

Monday Afternoon
Riverside, NJ
August 8, 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, and Horton along with Authority Secretary Susan M. Dydek, Treasurer Meghan Jack, Superintendent Joseph Bader, Assistant Superintendent Jeffrey Conard and Consultant Orfe.

APPROVAL OF MINUTES:

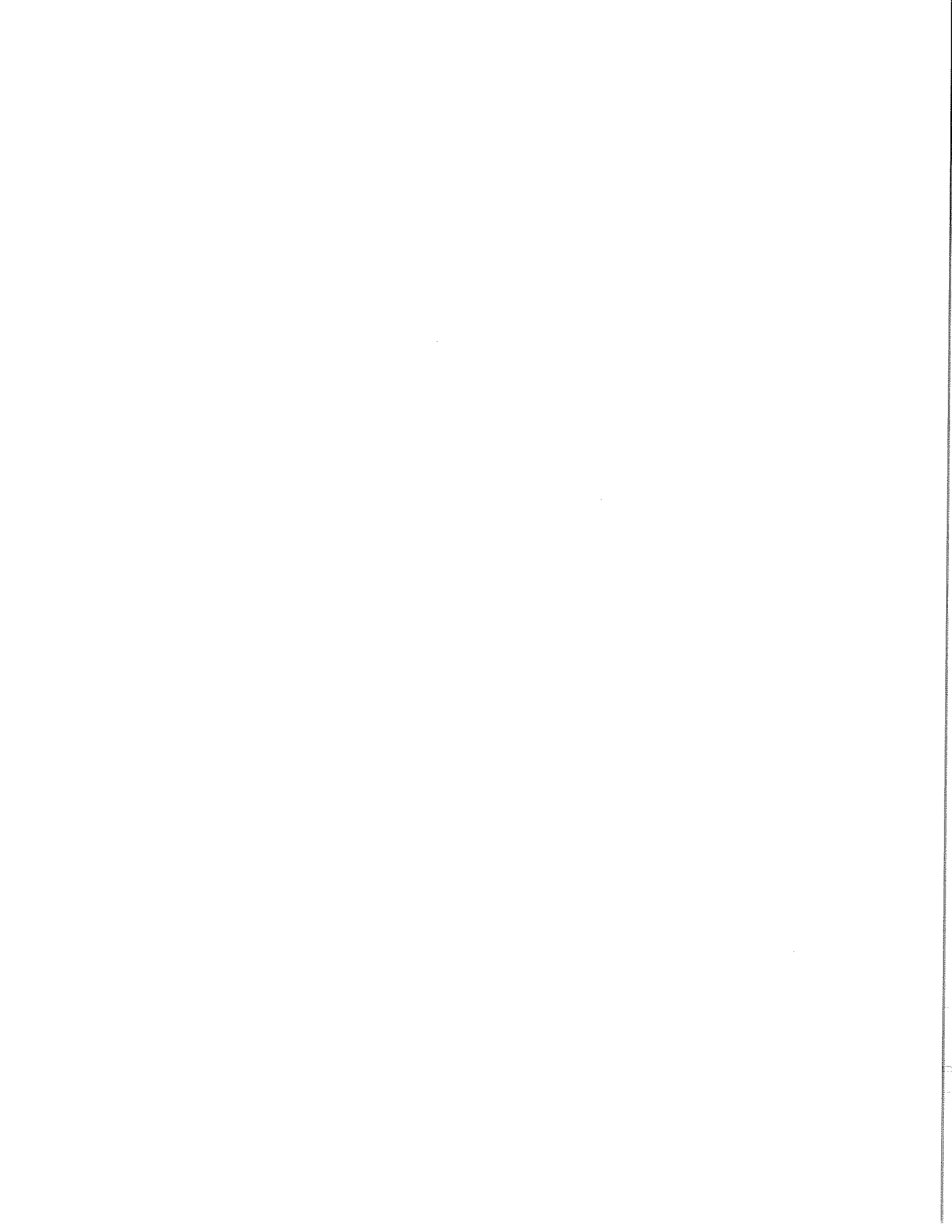
Motion made by Mr. Horton and Mr. Mingin that the minutes of the Work Session Meeting of July 11, 2016 and the Regular Meeting of July 11, 2016 be approved as written carried.

PUBLIC PORTION – (TECHNICAL):

In seeing that there were no members of the public wishing to speak, the Technical Portion was not opened.

OLD BUSINESS:

- 1) Flood Insurance – The Flood Elevation Certificates for the Sewer Plant Buildings were discussed. A proposal from Pennoni Engineering in the amount of \$4,800.00 was received. **Motion made by Messrs. Horton and Mingin to table this item carried. Motion tabled.**
- 2) Remy Investments – An email was received from Vincent Di Maio on behalf of Remy Investments seeking a refund adjustment. **Mr. Horton made a motion to deny the request seconded by Mr. Mingin carried. Motion denied.**



NEW BUSINESS:

- 1) Review the Bylaws and Resolutions of the Riverside Sewerage Authority – **Motion made by Mr. Horton to table this discussion until all the members of the Authority are present, seconded by Mr. Mingin carried. Motion tabled.**
- 2) Jose Henriques – 322 Progress Street – Raw sewerage coming out of cap.
- 3) Jefferson Costa – 401 Cleveland Avenue – Sewer backing up into house.
- 4) Robin Vogelbacker – 506 Bridgeboro Street – Sewer backing up into street.

ACTION:

None.

CORRESPONDENCE:

- 1) State of New Jersey – Department of Environmental Protection – One-Year Extension of Time Treatment Works Approval No. 12-0299, The Mill at Riverside, Riverside Twp. Burlington County..

REPORTS:**PLANT:**

Mr. Mingin reported that everything at the Plant is going well.

APPEALS:

Mr. Horton reported that Attorney Serlin will finalize and complete the ongoing appeals from Remy Investments.

REVENUE AND FINANCE:

Mr. Haman was not in attendance.

STREETS:

Mr. Van Meter had no report.

SUPERINTENDENT'S REPORT:

Superintendent Bader reported on the following: a quote was received to purchase a new 75kW generator from Industrial Valley in the amount of \$34,000.00; this must go out to bid, a sink hole was located near a storm covert on the corner of Pavilion Avenue and Hancock Street the mains were not affected and a sinkhole was located near a storm covert on the corner of Second and Fairview Streets and the mains were unaffected. The Township was notified of all the sinkholes.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – August 8, 2016**

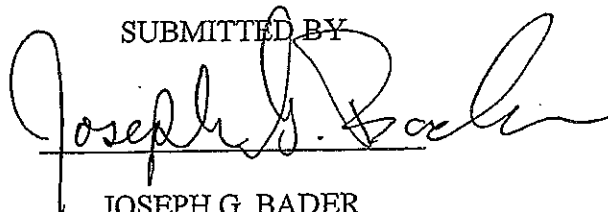
1. The Plant Performance Summary for June, 2016 is attached for review. There were no violations during this report period. Residuals [Sludge] Management Summary for June, 2016 is also attached for review. Dewatered sludge [50yds] was removed by the Woolston Company for composting at the County facility.
2. The Trouble Log Summary for July, 2016 is attached for review.
3. The Line Maintenance Summary for July, 2016 is attached for review.
4. The Activities Report for July/August, 2016 is attached for review.
5. Measurements taking on August 3, 2016 for Secondary Digester Dome are North 23", South 27", East 23", and West 27". 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. 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. A quote [\$34,750] to purchase a new 75 kW generator was received from Industrial Valley. The quote is for a diesel. The quote for natural gas may be [\$3,000.00] cheaper. [The quote is attached for review].
7. A sink hole located near a storm covert on the corner of Pavilion St and Hancock St was investigated. The mains on Pavilion St and Hancock St were unaffected. The Township Administrator was notified.
8. A sink hole located in front of 602 Greenwood Avenue was investigated. The homeowners lateral had appeared to have been damaged by someone clearing the lateral. The damaged to the homeowners lateral affected the integrity of their connection to the main and the road surface. The Homeowner of 602 Greenwood Avenue was notified of the findings and their responsibility for the repairs.
9. A sink hole located near a storm covert on the corner of 2nd St and Fairview St was investigated. The mains on 2nd St and Fairview St were unaffected. The Township Administrator was notified.
10. 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.
11. The SCADA replacement has not started at this time.
12. The semi-annual DRBC East End Maintenance records for 2016 were emailed to Pennoni.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
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13. In July the Senior Loss Control Consultant for J.A Montgomery was onsite to review RSA's Plant Safety Program for safety issues. The Consultant suggested three safety corrections to the Laboratory area. Currently two of the three suggested corrections have been address. The last correction will be completed before the end of August.
14. Raw Sewer Pump #2 was not operating correctly and was removed from service. The out of service case number was 160726111926. Municipal Maintenance was contacted to troubleshoot the issue. Municipal Maintenance found a small obstruction in the starter contacts for the Raw Sewer Pump VFD drive. Raw Sewer Pump #2 is now operating as designed and was returned to service. The returned to service case number was 160726141145.
15. CF #2 was taking out of service for repairs. The scraper arm was hanging up on the scum beach. The out of service case number was 160714082326. The work to the CF #2 scrapper arm has been completed. The CF was returned to service and is operating as designed. The returned to service case number was 160726111626.
16. Pennoni Associates were onsite August 5, 2016 to survey the Primary Digester area for the mixer replacement project.
17. The new Authority F350 was picked up from Winner Ford.
18. An employee accidently damaged the Mechanical Room wall in the Building #1 Garage while parking the S4 truck. Pennoni Associates was onsite to investigate the integrity of the wall and confirmed the integrity was not compromised. An investigation form was completed.

SUBMITTED BY



JOSEPH G. BADER
SUPERINTENDENT

PLANT PERFORMANCE SUMMARY

June 2016

PARAMETER	PERMIT	REPORTED	PARAMETER	PERMIT	REPORTED
FLOW EFFLUENT			NITRATE (AS N) EFFLUENT		
Monthly Avg	Report	0.41 MGD	Mon Avg Conc	Report	19.90 MG/L
Daily Maximum	Report	0.57 MGD	Daily Max Conc	Report	19.90 MG/L
5 DAY BOD INFLUENT			E. COLI		
Mon Avg Conc	Report	197.00 MG/L	Monthly Avg	Report	6.32 /100ML
Weekly Avg Conc	Report	213.00 MG/L	Instant Max	Report	10.00 /100ML
5 DAY BOD EFFLUENT			FECAL COLIFORM EFFLUENT		
Mon Avg Loading	98 KG/D	3.89 KG/D	Monthly Avg	200/100ML	6.32 /100ML
Weekly Avg Loading	147 KG/D	4.36 KG/D	Weekly Avg	400/100ML	10.00 /100ML
Mon Avg Conc	30 MG/L	2.47 MG/L	BIOASSAY EFFLUENT		
Weekly Avg Conc	45 MG/L	2.60 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%	98.7 %	CHLORINE PRODUCED OXIDANTS EFFLUENT		
PH INFLUENT			Mon Avg Conc	Report	0.30 MG/L
Minimum	Report	6.88 S.U.	Daily Max Conc	Report	0.30 MG/L
Maximum	Report	7.36 S.U.	TEMPERATURE INFLUENT		
PH EFFLUENT			Minimum	Report	20.40 DEG C
Minimum	6.00 S.U.	6.15 S.U.	Monthly Avg	Report	22.40 DEG C
Maximum	9.00 S.U.	6.97 S.U.	Maximum	Report	23.80 DEG C
TOTAL SUSP SOLIDS INFLUENT			TEMPERATURE EFFLUENT		
Mon Avg Conc	Report	138.67 MG/L	Minimum	Report	20.20 DEG C
Weekly Avg Conc	Report	141.00 MG/L	Monthly Avg	Report	22.69 DEG C
TOTAL SUSP SOLIDS EFFLUENT			Maximum	Report	24.30 DEG C
Mon Avg Loading	113 KG/D	13.28 KG/D	DISSOLVED OXYGEN EFFLUENT		
Weekly Avg Loading	170 KG/D	18.17 KG/D	Wkly Avg Conc [Min]	4.0 MG/L	4.30 MG/L
Mon Avg Conc	30 MG/L	22.71 MG/L	PHOSPHOROUS EFFLUENT		
Weekly Avg Conc	45 MG/L	10.00 MG/L	Mon Avg Conc	Report	6.70 MG/L
TOTAL SUSP SOLIDS REMOVAL EFFICIENCY			Weekly Avg Conc	Report	6.70 MG/L
Mon Avg Minimum	85.0%	94.30 %	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	2.00 MG/L	ZINC EFFLUENT		
AMMONIA NITROGEN (MAY-OCT) EFFLUENT			Mon Avg Conc	Report	Code=N MG/L
Mon Avg Loading	18.8 KG/D	0.1649 KG/D	Daily Max Conc	Report	Code=N MG/L
Daily Max Loading	37.9 KG/D	0.1908 KG/D			
Mon Avg Conc	5 MG/L	0.1067 MG/L			
Daily Max Conc	10 MG/L	0.1400 MG/L			

Code=N Not Required This Monitoring Period

RESIDUALS MANAGEMENT SUMMARY

June 2016

SLUDGE PRODUCED		RAW SLUDGE	
Total Gallons	90,300.00 gal	% Total Solids, minimum	2.24 %
Average Gallons/Day	3,010.00 gpd	% Total Solids, average	2.39 %
Total Dry Tons	8.98 dt	% Total Solids, maximum	2.62 %
Average Dry Tons/ Day	0.30 dt/d	% Total Volatile Solids, minimum	77.83 %
Total Metric Tons	7.80 dmt	% Total Volatile Solids, average	79.40 %
Average Metric Tons/Day	0.27 mt/d	% Total Volatile Solids, maximum	80.90 %
		pH minimum	4.67 s.u.
		pH maximum	6.57 s.u.
LIQUID SLUDGE REMOVED		sludge sample temperature, min	21.20 C
Total Gallons	0.00 gal	sludge sample temperature, avg	23.58 C
Average Gallons/Day	0.00 gpd	sludge sample temperature, max	27.50 C
Total Dry Tons	N.R. dt		
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	1.52 %
% Total Solids, Minimum	0.00 %	% Total Solids, average	2.40 %
% Total Solids, Average	0.00 %	% Total Solids, maximum	3.37 %
% Total Solids, Maximum	0.00 %	% Total Volatile Solids, minimum	69.73 %
pH, Minimum	0.00 s.u.	% Total Volatile Solids, average	71.78 %
pH, Maximum	0.00 s.u.	% Total Volatile Solids, maximum	74.57 %
		pH minimum	6.83 s.u.
		pH maximum	7.08 s.u.
DEWATERED SLUDGE REMOVED		sludge sample temperature, min	29.00 C
Total Gallons to Belt Press	0.00 gal	sludge sample temperature, avg	34.91 C
Average Gallons/Day	0.00 gpd	sludge sample temperature, max	39.00 C
% Total Solids, minimum	15.73 %		
% Total Solids, average	15.82 %		
% Total Solids, maximum	15.90 %	SECONDARY DIGESTER SLUDGE	
% Total Volatile Solids, minimum	74.08 %	% Total Solids, minimum	0.79 %
% Total Volatile Solids, average	74.46 %	% Total Solids, average	2.28 %
% Total Volatile Solids, maximum	74.83 %	% Total Solids, maximum	3.49 %
Total Cubic Yards Removed	50.00 cu yd	% Total Volatile Solids, minimum	65.82 %
Average Cubic Yards/Day	1.67 cy/d	% Total Volatile Solids, average	69.74 %
Total Dry Tons	6.25 dt	% Total Volatile Solids, maximum	71.92 %
Average Dry Tons/ Day	0.21 dt/d	pH minimum	6.89 s.u.
Total Dry Metric Tons	5.68 dmt	pH maximum	9.82 s.u.
Average Dry Metric Tons /day	0.19 mt/d	sludge sample temperature, min	23.60 C
		sludge sample temperature, avg	25.42 C
		sludge sample temperature, max	26.60 C
OPERATIONS			
Heat Exchange, Temp In, min	104 F	VOLATILE SOLIDS REDUCTION	
Heat Exchange, Temp In, avg	107 F	Raw to Secondary Digester, minimum	27.04 %
Heat Exchange, Temp In, max	118 F	Raw to Secondary Digester, average	38.93 %
Heat Exchange, Temp Out, min	105 F	Raw to Secondary Digester, maximum	54.54 %
Heat Exchange, Temp Out, avg	108 F		
Heat Exchange, Temp Out, max	110 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

July 2016 Trouble Log Summary

<u>Date</u>	<u>Report #</u>	<u>Address</u>	<u>Condition(s) Reported</u>	<u>Condition(s) Found</u>	<u>Disposition</u>
7/1/2016	2016-060	401 CLEVELAND AVE	Backflow into property	Main clear	Notified owner/tenant
7/5/2016	2016-061	504 JEFFERSON ST	Odor complaint	Source not determined	Notified owner/tenant
7/11/2016	2016-062	224 PROGRESS ST	Vent overflow	Lateral blocked	Notified owner/tenant
7/11/2016	2016-063	401 CLEVELAND AVE	Backflow into property	Main clear	Notified owner/tenant
7/16/2016	2016-064	224 PROGRESS ST	Vent overflow	Lateral blocked	Notified owner/tenant
7/17/2016	2016-065	PAVILION AND HANCOCK	Road depression	Other	Other
7/19/2016	2016-066	602 GREENWOOD AVE	Road depression	Lateral broken/damaged	Repair/replace/disconnect lateral
7/20/2016	2016-067	630 POLK ST	Vent overflow	Source not determined	Notified owner/tenant
7/23/2016	2016-068	502 BRIDGEBORO ST	Vent overflow	Lateral blocked	Notified owner/tenant
7/24/2016	2016-071	131 BRIDGEBORO ST	Vent overflow	Lateral blocked	Notified owner/tenant
7/24/2016	2016-072	224 PROGRESS ST	Vent overflow	Lateral blocked	Notified owner/tenant
7/24/2016	2016-073	700 BRIDGEBORO ST	Vent overflow	Lateral blocked	Notified owner/tenant
7/27/2016	2016-069	2ND STREET AND FAIRVIEW ST	Road depression	Lateral blocked	Notified owner/tenant
7/28/2016	2016-070	506 BRIDGEBORO ST	Vent overflow	Storm sewer/catch basin	Other
7/29/2016	2016-074	MIDDLETON AND PAINE	Odor complaint	Locate Vent	Notified owner/tenant
7/29/2016	2016-075	131 BRIDGEBORO ST	Vent overflow	Other	Notified Superintendent
				Lateral blocked	Notified owner/tenant

July 2016 Line Maintenance Summary

Date	Report #	Location	Section	Diameter	Distance	Remarks
7/5/2016	2016-014	Middleton St.	172-177	8"	241	GRIT, ROOTS AND RAGS
7/7/2016	2016-015	Madison St.	51-49	8"	195	GREASE AND GRIT
7/11/2016	2016-016	Progress St.	218-219	8"	327	GRIT AND GREASE
7/12/2016	2016-017	Sylvan St.	380-379	8"	300	GRIT, GREASE AND ROOTS
7/12/2016	2016-018	Sylvan St.	216-380	8"	300	GRIT , GREASE AND ROOTS
7/20/2016	2016-019	Greenwood Ave.	265-264	8"	200	GRIT, GREASE AND ROCKS
7/21/2016	2016-020	Hooker St. Station				GRIT
7/21/2016	2016-021	Hooker St.	374-373	8"	327	ROCKS & GRIT
7/21/2016	2016-022	Paine St.	211-207	8"	317	GRIT & ROCKS
7/21/2016	2016-023	Paine St.	214-211	8"	311	GRIT & ROCKS
7/21/2016	2016-024	Hooker St.	214-230	8"	182	GRIT & ROCKS
7/21/2016	2016-025	Hooker St.	213-214	8"	240	GRIT AND ROCKS

RIVERSIDE SEWERAGE AUTHORITY
PO BOX 188
RIVERSIDE, NJ 08075

Office (856) 461-1460

Plant (856) 461-0700

Fax (856) 461-0428

ACTIVITIES REPORT July/August 2016

John J. attended Street sweeper training with Westhampton Township.

M&N Associates was contacted to repair a broken lateral on Middleton St.

Joe C. took the Road Test for a CDL. Unfortunately he did not pass. The retest is scheduled for September.

Pennoni Associates was emailed a quotation request for an Elevation Certification on 6 buildings for the Flood Insurance.

The quarterly commercial and residential meter readings were recorded and submitted to Cheryl.

Municipal Maintenance was onsite for an estimate to install a davit at Hooker St Pump Station.

Inspected an overflowing lateral located at 224 Progress St. The house may be abandon. The Township will try to locate the owners. The main for Progress St. is clear.

Maintenance was performed on CF #2. The scraper arm squeegee was replaced.

CF #2 was taking out of service for repairs. The scraper arm is hanging up on the scum beach. The out of service case number is 160714082326.

A sink hole located near a storm covert on the corner of Pavilion St and Hancock St was investigated. The main on Pavilion St and Hancock St were unaffected. The Township Administrator was notified.

A sink hole located in front of 602 Greenwood Avenue was investigated. The homeowners lateral has appeared to have collapses causing damage to the main and the road surface. The Homeowner of 602 Greenwood Avenue was notified of the findings and their responsibility for the repairs.

An employee accidently damaged the Mechanical Room wall in the Building #1 Garage while parking the S4 truck. Pennoni Associates was onsite to investigate the integrity of the wall and confirmed the integrity was not compromised. An investigation form was completed.

The new Authority F350 was picked up from Winner Ford.

The work on the CF #2 scrapper arm was continued.

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

RIVERSIDE SEWERAGE AUTHORITY
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Plant (856) 461-0700

Fax (856) 461-0428

The quote to replace the 75kW generator has been received.

Willier Electric was contacted to troubleshoot a Proximity Sensor issue with the Belt Filter Press. The Belt Filter will generate a broken belt alarm and shut down.

The work to the CF #2 scrapper arm has been completed. The CF was returned to service and is operating as designed. The returned to service case number was 160726111626.

A sink hole located near a storm covert on the corner of 2nd St and Fairview St was investigated. The main on 2nd St and Fairview St were unaffected. The Township Administrator was notified.

Raw Sewer Pump #2 was not operating correctly and was removed from service. The out of service case number was 160726111926. Municipal Maintenance has been contacted to troubleshoot the issue.

Municipal Maintenance found a small obstruction in the starter contacts for the Raw Sewer Pump VFD drive. Raw Sewer Pump #2 is now operating correctly and was returned to service. The returned to service case number was 160726141145.

The 2nd Quarter NANI Report, the June RTR and the 2nd Quarter Residual Report were emailed to the Burlington County Landfill.

Mt Laurel MUA was onsite to unload some debris from their Jet/Vac.

Spoke to Pennoni Associates about the survey for the Elevation Certificates for the flood insurance.

The emailed quotation for the Elevation Certificates from Pennoni Associates was received.

The semi-annual DRBC East End Maintenance records for 2016 were emailed to Pennoni.

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

ASSISTANT SUPERINTENDENT:

Assistant Superintendent Jeffrey Conard reported that the new Ford F350 truck is in however, the lights still need to be installed. Line Maintenance was performed in the Middle Section of the Township however, the men must go back to the East End Section. Two (2) manholes were replaced, one (1) and Hooker and Pine Streets and one (1) at Pine and Sylvan Streets.

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 had no report.

MONTHLY FINANCIAL REPORT:

Treasurer Jack reported that Auditor has provided her with the 2015 Synopsis, and the bill list has been distributed.

Motion made by Mr. Horton and Mr. Van Meter to accept all reports as read, carried.

BILLS AND EXPENDITURES:


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

PUBLIC PORTION (INFORMATIONAL):

Vice - Chairman Conard opened the Public Portion.

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

There being no further business to attend to, motion made by Mr. Conard and Mr. Mingin the meeting be adjourned, and so declared by Vice - Chairman Conard.


Susan M. Dydek, RMC
Authority Secretary