

Monday Afternoon
Riverside, NJ
July 9, 2018
Regular Meeting
4:40pm

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 21, 2018.
2. Written notice was delivered to the Burlington County Times and the Courier Post on February 21, 2018.
3. Filed written notice with the Clerk of the Township of Riverside on February 21, 2018.

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.

Superintendent Joseph Bader and Treasurer Jack were not in attendance.

RESOLUTIONS:

The Authority stated that they want a breakdown of all the fees before approving Resolution 2018-#23.

Mr. Horton made a motion to table Resolution 2018-#23 entitled, "A Resolution of the Riverside Sewerage Authority Authorizing a Change Order for Professional Services for the Foxboro SCADA System Replacement" seconded by Mr. Conard. Upon roll call, the vote was as followed: Ayes – Messrs. Mingin, Van Meter, Conard, Horton and Haman. Nays – None. Motion tabled.

Mr. Horton made a motion to approved Resolution 2018-#24 entitled, "A Resolution of the Riverside Sewerage Authority Authorizing a Change Order for Professional Services for the Primary Anaerobic Sludge Digester Mixer and Trickling Filter Project" seconded by Mr. Conard. Upon roll call, the vote was as followed: Ayes – Messrs. Conard, Mingin, Van Meter, Horton and Haman. Nays – None. Motion carried.



RESOLUTION 2018-#24

A RESOLUTION OF THE RIVERSIDE SEWERAGE AUTHORITY
AUTHORIZING A CHANGE ORDER FOR PROFESSIONAL SERVICES FOR THE
PRIMARY ANAEROBIC SLUDGE DIGESTER MIXER
AND TRICKLING FILTER PROJECT.

WHEREAS, the Riverside Sewerage Authority awarded a Professional Services Contract to Pennoni Engineering; and

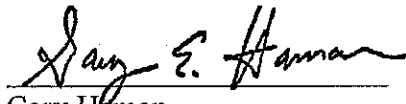
WHEREAS, the original project estimate and estimated professional service fee was developed in January 2016 with scope revisions to include the trickling filter in February 2017; and

WHEREAS, Unforeseen circumstances resulted in unanticipated field conditions and coordination with the NJDEP for the Environmental Infrastructure Bank Loan process and Authority approved Change Order Requests.

NOW, THEREFORE BE IT RESOLVED, that the Riverside Sewerage Authority wishes to approve the following change to the original contract:

Change Order #2 (increase): \$7,924.00
Total Professional Fees: \$108,000.00

Adopted at the regular meeting of the Riverside Sewerage Authority on June 11, 2018.



Gary Haman
Chairman



Susan M. Dydek RMC
Authority Secretary

APPROVAL OF MINUTES:

Motion made by Mr. Horton and Mr. Mingin that the minutes of the Work Session Meeting of June 11, 2018 be approved as written and the minutes of the Regular Meeting of June 11, 2018 be approved as written carried.

PUBLIC PORTION – (TECHNICAL):

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

OLD BUSINESS:

None.

NEW BUSINESS:

- 1) Atma Ent Raj – 221 S. Pavilion Avenue – Sewer coming out into street. (Received 6-1-18)
- 2) Luso Management, Jennifer – 209 Bridgeboro Street – Vent overflowing. (Received 6-6-18)
- 3) Jack Fenimore – 219 St. Mihiel Drive – Sewer backing up into building. (Received 6-7-18)
- 4) Bruce Biddle – 211 Paine Street – Sewerage backing up into the house. (Received 6-14-18)
- 5) Christina – 331 Bem Street – Check outside main. (Received 6-25-18)
- 6) (No name) – 643 Taylor Street – Manhole Issue, bad odor.

ACTION:

- 1) Sabag Investments – 220 South Pavilion Avenue – Appeal – Change billing status from one (1) commercial units and thirteen (13) residential units to one (1) commercial unit and two (2) residential units (as per the Joint Land Use Code Regulations.) **(Previously tabled on May 14, 2018)** **Motion made by Messrs. Horton and Conard to table this item until the October Meeting since the Zoning Board will meet after the Authority Meeting in September.**

CORRESPONDENCE:

- 1) Grace Marmero & Associates, LLP – Workplace Democracy Enhancement Act & Paid Sick Leave.
- 2) Porzio Bromberg & Newman P.C. – Notice of Public Hearing Township of Delran Zoning Board of Adjustment.
- 3) Sharon Maher, Paramount Drugs – Reduction of residential billing units. **Motion made by Messrs. Horton and Mingin instructing Ms. Maher to file an appeal carried.**
- 4) Riverside Middle School – Thank you for George F. Conard Sr. Award.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING – July 9, 2018**

1. The Plant Performance Summary for May, 2018 is attached for review. There were no violations during this reporting period. The Residuals [Sludge] Management Summary for May, 2018 is also attached for review. Dewatered sludge [25 yds] was removed by the Woolston Company for composting at the County facility. Sludge processing with the Belt Filter Press has increased due to the Primary Digester being out of service.

2. The Trouble Log Summary for June, 2018 is attached for review.

One Property was reported to the NJDEP for a lateral vent overflow this reporting period. A manhole was reported to the NJDEP for a overflow.

- a. 213 Delaware Avenue. NJDEP Case #180610125406.
- b. MH 28 on American Legion Drive. NJDEP Case #180619210549.

208 1/2 Hooker Street report a backup into the property. The backup was not sewage from the collection main, but ground water from a Catch Basin issue with the Hooker Street Storm Water Pump Station.

3. There is no Line Maintenance Summary for June, 2018 attached for review.

4. The Activities Report for June/July 2018 is attached for review.

5. Measurements taking on July 6, 2018 for the Secondary Digester are North 12 1/2", South 17 7/8", East 13", and West 18". There is a 5.5" 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. 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 site meeting with ABS Electric and a Penonni Engineer will be scheduled for the week of July 16, 2018 to review the punchlist items for the SCADA Project.

7. The Hooker Street Pump Station experienced an Emergency condition due to a failure with the Hooker Street Pond Pump Station. Storm drains at the corner of Pine St. and Hooker St. backed up, flooding the area, which caused an infiltration condition. The Hooker Street Pump Station pumps could not keep pace with this infiltration condition.

8. A depression located near the lateral cleanout for 625 Chester Avenue was inspected. It's my opinion the lateral for the property needs to be repaired. The Property Owner was notified of my opinion. [Photo attached for review].

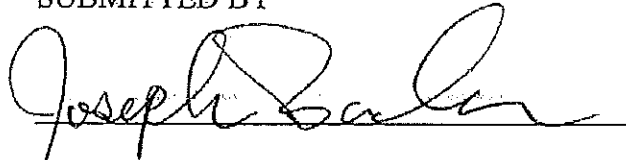
9. First Environment, Inc. was onsite to conduct the Environmental JIF audit for the Authority.

10. J. A. Montgomery was onsite to conduct a JIF audit for the Authority.

**RIVERSIDE SEWERAGE AUTHORITY
PLANT OPERATOR'S REPORT
AUTHORITY MEETING - July 9, 2018**

11. Sand Filter # 2 was removed from Service. The NJDEP case number is 180702105115. An airlift requires repairs. The Welder John Esposito was contacted to repair the damaged airlift and construct four new airlifts.
12. Pump #1 for Pump Station #2 rebuild was awarded to Willier Electric. The pump has not returned from the repairs as of the writing of this report.
13. The Primary Digester Roto Mix system was placed into service in the manual mode and has been recirculating. All Plant employees were in attendance for training on the new Burner System for the Primary Digester Biogas. A Pennoni Engineer was onsite for the training on the new Burner System for the Primary Digester Biogas. The completion of the punch list by Clyde Lattimer & Son Construction still remains. [The NJDEP out of service case #is 171206092456].
14. Grit Chamber #1 [The NJDEP out of service case # is 170411125541] is still out of service as of the writing of this report. There was an issue founded with the Drive Chain Gear. The gear is not the correct gear for Grit Chamber #1. The gear that was sent is for Grit Chamber #2. A new 10 T Sprocket for Grit Chamber #1 was ordered from Sherwood Logan.
15. The conveyor parts required to rebuild Grit Conveyor #2 were received from Pyrz. Three quotations will be requested for the repairs when Grit Chamber #1 is returned to service.
16. Paul's Tree Service has completed the removal of the damaged trees.

SUBMITTED BY



JOSEPH G. BADER
SUPERINTENDENT

PLANT PERFORMANCE SUMMARY

May 2017

PARAMETER	PERMIT	REPORTED	PARAMETER	PERMIT	REPORTED
FLOW, INFLUENT			NITRATE (AS N), EFFLUENT		
Monthly Avg	Report	0.88 MGD	Mon Avg Conc	Report	23.50 MG/L
Daily Maximum	Report	1.13 MGD	Daily Max Conc	Report	23.50 MG/L
FLOW, EFFLUENT			E. COLI		
Monthly Avg	Report	0.41 MGD	Monthly Avg	Report	4.00 /100ML
Daily Maximum	Report	0.56 MGD	Instant Max	Report	4.00 /100ML
5 DAY BOD, INFLUENT			FECAL COLIFORM, EFFLUENT		
Mon Avg Conc	Report	150.67 MG/L	Monthly Avg	200/100ML	2.00 /100ML
Weekly Avg Conc	Report	173.00 MG/L	Weekly Avg	400/100ML	2.00 /100ML
5 DAY BOD, EFFLUENT			BIOASSAY, EFFLUENT		
Mon Avg Loading	98 KG/D	14.49 KG/D	LC50 96 hr Acute	50%	Code=N %
Weekly Avg Loading	147 KG/D	17.90 KG/D	IC25 7 day Chronic	Report	Code=N %
Mon Avg Conc	30 MG/L	9.27 MG/L	CHLORINE PRODUCED OXIDANTS, EFFLUENT		
Weekly Avg Conc	45 MG/L	10.70 MG/L	Mon Avg Conc	Report	0.01 MG/L
5 DAY BOD REMOVAL EFFICIENCY			Daily Max Conc	Report	0.00 MG/L
Mon Avg Minimum	88.5%	93.81 %	TEMPERATURE, INFLUENT		
pH, INFLUENT			Minimum	Report	17.20 DEG C
Minimum	Report	6.99 S.U.	Monthly Avg	Report	19.36 DEG C
Maximum	Report	7.67 S.U.	Maximum	Report	21.00 DEG C
pH, EFFLUENT			TEMPERATURE, EFFLUENT		
Minimum	6.00 S.U.	6.13 S.U.	Minimum	Report	17.30 DEG C
Maximum	9.00 S.U.	7.14 S.U.	Monthly Avg	Report	19.91 DEG C
TOTAL SUSP SOLIDS, INFLUENT			Maximum	Report	21.50 DEG C
Mon Avg Conc	Report	89.67 MG/L	DISSOLVED OXYGEN, EFFLUENT		
Weekly Avg Conc	Report	142.00 MG/L	Wkly Avg Conc [Min]	4.0 MG/L	6.29 MG/L
TOTAL SUSP SOLIDS, EFFLUENT			PHOSPHOROUS, EFFLUENT		
Mon Avg Loading	113 KG/D	26.50 KG/D	Mon Avg Conc	Report	5.50 MG/L
Weekly Avg Loading	170 KG/D	30.73 KG/D	Weekly Avg Conc	Report	5.50 MG/L
Mon Avg Conc	30 MG/L	17.33 MG/L	COPPER, EFFLUENT		
Weekly Avg Conc	45 MG/L	22.00 MG/L	Mon Avg Conc	Report	Code=N MG/L
TOTAL SUSP-SOLIDS REMOVAL EFFICIENCY			Daily Max Conc	Report	Code=N MG/L
Mon Avg Minimum	85.0%	77.55 %	ZINC, EFFLUENT		
OIL&GREASE, EFFLUENT			Mon Avg Conc	Report	Code=N MG/L
Mon Avg Conc	10 MG/L	1.40 MG/L	Daily Max Conc	Report	Code=N MG/L
Daily Max Conc	15 MG/L	1.40 MG/L	Total Dissolved Solids		
AMMONIA NITROGEN (MAY-OCT), EFFLUENT			Mon Avg Conc	Report	425.00 MG/L
Mon Avg Loading	18.8 KG/D	0.0773 KG/D	Daily Max Conc	Report	425.00 MG/L
Daily Max Loading	37.9 KG/D	0.0836 KG/D			
Mon Avg Conc	5 MG/L	0.0500 MG/L			
Daily Max Conc	10 MG/L	0.0500 MG/L			

Code = N Not Required This Monitoring Period
 LC50 96 hr Acute Required 1/6months
 IC25 7 day Chronic Required 1/ 12 Monthes

SLUDGE PRODUCED		RAW SLUDGE	
Total Gallons	186600.00 gal	% Total Solids, minimum	2.30 %
Average Gallons/Day	6019.35 gpd	% Total Solids, average	2.00 %
Total Dry Tons	15.55 dt	% Total Solids, maximum	2.20 %
Average Dry Tons/ Day	0.50 dt/d	% Total Volatile Solids, minimum	90.00 %
Total Metric Tons	14.12 mt	% Total Volatile Solids, average	82.31 %
Average Metric Tons/Day	0.46 mt/d	% Total Volatile Solids, maximum	86.42 %
Total Wet Cu yards a Month	25.00 WCYM	pH minimum	4.91 s.u.
LIQUID SLUDGE REMOVED		pH maximum	6.03 s.u.
Total Gallons	0.00 gal	sludge sample temperature, min	17.90 C
Average Gallons/Day	0.00 gpd	sludge sample temperature, avg	20.56 C
Total Dry Tons	N.R. dt	sludge sample temperature, max	32.70 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	3.00 %
% Total Solids, Minimum	0.00 %	% Total Solids, average	0.81 %
% Total Solids, Average	0.00 %	% Total Solids, maximum	2.00 %
% Total Solids, Maximum	0.00 %	% Total Volatile Solids, minimum	86.67 %
pH, Minimum	s.u.	% Total Volatile Solids, average	75.31 %
pH, Maximum	s.u.	% Total Volatile Solids, maximum	81.27 %
		pH minimum	4.62 s.u.
DEWATERED SLUDGE REMOVED		pH maximum	5.86 s.u.
Total Gallons to Belt Press	186600.00 gal	sludge sample temperature, min	21.40 C
Average Gallons/Day	6019.35 gpd	sludge sample temperature, avg	30.02 C
% Total Solids, minimum	23.50 %	sludge sample temperature, max	34.30 C
% Total Solids, average	22.10 %		
% Total Solids, maximum	22.77 %	SECONDARY DIGESTER SLUDGE	
% Total Volatile Solids, minimum	88.24 %	% Total Solids, minimum	1.50 %
% Total Volatile Solids, average	87.34 %	% Total Solids, average	1.20 %
% Total Volatile Solids, maximum	87.75 %	% Total Solids, maximum	1.37 %
Total Wet Cubic Yards	25.00 cu yd	% Total Volatile Solids, minimum	80.00 %
Average Wet Cubic Yards	0.81 cy/d	% Total Volatile Solids, average	77.50 %
Total Dry Tons	NA dt	% Total Volatile Solids, maximum	78.69 %
Average Dry Tons/ Day	NA dt/d	pH minimum	4.84 s.u.
Total Dry Metric Tons	3.97 mt	pH maximum	5.03 s.u.
Average Dry Metric Tons	0.13 mt/d	sludge sample temperature, min	23.20 C
		sludge sample temperature, avg	25.73 C
OPERATIONS		sludge sample temperature, max	27.60 C
Heat Exchange, Temp In, min	88.00 F		
Heat Exchange, Temp In, avg	95.03 F	VOLATILE SOLIDS REDUCTION	
Heat Exchange, Temp In, max	101.00 F	Raw to Secondary Digester, minimum	59.26 %
Heat Exchange, Temp Out, min	90.00 F	Raw to Secondary Digester, average	14.03 %
Heat Exchange, Temp Out, avg	96.35 F	Raw to Secondary Digester, maximum	40.55 %
Heat Exchange, Temp Out, max	103.00 F		
Detention Time, Primary Digester	19.94 days		
Detention Time, Secondary Digester	16.61 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 2018 Trouble Log Summary

Date	Report #	Address	Condition(s) Reported	Condition(s) Found	Disposition
6/1/2018	2018-084	225 SOUTH PAVILLION AVENUE	Vent overflow	Main clear	Notified owner/tenant
6/6/2018	2018-085	209 BRIDGEBORO STREET	Vent overflow	Main clear	Notified owner/tenant
6/7/2018	2018-086	219 SAINT MIHIEL DRIVE	Backflow into property	Source not determined	Notified owner/tenant
6/8/2018	2018-087	33 LAFAYETTE STREET	Backflow into property	Main clear	Notified owner/tenant
6/10/2018	2018-088	213 DELAWARE AVENUE	Vent overflow	Main slow	Flush/vac/root cut sewer main
6/11/2018	2018-089	208 1/2 HOOKER STREET	Backflow into property	Storm sewer/catch basin	Notified owner/tenant
6/13/2018	2018-090	705 HENRY STREET	Markout request	Main clear	Markout main/lateral/vent
6/14/2018	2018-091	211 PAINE STREET	Slow/no drainage	Main clear	Notified owner/tenant
6/18/2018	2018-092	625 CHESTER AVENUE	Other	Source not determined	Notified owner/tenant
6/18/2018	2018-093	100 BLOCK RANCOCAS AVENUE	Line inspection	Main slow	Flush/vac/root cut sewer main
6/18/2018	2018-094	311 DAUPHIN STREET	Markout request	Main clear	Markout main/lateral/vent
6/19/2018	2018-095	LINCOLN	Manhole overflow	Main slow	Flush/vac/root cut sewer main
6/20/2018	2018-096	409 SAINT MIHIEL DRIVE	Fixture backup/overflow	Main clear	Notified owner/tenant
6/20/2018	2018-097	209 BRIDGEBORO STREET	Markout request	Main clear	Markout main/lateral/vent
6/21/2018	2018-098	620 JEFFERSON STREET	Fixture backup/overflow	Main clear	Notified owner/tenant
6/25/2018	2018-099	331 BEM STREET	Fixture backup/overflow	Main clear	Notified owner/tenant
6/26/2018	2018-100	PARK AVENUE & GRANT STREET	Line inspection	Main slow	Flush/vac/root cut sewer main
6/28/2018	2018-101	527 KOSSUTH STREET	Line inspection	Main slow	Flush/vac/root cut sewer main

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 2018

An email was received from Pennoni Associates stating Clyde Lattimer and Son will not install the Biogas Regulator Vent Line. Instead RSA will install the vent line to meet the training on the Burner date.

The monthly maintenance was performed on the UV system lamps.

The new Lawnmower was returned to Lothers for repairs. The mower's steering controls are not operating as designed.

Plant employee training on how to properly perform a utility markout was conducted.

The NJDEP TCH requirements for the Plant employee's licenses have been meant. A TCH report was issued to all Plant employee's with a license.

The Biogas Regulator Vent line was installed as required.

ABS Electric was onsite to complete the Interlock between the Miltronic's Control Panel and the new SCADA System. The integration is operating as designed.

The lawnmower was returned from Lothers. The mower is now operating as designed.

A Plant employee was brought in on a Saturday for OT to remove sludge from the Secondary Digester with the Belt Filter Press.

All Plant employees were in attendance for training on the new Burner System for the Primary Digester Biogas.

The Hooker Street Pump Station experienced an Emergency condition due to a failure with the Hooker Street Pond Pump Station. Storm drains at the corner of Pine St. and Hooker St. backed up, flooding the area, which caused an infiltration condition. The Hooker Street Pump Station pumps could not keep pace with this infiltration condition.

A Pennoni Engineer was onsite for the training on the new Burner System for the Primary Digester Biogas.

The 1/2" Flame Check was received for the Biogas vent line.

The VFD for Sludge Transfer Pump #1 was not operating as designed. RSA troubleshoot the issue and the VFD is now operating as designed.

To prevent infiltration at the corner of Pine St. and Hooker St new Manhole Pots were ordered from USA Blue Book. The new Manhole that was installed has different dimensions than the replaced manhole.

RIVERSIDE SEWERAGE AUTHORITY
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Plant (856) 461-0700

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J. A. Montgomery was onsite to conduct a JIF audit for the Authority.

The sump pump for the Hooker Street Pump Station has failed. A replacement sump pump was purchased from Stevenson Supply.

Brandon to DMV to undertake the CDL Permit Test.

Contech was onsite to complete their portion of the punchlist.

The sump pump for the Hooker Street Pump Station was replaced and is now operating as designed.

A depression located near the lateral cleanout for 625 Chester Avenue was inspected. It's my opinion the Property Owner needs to repair the lateral. The Property Owner was notified of my opinion.

Brandon to DMV to undertake the CDL Permit Test.

The Level Transducer Sensor for Pump Station #1 was replaced. The sensor requires factory calibration.

The Level Probe System for Hooker Street Pump Station required troubleshooting. Willier Electric was contacted. The system needs replacement.

The Township Inspector for Riverside contacted the Plant about a lateral vent overflow for 527 Kossuth Street. The Collection Main was flushed in an attempt to relieve the vent.

A site meeting will be scheduled for July 5, 2018 to review the punchlist items for the SCADA Project.

First Environment, Inc. was onsite to conduct the Environmental JIF audit for the Authority.

Brandon to DMV to undertake the CDL Permit Test.

Sand Filter # 2 was removed from Service. The NJDEP case number is 180702105115. An airlift requires repairs.

The Welder John Esposito was contacted to repair damaged airlift and construct four new airlifts.

Heavy debris in the Stormwater covert in front of 800 Devon Street was removed by RSA.

Maintenance on the UV Lamp cleaning system was performed. A faulty air compressor was replaced by RSA. The cleaning system is now operating as designed.

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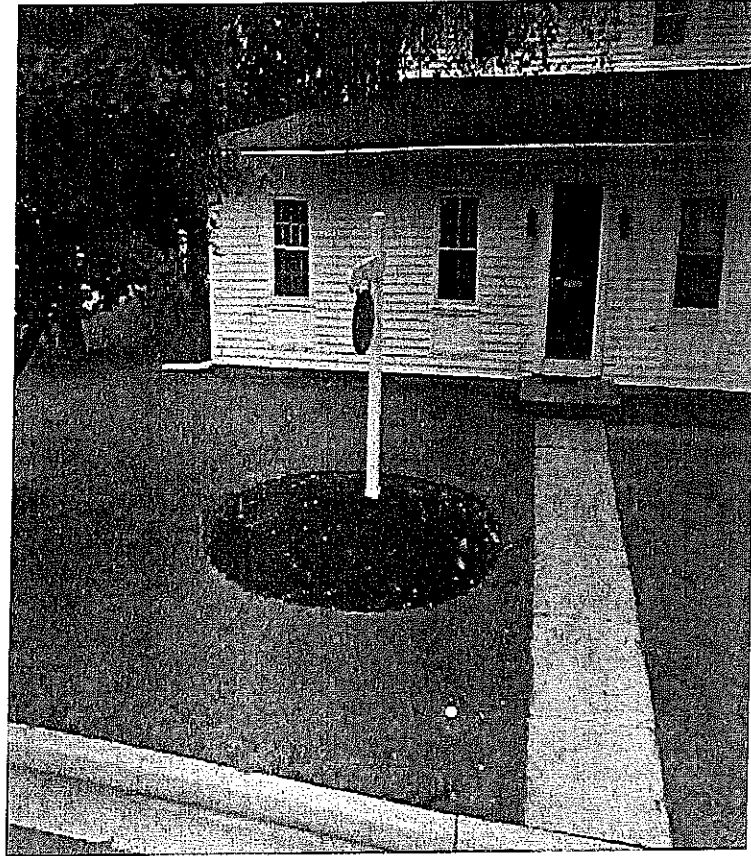
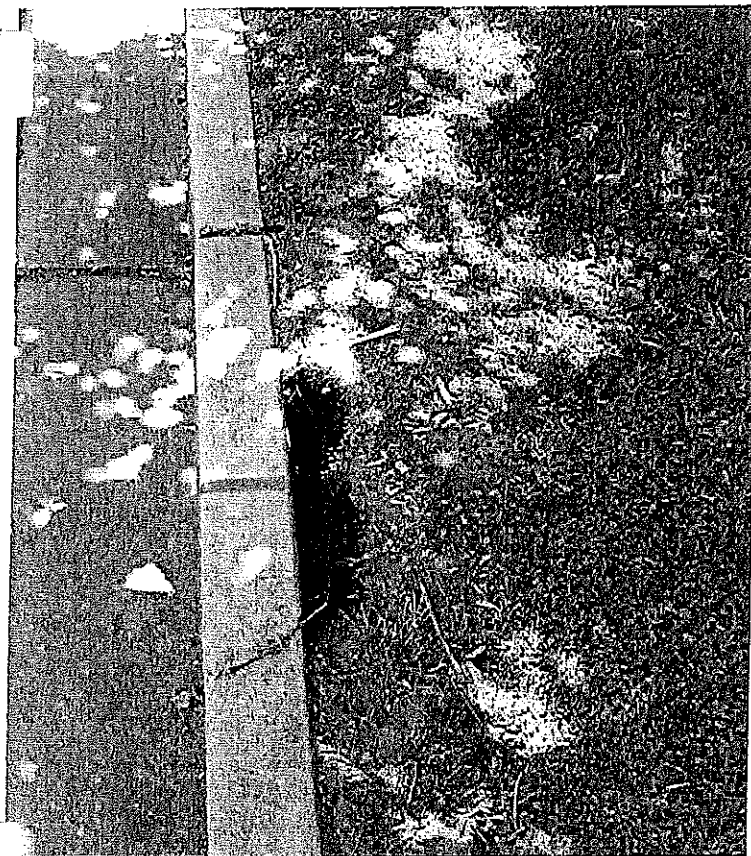
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Maintenance on the UV Lamps was performed.

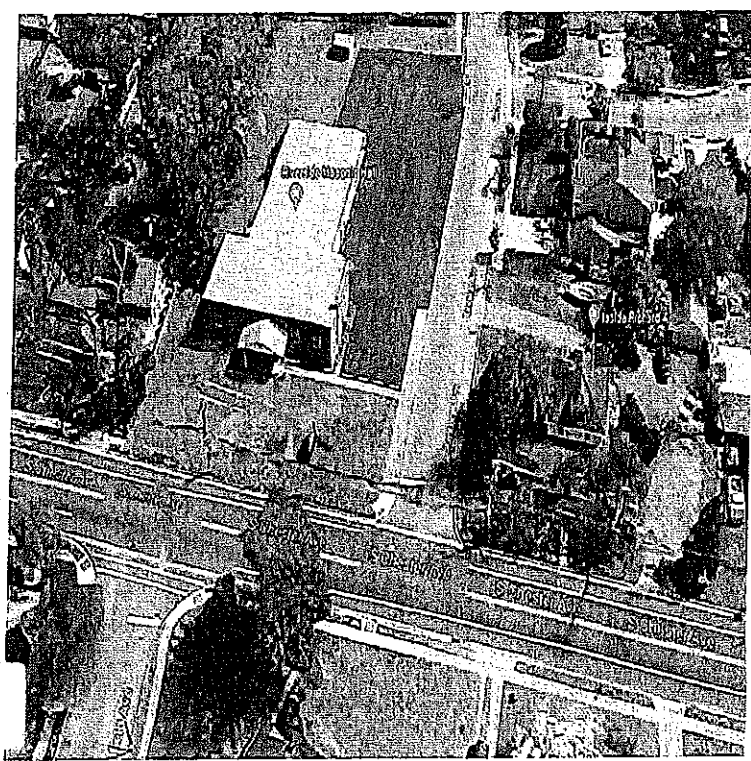
Two Level Transducer Sensors were returned to Sigma Controls for repairs and calibrations.

Paul's Tree Service onsite at the Plant to remove damaged trees.

625 S. Chester Avenue Ground Depression



Ground Depression in-line with the Lateral Cleanout.



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 along with check #2320 which was tabled on November 6, 2017 in the amount of \$4087.50 to Pennoni Engineering carried.

PUBLIC PORTION (INFORMATIONAL)

In seeing that no members of the public were present Public Portion was not opened.

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


Susan M. Dydek, RMC
Authority Secretary