		
Mon Avg Conc	Report	173.33 MG/L	Minimum	Report	16.90 DEG C
Weekly Avg Conc	Report	213.00 MG/L	Monthly Avg	Report	19.27 DEG C
TOTAL SUSP SOLIDS, EFFLUENT			Maximum	Report	22.40 DEG C
Mon Avg Loading	113 KG/D	14.06 KG/D	DISSOLVED OXYGEN, EFFLUENT		
Weekly Avg Loading	170 KG/D	16.01 KG/D	Wkly Avg Conc [Min]	4.0 MG/L	6.01 MG/L
Mon Avg Conc	30 MG/L	8.33 MG/L	PHOSPHOROUS, EFFLUENT		
Weekly Avg Conc	45 MG/L	9.00 MG/L	Mon Avg Conc	Report	5.18 MG/L
TOTAL SUSP SOLIDS REMOVAL EFFICIENCY			Weekly Avg Conc	Report	5.18 MG/L
Mon Avg Minimum	85.0%	95.07 %	COPPER, EFFLUENT		
OIL&GREASE, EFFLUENT			Mon Avg Conc	Report	Code=N MG/L
Mon Avg Conc	10 MG/L	2.29 MG/L	Daily Max Conc	Report	Code=N MG/L
Daily Max Conc	15 MG/L	2.29 MG/L	ZINC, EFFLUENT		
AMMONIA NITROGEN (MAY-OCT), EFFLUENT			Mon Avg Conc	Report	Code=N MG/L
Mon Avg Loading	18.8 KG/D	0.1468 KG/D	Daily Max Conc	Report	Code=N MG/L
Daily Max Loading	37.9 KG/D	0.1741 KG/D			
Mon Avg Conc	5 MG/L	0.0867 MG/L			
Daily Max Conc	10 MG/L	0.1000 MG/L			

Code = N Not Required This Monitoring Period

RESIDUALS MANAGEMENT SUMMARY

May 2016

SLUDGE PRODUCED		RAW SLUDGE	
Total Gallons	86700.00 gal	% Total Solids, minimum	2.25 %
Average Gallons/Day	0.00 gpd	% Total Solids, average	2.54 %
Total Dry Tons	9.19 dt	% Total Solids, maximum	2.72 %
Average Dry Tons/ Day	0.00 dt/d	% Total Volatile Solids, minimum	81.25 %
Total Metric Tons	8.35 mt	% Total Volatile Solids, average	82.95 %
Average Metric Tons/Day	0.00 mt/d	% Total Volatile Solids, maximum	84.21 %
Total Wet Cu yards a Month	25.00 WCYM	pH minimum	4.70 s.u.
LIQUID SLUDGE REMOVED		pH maximum	5.90 s.u.
Total Gallons	N.R. gal	sludge sample temperature, min	17.50 C
Average Gallons/Day	N.R. gpd	sludge sample temperature, avg	20.37 C
Total Dry Tons	N.R. dt	sludge sample temperature, max	23.00 C
Average Dry Tons/ Day	N.R. dt/d	PRIMARY DIGESTER SLUDGE	
Total Metric Tons	N.R. mt	% Total Solids, minimum	0.00 %
Average Metric Tons/Day	N.R. mt/d	% Total Solids, average	0.07 %
% Total Solids, Minimum	0.00 %	% Total Solids, maximum	0.10 %
% Total Solids, Average	0.00 %	% Total Volatile Solids, minimum	0.00 %
% Total Solids, Maximum	0.00 %	% Total Volatile Solids, average	0.05 %
pH, Minimum	s.u.	% Total Volatile Solids, maximum	0.10 %
pH, Maximum	s.u.	pH minimum	6.78 s.u.
DEWATERED SLUDGE REMOVED		pH maximum	6.99 s.u.
Total Gallons to Belt Press	0.00 gal	sludge sample temperature, min	30.80 C
Average Gallons/Day	0.00 gpd	sludge sample temperature, avg	34.13 C
% Total Solids, minimum	17.50 %	sludge sample temperature, max	36.50 C
% Total Solids, average	20.37 %	SECONDARY DIGESTER SLUDGE	
% Total Solids, maximum	23.00 %	% Total Solids, minimum	0.00 %
% Total Volatile Solids, minimum	4.70 %	% Total Solids, average	0.00 %
% Total Volatile Solids, average	0.00 %	% Total Solids, maximum	0.00 %
% Total Volatile Solids, maximum	5.90 %	% Total Volatile Solids, minimum	4.70 %
Total Cubic Yards Removed	25.00 cu yd	% Total Volatile Solids, average	0.00 %
Average Cubic Yards/Day	0.81 cy/d	% Total Volatile Solids, maximum	5.90 %
Total Dry Tons	4.03 dt	pH minimum	6.92 s.u.
Average Dry Tons/ Day	0.13 dt/d	pH maximum	6.93 s.u.
Total Metric Tons	3.66 mt	sludge sample temperature, min	21.36 C
Average Metric Tons/Day	0.12 mt/d	sludge sample temperature, avg	21.57 C
OPERATIONS		sludge sample temperature, max	22.19 C
Heat Exchange, Temp In, min	101 F	VOLATILE SOLIDS REDUCTION	
Heat Exchange, Temp In, avg	103 F	Raw to Secondary Digester, minimum	2.25 %
Heat Exchange, Temp In, max	106 F	Raw to Secondary Digester, average	2.54 %
Heat Exchange, Temp Out, min	102 F	Raw to Secondary Digester, maximum	2.72 %
Heat Exchange, Temp Out, avg	104 F		
Heat Exchange, Temp Out, max	108 F		
Detention Time, Primary Digester	days		
Detention Time, Secondary Digester	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

June 2016 Trouble Log Summary

Date	Report #	Address	Condition(s) Reported	Condition(s) Found	Disposition
6/1/2016	2016-051	331 BEM ST	Backflow into property	Main slow	Flush/vac/root cut sewer main
6/6/2016	2016-052	508 BEM STREET	Backflow into property	Main clear	Notified owner/tenant
6/6/2016	2016-053	120 WASHINGTON ST	Markout request	Other	Markout main/lateral/vent
6/13/2016	2016-054	410 PAINE ST	Vent overflow	Lateral blocked	Notified owner/tenant
6/22/2016	2016-055	304 GREENWOOD AVE	Backflow into property	Lateral blocked	Notified owner/tenant
6/24/2016	2016-056	508 BEM ST	Slow/no drainage	Lateral blocked	Notified owner/tenant
6/28/2016	2016-057	211 MADISON ST	Odor complaint	Lateral broken/damaged	Notified owner/tenant
6/29/2016	2016-058	202 LIPPINCOTT	Backflow into property	Lateral blocked	Notified owner/tenant
6/29/2016	2016-059	418 DELAWARE AVE	Odor complaint	Lateral 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

ACTIVITIES REPORT June/July 2016

One phase of the main power entering the plant was lost at 6:49PM June 9, 2016 and was restored 2:00 AM June 10, 2016. The 75 kW back-up generator would not start. Industrial Valley was contacted to troubleshoot the issue. PSE&G was contacted to troubleshoot the electric issue. A generator was rented to back-up the 75 kW generator. Willier Electric was contacted to wire the rental generator. The NJDEP was contacted [case # 160609204752] [case # 160610040704].

Industrial Valley onsite and found a wiring issue with the 75 kW generator.

Willier Electric was onsite to remove the wiring for the rental generator. The rental generator will be removed June 13, 2016. RSA will only be charged for 24 hours of rental.

Pennoni returned RSA's old Primary Digester plans that were used for the new Primary Digester Project.

The rental generator was picked up June 13, 2016.

Industrial Valley was contacted for a quotation on the replacement of the 75 kW generator.

The starter for Trickling Filter Pump 3 required a reset. It is suspected this was due to the June 9, 2016 power failure.

The UV intensity probe for the Bank B meter failed and was replaced by RSA.

The Senior Loss Control Consultant from J.A Montgomery was onsite to review RSA's Plant for safety issues. The inspection went well.

Joe D. attended NJWEA training on the collection system.

Four Quarters was onsite to troubleshoot the Heat Pump in the Building 6 office. Four Quarters determined the heat pump AC piping was damaged for the corrosive environment in Building 6 and requires a replacement. A quotation was requested.

A draft of the new lateral disconnection regulations were delivered to the Plumbing Inspector.

Pennoni Associates and a representative of Vanguard were onsite to attend a meeting on the new mixing system for the Primary Digester.

Training on the Free Chlorine Analysis was conducted.

A call from the NJDEP was received about the expiring permit for the 188 unit Mill's project [Permit # 12-0299]. The information was forwarded to the Town Hall for the Chairman's review.

RIVERSIDE SEWERAGE AUTHORITY
PO BOX 188
RIVERSIDE, NJ 08075

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The lateral disconnection for the PSE&G project on Lincoln St was attended by Joe B, Jeff and the Plumbing Inspector June 24, 2016. The disconnection was completed to the new Lateral Disconnection Regulations.

The monthly routine maintenance for the UV System was performed.

New employees started June 27, 2016.

Communicated for ten minutes June 27, 2016 with David Serlin about the Industrial Rate per meter size.

John J, John D and Joe H to All Industrial Safety for respirator fit test.

Industrial Valley onsite to troubleshoot the 75 kW. The remote start will not work.

Cinnaminson Rescue Team onsite to conduct Confined Space Training with the RSA employees.

The Policy and Procedure Manual for RSA was issued to the new guys.

Communicated for ten minutes June 28, 2016 with David Serlin about the Industrial Rate per meter size.

The NJDEP Southern Enforcement Inspector was onsite to review the operations of the plant. No issues.

The 2015 Right to Know survey has been filed.

Received a call from the Plumbing Inspector questioning if I was aware of 508 Bem St replacing their lateral. I told him "no I wasn't". I reached out the plumber doing the repairs and I was told it was an emergency repair. I forwarded this information to the Plumbing Inspector.

Burlington County Overhead Doors was onsite to repair the emergency stop edge on Building One Garage Door #1.

Delran Sewer TV Inspected the main between MH 172 to MH 177 on Middleton St. A sinkhole in the street was found near the location of the main. The TV Inspection affirmed the sinkhole was not create from damage to the main.

Industrial Valley was onsite to troubleshoot the 75 kW starting issues.

MONTHLY FINANCIAL REPORT:

Treasurer Jack reported that the bill list has been distributed.

BILLS AND EXPENDITURES:

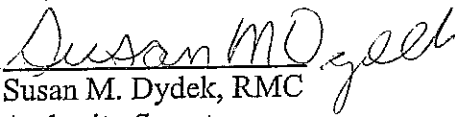
Motion made by Mr. Van Meter, seconded by Mr. Conard that all bills and expenditures be paid carried.

PUBLIC PORTION (INFORMATIONAL):

Chairman Haman opened the Public Portion.

In seeing that no members of the Public wished to speak, motion made by Mr. Horton and Mr. Mingin: Public Portion be closed.

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


Susan M. Dydek, RMC
Authority Secretary

