

**RAHWAY VALLEY SEWERAGE AUTHORITY**  
**Finance Committee Meeting Minutes – July 16, 2020**

Michael Gelin, Finance Committee Chairman, called the meeting to order at 5:40 p.m., and asked that the recorder be turned on.

The Chairman read the statement on "Open Public Meetings Law"

In accordance with the requirements of the Open Public Meetings Act, State of New Jersey, adequate notice of this meeting was forwarded to the Star Ledger, the Home News Tribune, and the Clerk of each of the eleven member municipalities on February 27, 2020. As this is a Committee Meeting, no action will be taken.

If any member of this body believes that this meeting is being held in violation of the provisions of the Open Public Meetings Act, please state your objection and the reasons for same at this time. ... Hearing no objections, we shall proceed with our scheduled meeting.

The Chairman requested a salute to the flag, and a moment of silence.

**Roll Call**

The following members were present (via Cisco Webex):

Robert M. Beiner	for the Borough of Kenilworth
John J. Del Sordi Jr.	for the Township of Scotch Plains
Michael Furci	for the Township of Springfield
Michael J. Gelin	for the Township of Woodbridge
Edward Gottko	for the Town of Westfield
Loren Harms	for the Borough of Roselle Park
Frank G. Mazzarella	for the Township of Clark
Louis C. Lambe	for the Township of Cranford
Robert Rachlin	for the City of Rahway
Stephen D. Greet	for the Borough of Garwood
John J. Tomaine	for the Borough of Mountainside

The following were also present (via Cisco Webex):

James J. Meehan	Executive Director
Karen Musialowicz	Secretary-Treasurer
Andrea DeCarlo	Purchasing Agent/Board Secretary
Dan Ward	Superintendent
John Buonocore	Chief Engineer/Asst. Superintendent
Anthony Gencarelli	Manager of Regulatory Compliance
Janet Thevenin	Environmental Compliance Supervisor
Doug Reno	Operations Manager
Dennis Estis, Esq.	General Counsel – Greenbaum, Rowe, Smith
Howard Matteson	Consulting Engineer – CDM Smith

**New Business**

The Bills and Claims list has been reviewed, and action to approve will be on the Regular Meeting agenda under Bills and Claims.

**Adjournment**

As there was no further business, on motion of Mr. Mazzarella, second by Mr. Lambe, the meeting adjourned at 5:48 p.m. The motion was approved by those present.

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Chairman

*Andrea DeCarlo*  
Andrea DeCarlo, Board Secretary

**RAHWAY VALLEY SEWERAGE AUTHORITY**  
**Summary of Minutes – Regular Meeting held July 16, 2020**

- Communications  
OPRA Request from Smart Procure
  
- Approval of Minutes  
June 18, 2020 Finance Committee and Regular Meetings
  
- Treasurer’s Report  
None
  
- Executive Director’s Report  
Sewer Endorsements, Municipal Reports, and the status of various contracts
  
- Report of Consulting Engineer  
Overview of engineering matters
  
- Report of General Counsel  
Overview of legal matters
  
- Committee Reports  
Reports were given by the Finance and Engineering Committees.
  
- Unfinished Business  
None
  
- New Business  
The following action was taken: Award of Contract #186-EQ EQ – Furnish & Deliver Flameless Explosion Relief Valves to SysTech Design, Inc.; Updating Purchasing Limits & Procedures in accordance with the new limits enacted by the State of New Jersey; Award of Contract #2034 – Insurance Package Policy to BGIA; Award of Contract #2035 – Workers Compensation Insurance Policy to NJM; Sewer Connection Application for L’Oréal USA located at 30 Terminal Avenue in Clark.
  
- Bills & Claims

OPERATING FUND	0-01	\$1,342,898.39
BUILDING & EQUIPMENT FUND	0-02	<u>98,333.46</u>
TOTAL OF ALL FUNDS:		\$1,441,231.85

**RAHWAY VALLEY SEWERAGE AUTHORITY**  
**Regular Meeting Minutes – July 16, 2020**

The Chairman, Loren Harms, called the meeting to order at 5:49 p.m.

**The Chairman read the statement on “Open Public Meetings Law”**

In accordance with the requirements of the Open Public Meetings Act, State of New Jersey, adequate notice of this meeting has been provided by the inclusion of the date, time and place in a Notice forwarded to The Star Ledger, the Home News Tribune and the Clerk of each of the eleven member municipalities on February 27, 2020.

If any member of this body believes that this meeting is being held in violation of the provisions of the Open Public Meetings Act, please state your objection and the reasons for same at this time.

.... Hearing no objections, we shall proceed with our regularly scheduled meeting.

**Roll Call**

The following members were present (via Cisco Webex):

Robert M. Beiner	for the Borough of Kenilworth
John J. Del Sordi Jr.	for the Township of Scotch Plains
Michael Furci	for the Township of Springfield
Michael J. Gelin	for the Township of Woodbridge
Edward Gottko	for the Town of Westfield
Loren Harms	for the Borough of Roselle Park
Louis C. Lambe	for the Township of Cranford
Frank G. Mazzarella	for the Township of Clark
Robert Rachlin	for the City of Rahway
Stephen D. Greet	for the Borough of Garwood
John J. Tomaine	for the Borough of Mountainside

The following were also present (via Cisco Webex):

James J. Meehan	Executive Director
Karen Musialowicz	Secretary-Treasurer
Andrea DeCarlo	Purchasing Agent/Board Secretary
Dan Ward	Superintendent
John Buonocore	Chief Engineer/Asst. Superintendent
Anthony Gencarelli	Manager of Regulatory Compliance
Janet Thevenin	Environmental Compliance Supervisor
Doug Reno	Operations Manager
Dennis Estis, Esq.	General Counsel – Greenbaum, Rowe, Smith
Howard Matteson	Consulting Engineer – CDM Smith

**Communications**

Ms. DeCarlo stated that an OPRA Request for accounting records was made by Smart Procure on June 30<sup>th</sup> and was replied to on the following day.

**Approval of Minutes**

Mr. Tomaine made a motion, second by Mr. Rachlin, to approve the minutes of the Finance Committee and Regular Meetings held June 18, 2020. The motion was approved by those present; with the exception of Mazzarella, who abstained.

**Report of Treasurer**

No report.

**Report of Executive Director**

**Sewer Treatment Endorsements**

The following is a list of Sewer Treatment Endorsements processed between 06/16/20 and 07/14/20. A copy of the log sheet with additional information related to this application has been distributed for your reference.

<b>2020 Treatment Endorsement Permits 0-1999 gpd</b>							
<b>RVSA Number</b>				<b>Date</b>	<b>Applicant's Name</b>		<b>Municipality</b>
2490	-	20	-	WB	06/17/20	Bartlomiej Skros	Woodbridge
2491	-	20	-	RW	07/07/20	New Point Building and Investment LLC	Rahway
2492	-	20	-	CL	07/09/20	Riverside Estates LLC	Clark
2493	-	20	-	CL	07/09/20	Riverside Estates LLC	Clark
2494	-	20	-	MT	07/13/20	Telly & Mandy Zachariades	Mountainside

**Municipal Monthly Collection System Reports**

The following Reports were received since the last regular meeting:

- Borough of Garwood – April-May 2020
- City of Rahway – May 2020
- Borough of Roselle Park – June 2020
- Township of Woodbridge – June 2020

**Plant O&M Update**

Mr. Meehan stated that the staff is currently working with Waste Management to get the Authority’s energy credits to market.

He also reported that several rupture disks have been blown due to problems with the Cogen facility over the last week. This is likely due to issues with either the controls or PLCs, and we are continuing to work on it. Unfortunately, however, over the past five or six days, we have not been able to burn the gas we are generating as we have been doing for quite a while. He added that Engine #4 has been completely rebuilt and is now back in service, along with the generator, which was a planned capital project. He stated that the plant is currently running on natural gas; and the staff is currently working hard to get back to burning biogas.

Mr. Meehan also mentioned that the UV system has had some issues and is currently being worked on. He stated that a good deal of maintenance has been performed over the past few weeks to change out several parts in order to get the system working properly. While we are not violating permit, we have seen a few anomaly numbers, so we are taking this very seriously.

#### Collection System O&M Update

Mr. Meehan stated that work has been ongoing in the park to get the mapping completed. He stated that the staff has been working on getting a line through the manhole, but it has been determined that some confined-space entries will be necessary due to the locations of the manholes in proximity to the main. He stated that a lot of progress has been made; and we hope to have the mapping completed prior to the next meeting.

#### Contract #175 – Tomar Construction Update

A Settlement Agreement has been drafted and is being sent over to Tomar.

#### Biobot Sampling for Coronavirus

Mr. Meehan stated that the Biobot sampling continues; although the data received to date has been somewhat scattered. He added that the numbers are relatively close to those that are being reported by the Governor, so they seem to be realistic.

He stated that Rutgers University has also asked us to take part in a similar study, so we will be participating in that. Additionally, there is a study being conducted by NJIT regarding PFAS, which we plan to partake in. He stated that we have hired an intern from NJIT who will work on this, and hopefully provide us insight on the presence of PFAS at our plant.

#### EPA Grant – Anaerobic Digestion Improvements for Co-Digestion

Mr. Meehan stated that a lot of work was put into this application, specifically by Mr. Buonocore and Mr. Matteson; and a lot of input was provided by Waste Management as well. He stated that Mrs. Musialowicz put the application together and submitted it on Tuesday. Mr. Matteson stated that the total project cost is estimated at \$330,000.00; therefore we have submitted for roughly half that amount. Mr. Meehan stated that he would keep the Board informed on any updates. He also stated that Letters of Commitment were received from six of the 11 member municipalities; and while he had hoped to receive them from all of the towns, he appreciates the support that was received.

Flow Rights Working Group

An Engineering Committee Meeting was held earlier this evening to discuss the recommendations provided by the Working Group. Mr. Meehan stated that the Engineering Committee had a very busy meeting; and we are waiting for modeling data to be received from CDM Smith which they are currently working on. He stated that another Engineering meeting will likely need to be held before the next meeting; however the memo can now be distributed to the remaining Board Members so they can be made aware of the changes being recommended. In the meantime, he stated that Mr. Estis will work with Clark's legal team to resolve their questions relating to the recommendations stated in the second part of the memo; and the Legal Committee will review and discuss these as well.

Contract #2034 – Insurance Coverages

Proposals for the Authority's Insurance Coverages were solicited through our Broker of Record, BGIA. BGIA submitted a proposal for the term of July 25, 2020 thru July 25, 2021, covering Property, Inland Marine, Crime, General Liability, Public Officials Employment Practices Liability, Automobile, Cyber Liability, Excess Liability, Site Pollution Liability, Specialty Crime, and the Public Officials Bond. The proposal was found to be in order. Karen Musialowicz, Secretary-Treasurer, recommends award of the contract to BGIA in an estimated amount of \$276,610.00; the Purchasing Agent concurs. This reflects a 6.75% increase from the previous year's policy. A copy of the Premium Summary was provided to the Commissioners, and action is on the agenda under New Business.

Contract #2035 – Workers' Compensation Insurance

Proposals for the Authority's Workers' Compensation Insurance were solicited through our Broker of Record, BGIA. New Jersey Manufacturers submitted a proposal for the term of July 25, 2020 thru July 25, 2021, and it was found to be in order. Karen Musialowicz recommends that the contract be awarded to New Jersey Manufacturers in an estimated amount of \$120,981.00; and the Purchasing Agent concurs. This reflects a savings of 20.6% from the previous year's policy. A copy of the Premium Summary was provided to the Commissioners, and action is on the agenda under New Business.

Mrs. Musialowicz reported that overall, the cost for both policies decreased by 3.4% from the prior year's policies.

Contract #186-EQ – Furnish & Deliver Flameless Explosion Relief Valves

One bid was received on July 14, 2020, as follows:

<u>Vendor</u>	<u>Amount</u>
SysTech Design, Inc. Exton, PA	\$152,368.00

The bid was reviewed and found to be in order. John Buonocore, Chief Engineer, recommends awarding this contract to SysTech Design, Inc. in the amount of \$152,368.00, which is based on a quantity of eight (8) valves at \$19,046.00 each. The Purchasing Agent concurs; and action to award is on the agenda under New Business.

Mr. Buonocore stated that this bid was for the equipment only; and we will be putting out another bid for the installation of the equipment.

#### Sewer Connection

The Authority received a Sewer Connection Application from Gilbane Building Company on behalf of L'Oréal USA, for property located at 30 Terminal Avenue in the Township of Clark. The application is for the renovation of L'Oréal's pilot plant and office building, with a proposed flow of approximately 2,070 gpd (0.00207 mgd). The application was reviewed by John Buonocore, Chief Engineer, who found it to be in order. Action is on the agenda under New Business.

#### Monthly Reports

The IPP, Monthly Operations, Flow Rights, and User Charge Reports were received and forwarded to the Commissioners for review.

Mr. Meehan also noted that Mrs. Musialowicz has put in significant claims for COVID-19 relief to both Union and Middlesex Counties, totaling approximately \$700,000.00. Mr. Lambe asked what the likelihood of these claims being approved is, and how much the Authority anticipates recovering. Mrs. Musialowicz replied that she expects to receive most or all of the amounts submitted, which are comprised mostly of staff overtime, as well as hard costs such as food and safety supplies. She stated that all costs are legitimate and are substantiated with the necessary paperwork. She added that 25% is expected from Middlesex County and 75% is expected from Union County. Mr. Gelin asked what the source of funding is; Mrs. Musialowicz stated that funding is being provided through the CARES Act.

#### **Report of Consulting Engineer**

Howard Matteson, of CDM Smith, submitted the following report for work activities for the month of June 2020.

##### A. Retainer Services

During the period, CDM Smith prepared the monthly report for June 2020 and attended the June 2020 Board Meeting via conference call.



**B. Miscellaneous Engineering Services**

During the period, CDM Smith performed the following:

- Sludge Dryer Options – Coordinated with staff to update plant data, performed data analysis and preliminary sizing, held call with staff to review initial information and findings.
- Flow Rights Working Group – Continued coordination with Flow Rights Working Group.
- Digester Capacity Assessment – Submitted draft memorandum on assessment of digester gas cleaning system capacity to staff for review.
- Trunk Sewer Model – Performed calibration and validation of trunk sewer model and began preliminary assessment of travel times.

Mr. Matteson stated that this assessment is pretty far along; and the results will likely be split up between two separate memos in order to address more time-sensitive issues first, such as the time of travel.

**C. Digester Covers and Waste Gas Burner Replacement – Design, Bidding, and Construction**

During the period, CDM Smith performed the following:

- Coordinated with staff on settlement discussions with Tomar.

**D. Riverwalk Siphon Rehabilitation**

No activity during the period.

**E. Influent Bar Screen Replacement**

During the period, CDM Smith performed the following:

- Continued development of draft Basis of Design Report and are preparing same for submission to staff.

Mr. Furci asked if the sewer trunk modeling will be available within the next few weeks. Mr. Matteson replied that there will be two separate memos that are distributed; the first, concerning time of travel, should be available next week, and the second part, showing the I&I based on what the modeling shows, will be forthcoming within a few weeks.

Mr. Mazzarella asked if the time of travel will be shared for all communities. Mr. Matteson replied yes, for all communities that have a time of travel, but the time of travel will be shown as a range to account for differences in wet weather and dry weather conditions, and will be based on 15-minute increments. He stated that Westfield, for example, does not have any upstream meters and therefore no time of travel is needed. Mr. Lambe asked if this modeling could be used for RDII (rainfall

derived inflow and infiltration); Mr. Matteson replied yes. Mr. Lambe stated that in order to do this, a GIS database would be required for each individual collection system. Mr. Matteson stated that would be the easiest way to come up with the information, but there are other ways as well. Mr. Gelin stated that not all of Woodbridge is connected to the RVSA so that should be kept in mind. Mr. Matteson replied that only the area within the RVSA's sewer service area is being used for the calculations.

Mr. Gelin asked for an update on the Riverwalk Siphon. Mr. Matteson stated that he is waiting for the field assessment to be completed to hire a surveyor go out to mark where the interceptor is located. This survey, he explained, will allow the easement and the metes and bounds to be completed. Mr. Meehan explained that there were two runs which were able to be measured so far; however there are two sets of manholes that require confined space entries. Mr. Buonocore stated that in order to trace the manhole, a string will be floated through with a wire, which will send a signal to the trunk sewer. He explained that these manholes are offset and there is not a clear view, which is why the confined space entries are necessary. Mr. Meehan stated that rather than being able to complete this with just two people, the assistance of several others will be needed. He also added that only a few more stretches need to be measured for this to be complete.

Mr. Matteson explained for the new Commissioners that the reason we are doing this is because there are sweeps in the line that are located underground. He stated that in normal circumstances, the easement between manholes could be measured in a straight line; however, that cannot be done in this case, so we are trying to field locate where we believe the pipe is located underground. Mr. Lambe pointed out that through the sweeps, the wire will be biased to one side, so that will need to be taken into account. Mr. Lambe asked what is being floated in the lines; Mr. Buonocore stated that a sampling jug tied to a rope is being used and working well.

### **Report of General Counsel**

Dennis Estis, General Counsel from the firm Greenbaum, Rowe, Smith & Davis, submitted the following report for the period June 18, 2020 through July 16, 2020.

1. Flow Rights  
Prior to this meeting there was a meeting of the Special Committee. The Committee will report during the meeting as to the status.
2. Local Contracts Law/Open Public Meetings Act  
No change.

3. QDI Monitoring  
Andrea sent yet another copy of the Property Access Agreement to QDI's attorney who has promised to get it back to us as soon as possible.
4. Siphon – Rahway – Union County Park  
No change.
5. Occidental Chemical  
No change.
6. Metro Compliance  
Testing revealed that Metro was exceeding its PH and Zinc levels. A letter was sent to Metro on May 21, 2020 giving Metro until July 1<sup>st</sup> to resolve the problem. Metro claims that because it is a tenant, it does not have responsibility. A letter has gone out to Metro telling them that this is unsatisfactory, and they must undertake the corrective work immediately or we will start to fine them and possibly closedown their operation.
7. Tomar  
A settlement has been reached with Tomar as a result of direct negotiations between Jim Meehan and Tomar's principal. I have prepared the Settlement Agreement. It has been approved by Jim Meehan and I have sent it to Tomar's attorney. We will discuss the settlement in closed session.
8. OUTFRONT Media Billboard Lease  
I have heard nothing from Outfront since I sent it a revised agreement. We need to discuss what actions, if any, should be taken. Mr. Estis explained that the billboard lease has not been revised in many years so he sent them a revised version, which they rejected. He stated that the company did not agree to the provision allowing for an increase in rental fees; so he has revised it once again to provide for an increase in the third year, which they have not yet responded to. He stated that he does not advise continuing to utilize the old lease agreement and asked for direction from the Commissioners. Mr. Mazzarella suggested taking a hard-nosed approach and telling the company that they cannot advertise if they do not agree to our terms. Mr. Gelin suggested sending the company a lease termination notice. Mr. Harms agreed, stating that if they do not come back to negotiate with us, then we should terminate the lease and have them take the billboard down. Mr. Estis stated he would proceed as discussed and report back next month.
9. H2M  
I am trying to resolve the differences between our agreement with that engineering company as it relates to indemnification. Mr. Estis stated that this should be resolved by the next meeting.

## **Committee Reports**

Chairman: Are there reports from any of the following Committees?

<b>Committee</b>	<b>Chairman</b>	<b>02/2020 – 02/2021 Committee Members</b>		
Engineering	Michael Furci	Frank Mazarella	Louis Lambe	John Del Sordi
Finance	Michael Gelin	Frank Mazarella	Stephen Greet	John Tomaine
Legal	John Tomaine	Robert Beiner	Michael Gelin	Edward Gottko
Personnel	Robert Rachlin	Louis Lambe	Stephen Greet	Michael Furci
Nominating	Robert Beiner	Robert Rachlin	John Del Sordi	Edward Gottko

### Engineering Committee (Michael Furci, Committee Chairman)

The Engineering Committee met earlier this evening to discuss the recommendations provided by the Flow Rights Working Group.

### Finance Committee (Michael Gelin, Committee Chairman)

The Finance Committee reviewed the Bills & Claims listing and action is on the agenda under Bills & Claims.

### Legal Committee (John Tomaine, Committee Chairman)

No report.

### Personnel Committee (Robert Rachlin, Committee Chairman)

No report.

## **Unfinished Business**

None.

## **New Business**

Mr. Furci offered one resolution.

1. **Resolution #20-28** – Award of Contract #186-EQ – Furnish & Deliver Flameless Explosion Relief Valves to SysTech Design, Inc.

Motion: Mr. Furci  
Second: Mr. Rachlin

The motion was unanimously approved.

**RESOLUTION #20-28**

WHEREAS, the Rahway Valley Sewerage Authority ("Authority") solicited bids for Contract #186-EQ – Furnish & Deliver Flameless Explosion Relief Valves, and received bids on July 14, 2020; and

WHEREAS, the Authority received one bid, which was reviewed by the Purchasing Agent and found to be responsive and responsible; and

WHEREAS, the sole bid was received from SysTech Design, Inc. of Exton, PA for a total cost of \$152,368.00, based on a quantity of eight (8) valves at \$19,046.00 per unit; and

WHEREAS, the Chief Engineer and Purchasing Agent recommend the award of this contract to SysTech Design, Inc.; and

WHEREAS, the Secretary-Treasurer of the Authority, who is the Chief Financial Officer, hereby certifies that the necessary funds for said contract are available in the 2020 Annual Budget.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Rahway Valley Sewerage Authority hereby authorize the award of Contract #186-EQ – Furnish & Deliver Flameless Explosion Relief Valves to SysTech Design, Inc. for a one-year term and a total amount of \$152,368.00; and

BE IT FURTHER RESOLVED that the Executive Director is hereby authorized to execute said contract.

Mr. Gelin offered three resolutions.

1. **Resolution #20-29** – Updating Purchasing Limits & Procedures in accordance with the new limits enacted by the State of New Jersey

Motion: Mr. Gelin  
Second: Mr. Tomaine

The motion was unanimously approved.

**RESOLUTION #20-29**

WHEREAS, the Rahway Valley Sewerage Authority ("Authority") previously adopted Resolution #16-63 regarding purchasing limits and the financial reporting of said purchases, and now seeks to update its procedures accordingly; and

WHEREAS, the Governor, per N.J.S.A. 40A:11-3(c), has given local contracting units with an appointed Qualified Purchasing Agent the ability to increase their bid threshold amount from \$40,000.00 to \$44,000.00, pursuant to N.J.S.A. 40A:11-9; and

WHEREAS, the Authority desires to take advantage of the increased threshold of \$44,000.00.

NOW, THEREFORE, BE IT RESOLVED by the Commissioners of the Rahway Valley Sewerage Authority that:

All purchases shall be in compliance with NJ State Statutes, specifically N.J.S.A. 40A:11 and N.J.S.A. 19:44A-20.4 et. seq., with the recommendation of the Purchasing Agent; and

Two informal quotations shall be obtained for any purchase in the amount of \$6,600.00 or greater, unless a formal Request For Proposal (“RFP”), Request For Qualifications (“RFQ”), or Bid is solicited for said item(s); and

The Purchasing Agent shall review and sign off on all purchases; and

The Executive Director or Purchasing Agent is hereby authorized to approve the award of contracts for Professional Services and/or Extraordinary Unspecifiable Services (“EUS”) when the aggregate contract amount will not exceed \$17,500.00; and

The Executive Director or Purchasing Agent is hereby authorized to approve purchases for goods, services, materials, and/or supplies when the aggregate purchase amount will not exceed \$44,000.00; and

Claimants’ Certifications will be required only for employee expense reimbursements and payments to sole proprietors, in accordance with N.J.A.C. 5:30-9A.6 and 5:31-4.1; and

On a monthly basis, the Executive Director shall provide to the Board a statement of expenses incurred in each of the Operating, Building & Equipment, and/or any other Funds; and

On a monthly basis, the Executive Director shall provide to the Board a statement of expenses incurred in each of the Operating budget line items, as well as all unexpended or uncommitted balances in those line items.

BE IT FURTHER RESOLVED that the following purchases shall be brought before the Rahway Valley Sewerage Authority Board of Commissioners for formal action:

All Professional Service and EUS contracts that are in excess of \$17,500.00; and

All Contracts that were solicited by formal RFP, RFQ, and/or Bid; and

All purchases for goods, services, materials and/or supplies in excess of \$44,000.00; and

Any and all other contracts that the Commissioners deem necessary or request to have brought before them for formal action.

BE IT FURTHER RESOLVED that this Resolution shall take effect immediately, and shall supersede all previous resolutions regarding this matter.

2. **Resolution #20-30** – Award of Contract #2034 – Insurance Package Policy to BGIA

Motion: Mr. Gelin  
Second: Mr. Rachlin

The motion was unanimously approved.

**RESOLUTION #20-30**

WHEREAS, the Rahway Valley Sewerage Authority (Authority) has a need to renew its insurance coverage related to its "Package Policy", principally Property, General Liability, Inland Marine, Automobile, Public Officials/Employment Practices Liability, Primary Excess Liability, Second Layer Excess Liability, Equipment Breakdown (B&M), Site Pollution Liability, Specialty Crime, and Public Officials Bond, Contract #2034; and

WHEREAS, insurance is considered a statutory Extraordinary Unspecifiable Service (EUS), which pursuant to N.J.S.A. 40A:11-5(1)(m) may be awarded without competitive bidding, and the Certification Declaration of such is attached hereto; and

WHEREAS, a Request For Proposal (RFP) was sent to the Authority's approved Broker of Record, Business and Governmental Insurance Agency ("BGIA"), which solicited proposals on behalf of the Authority; and

WHEREAS, proposals were received for placement of the above-named policies, for an estimated total cost of \$276,610.00; and

WHEREAS, the Secretary-Treasurer of the Authority, who is the Chief Financial Officer, hereby certifies that funds for said contract are available in the respective Annual Budgets.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Rahway Valley Sewerage Authority hereby award Contract #2034 for the placement of the above-named policies to BGIA, at an estimated cost of \$276,610.00, subject to the finalization of surcharges and adjustments of Insurance Values; and

BE IT FURTHER RESOLVED that the insurance program being awarded as noted above is for the period from July 25, 2020 to July 25, 2021; and

BE IT FURTHER RESOLVED that a Notice of Award will be published in accordance with law; and

BE IT FURTHER RESOLVED that the Contract and this Resolution will be kept on file and available for public inspection.

3. **Resolution #20-31** – Award of Contract #2035 – Workers Compensation Insurance Policy to NJM

Motion: Mr. Gelin  
Second: Mr. Lambe

The motion was unanimously approved.

**RESOLUTION #20-31**

WHEREAS, the Rahway Valley Sewerage Authority (Authority) has a need to renew its insurance coverage related to Workers' Compensation, Contract #2035; and

WHEREAS, insurance is considered a statutory Extraordinary Unspecifiable Service (EUS), which pursuant to N.J.S.A. 40A:11-5(1)(m) may be awarded without competitive bidding, and the Certification Declaration of such is attached hereto; and

WHEREAS, a Request For Proposal (RFP) was sent to the Authority's approved Broker of Record, Business and Governmental Insurance Agency (BGIA), which solicited proposals on behalf of the Authority; and

WHEREAS, a proposal was received from New Jersey Manufacturers Insurance Company of West Trenton, NJ, for placement of the Authority's Workers' Compensation Insurance Policy at an estimated cost of \$120,981.00; and

WHEREAS, the Secretary-Treasurer of the Authority, who is the Chief Financial Officer, hereby certifies that funds for said contract are available in the respective Annual Budgets.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Rahway Valley Sewerage Authority hereby award Contract #2035 for the placement of its Workers' Compensation Insurance Policy to New Jersey Manufacturers Insurance Company at an estimated cost of \$120,981.00, subject to the finalization of New Jersey surcharges and adjustments of Insurance Values and dividends; and

BE IT FURTHER RESOLVED that the insurance policy being awarded is for the period from July 25, 2020 to July 25, 2021; and

BE IT FURTHER RESOLVED that a Notice of Award will be published in accordance with law; and

BE IT FURTHER RESOLVED that the Contract and this Resolution will be kept on file and available for public inspection.



Mr. Mazzarella offered one resolution.

1. **Resolution #20-32** – Approving a Sewer Connection Application for L’Oréal USA located at 30 Terminal Avenue in Clark

Motion: Mr. Mazzarella  
 Second: Mr. Greet

The motion was unanimously approved.

**RESOLUTION #20-32**

WHEREAS, Gilbane Building Company has submitted a Treatment Works Sewer Connection Construction and Discharge Permit Application on behalf of L’Oréal USA for property located at 30 Terminal Avenue in the Township of Clark, State of New Jersey; and

WHEREAS, this Application is for the renovation of the applicant’s pilot plant and office building, with a proposed flow of approximately 2,070 gpd (0.00207 mgd); and

WHEREAS, the flow from the foregoing connection will not cause the Rahway Valley Sewerage Authority to exceed its permitted flow of 40 mgd; and

WHEREAS, the application has been reviewed by John Buonocore, Chief Engineer, and found to be in order.

NOW, THEREFORE, BE IT RESOLVED by the Rahway Valley Sewerage Authority that it does hereby accept and approve the aforesaid application.

**Bills and Claims**

Mr. Gelin offered one motion.

Motion that the following bills and claims previously reviewed by the Finance Committee be ordered paid.

Motion: Mr. Gelin  
 Second: Mr. Lambe

The motion was approved by those present.

**BILLS AND CLAIMS LISTING**

**BUILDING & EQUIPMENT FUND**

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
3262	07/16/20	E. O. HABHEGGER	125.0	13,250.00
3263	07/16/20	GP JAGER INC.	127.0	29,782.50
3264	07/16/20	GREENBAUM, ROWE, SMITH & DAVIS	140.2	2,929.00
3265	07/16/20	HACH COMPANY	140.2	52,371.96

Total Building & Equipment Fund Checks: 4  
 Total Void Checks: 0  
 Total Void Check Amount: \$0.00  
 Total Building & Equipment Fund Checks Paid: \$99,333.46

## OPERATING FUND - MANUAL

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
330	06/25/20	RAHWAY VALLEY S.A. - PAYROLL	01/02	197,685.07
332	07/08/20	RAHWAY VALLEY S.A. - PAYROLL	01/02	216,974.75
331	07/09/20	NJ STATE HEALTH BENEFITS	03/04	112,085.96
333	07/16/20	NJIB - U.S. BANK NAT'L ASSOC.	09	126,592.50
334	07/16/20	TD BANK, NA	09	4,140.00
335	07/16/20	TD BANK, NA	09	19,882.50

Total Operating Fund Manual Checks: 6

Total Void Checks: 0

Total Void Check Amount: \$0.00

Total Operating Fund Manual Checks Paid: \$677,360.78

## OPERATING FUND

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
52155	07/01/20	DELTA DENTAL OF NEW JERSEY INC	03	4,364.69
52156	07/01/20	ELIZABETHTOWN GAS	22	1,384.33
52157	07/01/20	UGI ENERGY SERVICES, LLC	22	97.51
52158	07/01/20	VERIZON WIRELESS	11/27	2,618.07
52159	07/01/20	VISION SERVICE PLAN	03	1,304.68
52160	07/13/20	BANK OF AMERICA	27	46.97
52161	07/13/20	HOME DEPOT CREDIT SERVICES	31/32	2,018.29
52162	07/13/20	STAPLES CREDIT PLAN	27	189.48
52163	07/16/20	ADP, LLC.	16	2,286.82
52164	07/16/20	ADS LLC	30	13,286.00
52165	07/16/20	ALL AMERICAN SEWER SERVICE INC	32	2,000.00
52166	07/16/20	ALLIED OIL	20/24	2,999.36
52167	07/16/20	ALLIED FILTER COMPANY	32	663.03
52168	07/16/20	AMERICAN AQUATIC TESTING, INC	40	1,030.00
52169	07/16/20	AMERICAN WEAR	32	1,046.41
52170	07/16/20	AQUA PRO-TECH LABORATORIES	41	5,226.00
52171	07/16/20	ATLANTIC ANALYTICAL LABORATORY	41	7,320.00
52172	07/16/20	BARTELL FARM & GARDEN SUPPLY	32	280.00
52173	07/16/20	B & B DISPOSAL	32	675.00
52174	07/16/20	BENCHMARK RESOLUTION SERVICES	08	3,000.00
52175	07/16/20	CONSTANTINE BONDARENKO	32	676.00
52176	07/16/20	BOWCO LABORATORIES, INC.	32	63.00
52177	07/16/20	BRIDGESTONE HOSEPOWER, LLC	32	22.19
52178	07/16/20	CANON FINANCIAL SERVICES, INC.	16	725.29
52179	07/16/20	CHARLIE'S OIL RECOVERY SERVICE	32	550.00
52180	07/16/20	CITY OF RAHWAY - UNITED WATER	33	12,145.22
52181	07/16/20	CONFIRE FIRE PROTECTION	32	1,958.02
52182	07/16/20	DFFLM, LLC	35	1,178.42
52183	07/16/20	ELIZABETHTOWN GAS	22	22,226.25
52184	07/16/20	ENVIRONMENTAL COMPLIANCE	41	3,415.00
52185	07/16/20	EXCELSIOR BLOWER SYSTEMS, INC.	32	6,224.40
52186	07/16/20	FACTORY DIRECT PIPELINE	32	538.95
52187	07/16/20	FOLEY, INCORPORATED	28	122,814.66
52188	07/16/20	GENSERVE INC.	28	10,595.42
52189	07/16/20	GOVCONNECTION, INC.	27	1,578.00
52190	07/16/20	GP JAGER INC.	28/32	8,288.51
52191	07/16/20	GRAINGER	31/32	1,710.80

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
52192	07/16/20	GREAT LAKES ENVIRONMENTAL	41	1,121.17
52193	07/16/20	GREENBAUM, ROWE, SMITH & DAVIS	07	2,247.50
52194	07/16/20	HACH COMPANY	32/40	10,712.05
52195	07/16/20	HARP ENVIRONMENTAL, LLC	41	740.00
52196	07/16/20	HAWKINS, DELAFIELD & WOOD LLP	08	6,575.43
52197	07/16/20	HAYES PUMP INC.	32	2,593.00
52198	07/16/20	THE HELLAN STRAINER COMPANY	32	2,000.16
52199	07/16/20	HIGHMARK ANALYTICS	41	657.00
52200	07/16/20	HORIZON DATASYS CORPORATION	27	72.00
52201	07/16/20	HYDRO SERVICE & SUPPLIES, INC.	40	3,215.45
52202	07/16/20	INDEPENDENT OVERHEAD DOOR CO.	32	640.00
52203	07/16/20	INDUSTRIAL CONTRACTING & RIGG	28	8,995.00
52204	07/16/20	INTELEPEER CLOUD COMMUNICATION	11	439.21
52205	07/16/20	JERSEY ELEVATOR COMPANY INC.	32	378.15
52206	07/16/20	ARTUR KOWALSKI	31	616.00
52207	07/16/20	KSB, INCORPORATED	28	4,712.19
52208	07/16/20	MAIN POOL & CHEMICAL INC	29	2,376.00
52209	07/16/20	ANTHONY MARCIANO	31	616.00
52210	07/16/20	MCCLOSKEY MECHANICAL CONTRACTO	32	700.97
52211	07/16/20	MCMASTER-CARR SUPPLY CO.	32	1,849.24
52212	07/16/20	MIDDLESEX WATER COMPANY	33	1,292.57
52213	07/16/20	MILLER AND CHITTY CO., INC.	32	600.00
52214	07/16/20	MIRACLE CHEMICAL COMPANY	29	3,598.69
52215	07/16/20	MRI SERVICES	32	327.26
52216	07/16/20	NAVITEND	27	53.75
52217	07/16/20	MUNICIPAL MAINTENANCE CO.	32	8,815.00
52218	07/16/20	COLOGIX	11	294.00
52219	07/16/20	NJ ADVANCE MEDIA	12	158.10
52220	07/16/20	NORTH EAST TECHNICAL SALES	32	2,911.07
52221	07/16/20	NORTHEAST INDUSTRIAL TECH, INC	32	134.83
52222	07/16/20	OPTIMUM CONTROLS CORP.	28	4,526.00
52223	07/16/20	ONE CALL CONCEPTS, INC.	32	20.02
52224	07/16/20	PITNEY BOWES INC.	48	236.98
52225	07/16/20	POLYDYNE INC.	23	69,946.40
52226	07/16/20	PRAXAIR DISTRIBUTION, INC.	32	575.04
52227	07/16/20	PRECISION ELECTRIC MOTOR WORKS	32	14,938.00
52228	07/16/20	PREMIER TECHNOLOGY SOLUTIONS	27	18,180.00
52229	07/16/20	PSE&G COMPANY	19	79,703.55
52230	07/16/20	QUALITY CONTROLS, INC.	32	1,443.00
52231	07/16/20	RARITAN SUPPLY	32	6,354.77
52232	07/16/20	ROSEMOUNT INC.	28	2,374.20
52233	07/16/20	ROZANO SIGNS	35	255.00
52234	07/16/20	PETTY CASH	14	20.10
52235	07/16/20	SCIENTIFIC WATER CONDITIONING	32	1,130.00
52236	07/16/20	SHALLCROSS BOLT & SPECIALTIES	32	324.90
52237	07/16/20	SMITH TRACTOR & EQUIPMENT INC.	35	169.20
52238	07/16/20	STORR TRACTOR COMPANY	32	189.18
52239	07/16/20	SUNBELT RENTALS	32	560.56
52240	07/16/20	TREASURER STATE OF NEW JERSEY	37	124,364.77
52241	07/16/20	TRI-STATE BEARING - DIV OF	32	325.53
52242	07/16/20	TURTLE & HUGHES INC.	32	487.68
52243	07/16/20	UGI ENERGY SERVICES, LLC	22	18,494.04

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
52244	07/16/20	UNITED PARCEL SERVICE	48	123.92
52245	07/16/20	USA BLUEBOOK	43	197.29
52246	07/16/20	ALEXANDRE VENTURA	31	676.00
52247	07/16/20	VERIZON	11	428.79
52248	07/16/20	WASTE MANAGEMENT OF NEW JERSEY	26	3,144.46
52249	07/16/20	WB MASON COMPANY, INC.	13	57.20
52250	07/16/20	WINDSTREAM COMMUNICATIONS	11	302.47

Total Operating Fund Checks: 96  
 Total Void Checks: 0  
 Total Void Check Amount: \$0.00  
 Total Operating Fund Checks Paid: \$665,537.61

<b>OPERATING FUND</b>	<b>0-01</b>	<b>\$1,342,898.39</b>
<b>BUILDING &amp; EQUIPMENT FUND</b>	<b>0-02</b>	<b><u>\$98,333.46</u></b>
<b>TOTAL OF ALL FUNDS:</b>		<b>\$1,441,231.85</b>

**Mr. Harms opened the floor to the Public for questions or comments**

None.

**Closed Session**

Mr. Lambe made a motion to close the meeting at 6:30 p.m. for discussion regarding the Tomar claim. The motion was second by Mr. Tomaine, and approved by those present.

Mr. Tomaine made a motion to return to the regular order of business at 6:39 p.m. The motion was second by Mr. Lambe, and approved by those present.

**Return to Regular Order of Business**

Is there any action based on what was discussed in Closed Session?

**Adjournment**

As there was no further business, on motion of Mr. Furci, second by Mr. Greet, the meeting adjourned at 6:39 p.m. The motion was approved by those present.

\_\_\_\_\_  
 Chairman

*Andrea DeCarlo*  
 \_\_\_\_\_  
 Andrea DeCarlo, Board Secretary

Attachments:  
 Flow Rights Report 06/2020  
 User Charge Report 06/2020



Monday, July 13, 2020

Re: Flow Rights Utilization Report - June 2020

Attached for your use please find Flow Rights Utilization Report for June 2020. The results are summarized below by town. The last column indicates the total 2020 measuring year flow rights exceedances for each municipality.

Member	Flow Rights (MGD)	Current Month		Measuring Year to Date		No. of Days Above Limit (2)	
		Avg Flow Rate (MGD)	Max Flow Rate (MGD)	Avg Flow Rate (MGD)	Max Flow Rate (MGD)	Current Month	Total for 2020 Measuring Year
		Clark	4.95	1.14	2.58	1.45	7.18
Cranford	9.19	2.58	4.56	3.38	11.83	0	6
Garwood	4.09	0.51	0.95	0.61	2.85	0	0
Kenilworth	2.75	0.78	1.19	0.92	2.51	0	0
Mountainside	3.15	0.67	1.04	0.74	1.95	0	0
Rahway	17.26	4.89	9.00	5.77	24.61	0	10
Roselle Park	1.94	0.44	1.23	0.56	1.76	0	0
Scotch Plains	4.73	1.06	1.67	1.25	3.40	0	0
Springfield	3.99	2.15	2.93	2.55	6.12	0	18
Westfield	10.94	2.70	4.73	3.43	11.18	0	1
Woodbridge	3.49	0.60	1.28	1.05	6.35	0	12

Notes:

- (1) All flow rates are based on the instantaneous meter readings for all meters.
- (2) All meters are recorded every 15 minutes.
- (3) The Flow Rights shown above reflect a 5% increase, effective October 1, 2014, per Resolution #14-24 as approved by RVSA Commissioners at their May 15, 2014 Regular Meeting.
- (4) Garwood and Springfield Flow Rights reflect a sale of 100,000 GPD effective July 1, 2019 as per Resolution #19-31.



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV11	RV17			RV09	RV10				
6/01	0	15:30	13.54	0.43			3.17	8.72			2.08	OK
6/02	0	23:45	14.11	0.46			3.30	9.07			2.21	OK
6/03	0.77	00:00	13.79	0.45			3.21	8.72			2.31	OK
6/04	0	13:15	14.61	0.54			3.55	9.34			2.26	OK
6/05	0.63	22:15	15.63	0.53			3.96	9.62			2.58	OK
6/06	0.08	12:15	15.81	0.57			4.18	9.83			2.37	OK
6/07	0	23:45	13.71	0.44			3.32	8.52			2.31	OK
6/08	0	23:45	13.47	0.44			3.15	8.64			2.11	OK
6/09	0	23:45	14.04	0.44			3.22	8.74			2.52	OK
6/10	0	14:30	13.22	0.46			3.12	8.47			2.09	OK
6/11	0.1	23:00	14.58	0.46			3.38	9.22			2.44	OK
6/12	0	12:30	14.30	0.50			3.43	9.28			2.09	OK
6/13	0	13:45	13.97	0.51			3.63	9.04			1.80	OK
6/14	0	17:00	12.85	0.46			3.09	8.21			2.01	OK
6/15	0	02:00	10.31	0.35			2.13	6.70			1.83	OK
6/16	0	13:30	13.08	0.44			3.14	8.51			1.87	OK
6/17	0	03:15	8.66	0.33			1.67	5.65			1.67	OK
6/18	0	15:45	13.30	0.43			3.08	8.62			2.03	OK
6/19	0.05	00:30	11.85	0.41			2.79	7.57			1.89	OK
6/20	0.15	16:30	13.68	0.46			3.22	9.00			1.92	OK
6/21	0	16:00	14.46	0.46			3.33	9.24			2.35	OK
6/22	0	23:45	13.27	0.45			3.17	8.44			2.11	OK
6/23	0	21:15	13.79	0.48			3.49	8.70			2.09	OK
6/24	0	13:45	13.15	0.46			3.25	8.33			2.04	OK
6/25	0	00:00	12.25	0.42			3.08	7.67			1.92	OK
6/26	0	01:00	10.92	0.38			2.54	6.99			1.77	OK
6/27	0.12	14:15	13.39	0.48			3.48	8.51			1.88	OK
6/28	0.02	17:00	12.93	0.47			3.14	8.35			1.92	OK
6/29	0	00:45	11.62	0.37			2.54	7.58			1.88	OK
6/30	0.21	14:00	12.36	0.42			2.86	8.05			1.87	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV10	RV13	RV30		RV02	RV03	RV29			
6/01	0	00:30	8.93	0.56	0.18		3.27	1.43	0.86		4.12	OK
6/02	0	15:30	9.36	0.63	0.23		3.42	1.64	1.11		4.06	OK
6/03	0.77	13:30	10.45	0.72	0.29		3.83	2.00	1.26		4.38	OK
6/04	0	12:00	9.95	0.73	0.23		3.78	1.82	1.16		4.15	OK
6/05	0.63	21:30	10.70	0.74	0.22		3.90	2.09	1.12		4.56	OK
6/06	0.08	16:00	10.55	0.74	0.22		3.74	2.01	1.20		4.56	OK
6/07	0	13:45	9.75	0.74	0.24		3.65	1.98	1.22		3.88	OK
6/08	0	11:45	9.68	0.67	0.25		3.75	1.83	1.27		3.76	OK
6/09	0	15:15	9.32	0.62	0.20		3.49	1.60	1.05		4.00	OK
6/10	0	12:15	9.61	0.68	0.25		3.71	1.67	1.17		3.98	OK
6/11	0.1	22:00	9.91	0.66	0.20		3.79	1.90	1.09		3.99	OK
6/12	0	17:15	9.01	0.61	0.19		3.26	1.60	1.15		3.80	OK
6/13	0	12:15	9.65	0.68	0.23		3.63	1.86	1.23		3.85	OK
6/14	0	15:45	9.55	0.62	0.20		3.44	1.73	1.05		4.16	OK
6/15	0	01:15	8.04	0.47	0.16		2.86	1.21	0.73		3.86	OK
6/16	0	01:00	8.11	0.50	0.16		2.92	1.21	0.78		3.86	OK
6/17	0	02:15	7.21	0.44	0.12		2.37	1.01	0.72		3.68	OK
6/18	0	00:30	8.54	0.54	0.15		3.05	1.36	0.87		3.95	OK
6/19	0.05	18:00	8.66	0.60	0.19		3.21	1.71	1.03		3.50	OK
6/20	0.15	15:45	9.67	0.64	0.18		3.52	1.77	1.18		4.02	OK
6/21	0	15:45	9.70	0.61	0.18		3.62	1.86	1.02		4.00	OK
6/22	0	15:30	9.02	0.61	0.20		3.37	1.53	1.03		3.90	OK
6/23	0	13:30	9.33	0.62	0.19		3.41	1.79	1.05		3.89	OK
6/24	0	19:00	8.47	0.58	0.22		3.04	1.61	1.06		3.57	OK
6/25	0	12:00	9.16	0.61	0.17		3.46	1.81	1.02		3.66	OK
6/26	0	13:15	9.25	0.60	0.19		3.48	1.65	1.13		3.78	OK
6/27	0.12	17:15	9.30	0.64	0.19		3.29	1.87	1.02		3.94	OK
6/28	0.02	16:30	8.94	0.57	0.15		3.10	1.57	0.93		4.06	OK
6/29	0	00:15	8.40	0.52	0.15		3.13	1.36	0.84		3.74	OK
6/30	0.21	18:00	8.64	0.62	0.15		3.06	1.44	1.00		3.90	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV03				RV04	RV05	RV06			
6/01	0	22:15	1.91				0.28	0.46	0.47		0.71	OK
6/02	0	22:00	2.03				0.31	0.39	0.52		0.81	OK
6/03	0.77	22:00	2.09				0.27	0.47	0.54		0.81	OK
6/04	0	21:00	2.04				0.30	0.47	0.49		0.78	OK
6/05	0.63	16:00	2.08				0.27	0.38	0.49		0.95	OK
6/06	0.08	17:00	2.06				0.30	0.43	0.50		0.83	OK
6/07	0	14:45	2.06				0.27	0.42	0.51		0.86	OK
6/08	0	10:45	2.02				0.29	0.42	0.50		0.82	OK
6/09	0	11:00	1.99				0.25	0.42	0.50		0.83	OK
6/10	0	09:30	1.93				0.32	0.46	0.50		0.66	OK
6/11	0.1	12:00	2.08				0.28	0.45	0.53		0.82	OK
6/12	0	11:00	1.93				0.22	0.44	0.53		0.74	OK
6/13	0	14:15	1.90				0.23	0.41	0.51		0.74	OK
6/14	0	22:30	1.88				0.26	0.43	0.45		0.75	OK
6/15	0	10:30	1.92				0.27	0.40	0.51		0.75	OK
6/16	0	22:30	1.87				0.22	0.40	0.47		0.78	OK
6/17	0	21:00	1.91				0.27	0.46	0.48		0.70	OK
6/18	0	22:15	1.89				0.24	0.42	0.46		0.77	OK
6/19	0.05	13:15	1.88				0.24	0.42	0.51		0.72	OK
6/20	0.15	14:15	1.90				0.22	0.41	0.50		0.78	OK
6/21	0	14:15	1.96				0.28	0.41	0.51		0.76	OK
6/22	0	22:15	1.90				0.24	0.44	0.47		0.74	OK
6/23	0	21:45	1.90				0.26	0.44	0.48		0.73	OK
6/24	0	12:45	1.84				0.27	0.41	0.48		0.69	OK
6/25	0	13:15	1.82				0.23	0.38	0.51		0.70	OK
6/26	0	11:30	1.86				0.28	0.41	0.50		0.68	OK
6/27	0.12	18:30	1.86				0.26	0.42	0.49		0.70	OK
6/28	0.02	13:30	1.83				0.25	0.43	0.50		0.65	OK
6/29	0	23:45	1.49				0.18	0.30	0.37		0.64	OK
6/30	0.21	12:15	2.09				0.24	0.40	0.52		0.93	OK

TOTAL

AVERAGE PEAK FLOW





## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV02	RV07			RV01	RV20				
6/01	0	18:30	3.30	0.63			2.26	0.73			0.95	OK
6/02	0	17:00	3.42	0.69			2.38	0.72			1.00	OK
6/03	0.77	19:15	3.69	0.73			2.44	0.80			1.18	OK
6/04	0	18:00	3.46	0.71			2.33	0.73			1.11	OK
6/05	0.63	18:15	3.62	0.74			2.49	0.76			1.11	OK
6/06	0.08	17:15	3.65	0.71			2.53	0.75			1.09	OK
6/07	0	13:30	3.79	0.72			2.60	0.85			1.05	OK
6/08	0	16:45	3.50	0.67			2.30	0.78			1.10	OK
6/09	0	17:15	3.38	0.67			2.17	0.75			1.14	OK
6/10	0	17:30	3.45	0.70			2.21	0.76			1.19	OK
6/11	0.1	20:00	3.74	0.66			2.44	0.81			1.14	OK
6/12	0	14:15	3.66	0.67			2.34	0.85			1.14	OK
6/13	0	11:45	3.63	0.72			2.43	0.81			1.12	OK
6/14	0	12:15	3.61	0.74			2.50	0.79			1.06	OK
6/15	0	16:45	3.40	0.65			2.21	0.76			1.07	OK
6/16	0	13:30	3.51	0.65			2.36	0.82			0.99	OK
6/17	0	12:30	3.62	0.67			2.32	0.92			1.05	OK
6/18	0	18:30	3.32	0.65			2.15	0.75			1.07	OK
6/19	0.05	18:30	3.36	0.64			2.20	0.77			1.03	OK
6/20	0.15	14:45	3.61	0.66			2.40	0.83			1.04	OK
6/21	0	14:30	3.77	0.63			2.57	0.86			0.97	OK
6/22	0	19:15	3.40	0.64			2.27	0.77			1.01	OK
6/23	0	16:15	3.30	0.64			2.18	0.78			0.98	OK
6/24	0	21:30	3.61	0.60			2.32	0.86			1.04	OK
6/25	0	18:15	3.25	0.65			2.17	0.73			1.01	OK
6/26	0	13:30	3.49	0.73			2.33	0.82			1.08	OK
6/27	0.12	12:15	3.54	0.64			2.42	0.80			0.95	OK
6/28	0.02	16:00	3.40	0.52			2.24	0.76			0.92	OK
6/29	0	19:00	3.13	0.61			2.13	0.71			0.91	OK
6/30	0.21	13:00	3.55	0.60			2.28	0.90			0.98	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV20									
6/01	0	11:45	0.93								0.93	OK
6/02	0	11:15	0.88								0.88	OK
6/03	0.77	11:30	0.97								0.97	OK
6/04	0	12:00	0.95								0.95	OK
6/05	0.63	19:45	1.04								1.04	OK
6/06	0.08	13:00	0.99								0.99	OK
6/07	0	12:45	0.88								0.88	OK
6/08	0	15:30	0.96								0.96	OK
6/09	0	11:00	0.94								0.94	OK
6/10	0	11:15	0.94								0.94	OK
6/11	0.1	11:00	0.93								0.93	OK
6/12	0	11:15	0.93								0.93	OK
6/13	0	13:00	0.85								0.85	OK
6/14	0	13:45	0.86								0.86	OK
6/15	0	11:45	0.94								0.94	OK
6/16	0	11:00	0.94								0.94	OK
6/17	0	11:15	0.96								0.96	OK
6/18	0	13:45	1.00								1.00	OK
6/19	0.05	11:45	0.89								0.89	OK
6/20	0.15	20:30	1.02								1.02	OK
6/21	0	13:30	0.89								0.89	OK
6/22	0	11:45	0.99								0.99	OK
6/23	0	11:30	0.93								0.93	OK
6/24	0	11:15	0.91								0.91	OK
6/25	0	11:45	0.91								0.91	OK
6/26	0	11:30	0.92								0.92	OK
6/27	0.12	18:30	0.82								0.82	OK
6/28	0.02	12:30	0.84								0.84	OK
6/29	0	11:00	0.89								0.89	OK
6/30	0.21	12:15	0.94								0.94	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV14	RV31			RV11	RV13	RV15	RV17		
6/01	0	17:30	20.16	0.00			11.89	0.63	0.66	0.41	6.58	OK
6/02	0	00:15	20.73	0.00			12.47	0.56	0.63	0.42	6.64	OK
6/03	0.77	04:15	18.91	0.00			8.87	0.66	0.57	0.39	8.42	OK
6/04	0	22:00	23.16	0.00			14.01	0.71	0.77	0.49	7.18	OK
6/05	0.63	22:45	24.82	0.00			14.84	0.70	0.85	0.46	7.97	OK
6/06	0.08	00:45	22.97	0.00			12.92	0.63	0.80	0.44	8.19	OK
6/07	0	00:00	22.51	0.00			12.85	0.60	0.75	0.41	7.90	OK
6/08	0	00:30	21.82	0.00			12.27	0.56	0.67	0.42	7.90	OK
6/09	0	00:30	21.24	0.00			12.33	0.57	0.62	0.40	7.31	OK
6/10	0	13:45	22.28	0.00			13.25	0.65	0.67	0.44	7.27	OK
6/11	0.1	16:30	22.15	0.00			13.31	0.66	0.69	0.40	7.08	OK
6/12	0	00:00	21.23	0.00			12.84	0.58	0.67	0.42	6.71	OK
6/13	0	15:45	21.12	0.00			13.14	0.62	0.75	0.44	6.16	OK
6/14	0	17:30	19.97	0.00			12.05	0.59	0.68	0.45	6.21	OK
6/15	0	02:15	16.67	0.00			9.24	0.42	0.39	0.35	6.28	OK
6/16	0	02:00	17.07	0.00			9.90	0.44	0.43	0.35	5.96	OK
6/17	0	14:00	20.68	0.00			12.46	0.62	0.64	0.42	6.54	OK
6/18	0	01:30	18.19	0.00			10.50	0.47	0.43	0.37	6.43	OK
6/19	0.05	19:00	20.62	0.00			12.34	0.65	0.71	0.45	6.47	OK
6/20	0.15	18:15	22.73	0.00			12.00	0.61	0.69	0.45	9.00	OK
6/21	0	23:00	21.44	0.00			12.56	0.62	0.73	0.46	7.08	OK
6/22	0	23:15	23.19	0.00			13.39	0.60	0.74	0.43	8.04	OK
6/23	0	00:15	21.65	0.00			12.09	0.53	0.64	0.41	7.98	OK
6/24	0	00:00	22.13	0.00			12.42	0.53	0.66	0.42	8.10	OK
6/25	0	01:00	20.29	0.00			11.14	0.48	0.51	0.38	7.79	OK
6/26	0	01:30	19.35	0.00			10.09	0.47	0.49	0.36	7.93	OK
6/27	0.12	00:45	18.79	0.00			10.46	0.49	0.55	0.40	6.90	OK
6/28	0.02	16:00	21.45	0.00			12.89	0.58	0.76	0.46	6.75	OK
6/29	0	01:45	17.20	0.00			9.68	0.45	0.44	0.35	6.29	OK
6/30	0.21	00:00	19.39	0.00			11.60	0.52	0.63	0.41	6.23	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV29				RV30	RV07				
6/01	0	07:15	1.86				0.20	0.52			1.14	OK
6/02	0	22:15	2.00				0.24	0.62			1.14	OK
6/03	0.77	19:30	2.10				0.25	0.70			1.16	OK
6/04	0	17:00	2.07				0.19	0.69			1.19	OK
6/05	0.63	13:00	2.12				0.25	0.70			1.17	OK
6/06	0.08	09:00	2.13				0.21	0.70			1.23	OK
6/07	0	20:00	1.99				0.23	0.64			1.13	OK
6/08	0	09:15	2.11				0.26	0.68			1.17	OK
6/09	0	14:00	2.05				0.21	0.67			1.17	OK
6/10	0	22:45	1.99				0.23	0.60			1.16	OK
6/11	0.1	20:15	2.09				0.25	0.65			1.20	OK
6/12	0	16:15	2.04				0.20	0.62			1.22	OK
6/13	0	21:15	1.95				0.20	0.59			1.16	OK
6/14	0	14:45	1.99				0.23	0.63			1.14	OK
6/15	0	08:15	1.96				0.19	0.58			1.19	OK
6/16	0	08:15	1.93				0.19	0.58			1.17	OK
6/17	0	09:15	2.02				0.24	0.61			1.18	OK
6/18	0	13:30	2.00				0.22	0.62			1.16	OK
6/19	0.05	10:15	2.03				0.24	0.65			1.14	OK
6/20	0.15	14:30	2.02				0.20	0.65			1.17	OK
6/21	0	14:30	1.98				0.19	0.63			1.16	OK
6/22	0	08:30	1.92				0.19	0.58			1.15	OK
6/23	0	19:00	1.98				0.19	0.61			1.17	OK
6/24	0	18:00	1.91				0.20	0.61			1.10	OK
6/25	0	10:30	1.92				0.20	0.63			1.09	OK
6/26	0	19:45	1.88				0.16	0.61			1.11	OK
6/27	0.12	15:30	1.88				0.19	0.58			1.11	OK
6/28	0.02	14:15	1.92				0.19	0.56			1.17	OK
6/29	0	16:15	1.90				0.17	0.62			1.11	OK
6/30	0.21	17:00	1.92				0.18	0.58			1.16	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV18	RV19								
6/01	0	21:30	1.10	0.48							1.57	OK
6/02	0	22:00	1.07	0.48							1.55	OK
6/03	0.77	09:45	1.11	0.47							1.58	OK
6/04	0	11:00	1.06	0.47							1.53	OK
6/05	0.63	10:30	1.04	0.48							1.52	OK
6/06	0.08	11:15	0.89	0.48							1.38	OK
6/07	0	12:00	0.89	0.52							1.41	OK
6/08	0	10:15	0.81	0.50							1.31	OK
6/09	0	21:30	0.97	0.46							1.43	OK
6/10	0	21:30	0.88	0.44							1.32	OK
6/11	0.1	20:15	0.83	0.48							1.31	OK
6/12	0	10:45	0.87	0.41							1.28	OK
6/13	0	12:15	0.87	0.50							1.37	OK
6/14	0	21:15	1.00	0.45							1.46	OK
6/15	0	21:15	0.89	0.40							1.29	OK
6/16	0	21:30	0.85	0.43							1.27	OK
6/17	0	21:45	0.95	0.42							1.36	OK
6/18	0	21:30	0.99	0.44							1.44	OK
6/19	0.05	11:00	1.06	0.43							1.49	OK
6/20	0.15	18:00	0.83	0.71							1.54	OK
6/21	0	12:30	0.98	0.52							1.50	OK
6/22	0	21:00	0.93	0.44							1.37	OK
6/23	0	21:30	1.13	0.40							1.53	OK
6/24	0	11:30	1.24	0.43							1.67	OK
6/25	0	09:45	1.14	0.47							1.61	OK
6/26	0	10:45	1.14	0.41							1.54	OK
6/27	0.12	13:00	1.22	0.43							1.64	OK
6/28	0.02	12:45	1.07	0.47							1.54	OK
6/29	0	09:30	1.04	0.45							1.49	OK
6/30	0.21	20:45	1.09	0.42							1.51	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV01									
6/01	0	12:00	2.75								2.75	OK
6/02	0	23:00	2.75								2.75	OK
6/03	0.77	22:15	2.88								2.88	OK
6/04	0	22:15	2.73								2.73	OK
6/05	0.63	19:00	2.81								2.81	OK
6/06	0.08	13:45	2.93								2.93	OK
6/07	0	14:00	2.70								2.70	OK
6/08	0	22:45	2.72								2.72	OK
6/09	0	23:30	2.68								2.68	OK
6/10	0	21:15	2.62								2.62	OK
6/11	0.1	21:45	2.71								2.71	OK
6/12	0	21:00	2.57								2.57	OK
6/13	0	13:00	2.62								2.62	OK
6/14	0	14:15	2.64								2.64	OK
6/15	0	12:15	2.68								2.68	OK
6/16	0	10:30	2.62								2.62	OK
6/17	0	12:00	2.60								2.60	OK
6/18	0	21:30	2.63								2.63	OK
6/19	0.05	13:45	2.64								2.64	OK
6/20	0.15	13:30	2.74								2.74	OK
6/21	0	12:45	2.75								2.75	OK
6/22	0	14:15	2.64								2.64	OK
6/23	0	21:15	2.73								2.73	OK
6/24	0	12:00	2.61								2.61	OK
6/25	0	22:15	2.66								2.66	OK
6/26	0	12:00	2.53								2.53	OK
6/27	0.12	13:45	2.61								2.61	OK
6/28	0.02	12:45	2.70								2.70	OK
6/29	0	10:15	2.54								2.54	OK
6/30	0.21	10:30	2.46								2.46	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

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MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV04	RV05	RV06	RV09	RV18	RV19				
6/01	0	22:15	0.28	0.46	0.47	3.76	1.06	0.40			3.50	OK
6/02	0	21:30	0.31	0.50	0.57	3.78	1.06	0.44			3.65	OK
6/03	0.77	10:30	0.32	0.46	0.57	4.04	1.07	0.43			3.89	OK
6/04	0	10:30	0.28	0.49	0.55	3.74	1.08	0.41			3.56	OK
6/05	0.63	20:45	0.33	0.50	0.56	4.17	0.42	0.41			4.73	OK
6/06	0.08	12:45	0.30	0.51	0.59	4.27	0.82	0.50			4.35	OK
6/07	0	12:45	0.28	0.50	0.56	3.85	0.84	0.49			3.85	OK
6/08	0	21:45	0.34	0.46	0.53	3.77	0.80	0.43			3.87	OK
6/09	0	21:00	0.29	0.50	0.53	3.62	0.81	0.39			3.74	OK
6/10	0	20:45	0.32	0.48	0.52	3.54	0.79	0.40			3.66	OK
6/11	0.1	22:00	0.30	0.50	0.50	3.65	0.84	0.41			3.71	OK
6/12	0	11:45	0.29	0.45	0.53	3.59	0.74	0.46			3.66	OK
6/13	0	13:30	0.25	0.41	0.54	3.66	0.78	0.46			3.62	OK
6/14	0	22:00	0.26	0.47	0.46	3.68	0.86	0.38			3.64	OK
6/15	0	10:45	0.26	0.41	0.52	3.53	0.72	0.40			3.60	OK
6/16	0	21:15	0.29	0.47	0.51	3.55	0.80	0.41			3.60	OK
6/17	0	10:45	0.26	0.44	0.53	3.53	0.75	0.43			3.57	OK
6/18	0	10:30	0.28	0.45	0.49	3.58	0.72	0.43			3.65	OK
6/19	0.05	12:15	0.29	0.42	0.54	3.52	0.99	0.39			3.40	OK
6/20	0.15	20:30	0.25	0.41	0.51	4.09	1.00	0.36			3.91	OK
6/21	0	13:15	0.31	0.44	0.57	3.89	0.97	0.45			3.80	OK
6/22	0	11:30	0.27	0.42	0.55	3.68	0.86	0.41			3.65	OK
6/23	0	10:45	0.25	0.44	0.52	3.51	0.91	0.40			3.41	OK
6/24	0	21:45	0.31	0.46	0.49	3.56	1.12	0.42			3.27	OK
6/25	0	10:15	0.26	0.57	0.50	3.52	1.07	0.40			3.38	OK
6/26	0	11:00	0.28	0.42	0.67	3.43	1.07	0.40			3.34	OK
6/27	0.12	17:30	0.28	0.47	0.53	3.43	0.97	0.41			3.34	OK
6/28	0.02	12:45	0.26	0.56	0.49	3.56	1.07	0.47			3.32	OK
6/29	0	11:30	0.30	0.41	0.51	3.37	0.89	0.42			3.28	OK
6/30	0.21	11:30	0.24	0.43	0.50	3.34	0.88	0.37			3.26	OK

TOTAL

AVERAGE PEAK FLOW



## FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF VIOLATIONS THIS MONTH:

FORMULA

MAX. FLOW:  AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV15									
6/01	0	22:15	0.78								0.78	OK
6/02	0	20:30	0.79								0.79	OK
6/03	0.77	21:15	0.91								0.91	OK
6/04	0	12:00	0.96								0.96	OK
6/05	0.63	10:30	0.98								0.98	OK
6/06	0.08	13:30	1.07								1.07	OK
6/07	0	13:45	0.97								0.97	OK
6/08	0	12:00	0.81								0.81	OK
6/09	0	10:45	0.79								0.79	OK
6/10	0	11:00	0.77								0.77	OK
6/11	0.1	21:45	0.77								0.77	OK
6/12	0	11:30	0.78								0.78	OK
6/13	0	13:15	0.86								0.86	OK
6/14	0	13:00	0.86								0.86	OK
6/15	0	20:30	0.73								0.73	OK
6/16	0	22:45	0.73								0.73	OK
6/17	0	21:00	0.72								0.72	OK
6/18	0	22:15	0.72								0.72	OK
6/19	0.05	10:00	0.81								0.81	OK
6/20	0.15	19:30	1.28								1.28	OK
6/21	0	13:45	0.98								0.98	OK
6/22	0	20:15	0.78								0.78	OK
6/23	0	20:00	0.75								0.75	OK
6/24	0	21:15	0.74								0.74	OK
6/25	0	13:30	0.74								0.74	OK
6/26	0	14:15	0.71								0.71	OK
6/27	0.12	13:00	0.83								0.83	OK
6/28	0.02	13:15	0.83								0.83	OK
6/29	0	14:00	0.73								0.73	OK
6/30	0.21	22:15	0.73								0.73	OK

TOTAL

AVERAGE PEAK FLOW





## 2020 FIVE YEAR MOVING AVERAGE STATUS REPORT

### June, 2020

Member	Fractional Share of the Contribution ("Percent Share")						5 Year Moving Average	
	Measuring Year (Oct - Sept)						Current Average (2)	Previous Average (3)
	2015	2016	2017	2018	2019 (4)	2020(1)		
Clark	7.24%	6.02%	7.44%	10.17%	8.33%	8.00%	7.99%	7.84%
Cranford	8.99%	5.98%	6.69%	7.25%	9.95%	11.56%	8.29%	7.77%
Garwood	2.88%	1.89%	3.31%	2.74%	2.33%	2.22%	2.50%	2.63%
Kenilworth	2.61%	5.33%	5.61%	4.09%	5.30%	3.49%	4.76%	4.58%
Mountainside	3.39%	3.89%	3.88%	3.68%	2.90%	2.46%	3.36%	3.55%
Rahway	14.41%	18.87%	13.71%	14.04%	18.01%	22.01%	17.33%	15.81%
Roselle Park	1.38%	1.62%	1.04%	0.84%	1.61%	2.11%	1.44%	1.30%
Scotch Plains	7.32%	4.62%	5.15%	5.88%	4.56%	4.22%	4.89%	5.51%
Springfield	11.08%	9.97%	9.18%	9.28%	9.28%	9.33%	9.41%	9.76%
Westfield	13.49%	18.87%	16.26%	14.79%	15.64%	14.59%	16.03%	15.81%
Woodbridge	27.21%	22.94%	27.73%	27.24%	22.09%	20.00%	24.00%	25.44%
	100.00%	100.00%	100.00%	100.00%	100.00%	99.99%	100.00%	100.00%

Notes:

- (1) Figures computed based on Flow, BOD and TSS data received as of reporting month.
- (2) Five year moving average consisting of 2016, 2017, 2018, 2019, and month to date for 2020
- (3) Five year moving average consisting of 2015, 2016, 2017, 2018, and 2019
- (4) Average of Old and New Methods



## 2020 Town Annual Percent Share June, 2020

Member	Average Daily Flow (MGD)		Biochemical Oxygen Demand (Tons/Day)		Total Suspended Solids (Tons/Day)		Annual Percent Share		
	2019	2020	2019	2020	2019	2020	2019	2019(3)	2020
Clark	1.72	1.55	1.40	1.80	1.54	1.53	7.78%	8.33%	8.00%
Cranford	3.71	3.21	1.49	1.86	2.44	2.32	11.66%	9.95%	11.56%
Garwood	0.75	0.60	0.32	0.36	0.51	0.45	2.43%	2.33%	2.22%
Kenilworth	1.59	0.93	0.70	0.58	1.11	0.71	5.27%	5.30%	3.49%
Mountainside	0.78	0.69	0.30	0.39	0.50	0.49	2.40%	2.90%	2.46%
Rahway	5.24	5.76	2.41	3.70	3.74	4.50	17.68%	18.01%	22.01%
Roselle Park	0.66	0.54	0.30	0.36	0.49	0.43	2.24%	1.61%	2.11%
Scotch Plains	1.37	1.18	0.54	0.68	0.89	0.85	4.27%	4.56%	4.22%
Springfield	2.94	2.51	1.27	1.53	2.02	1.89	9.59%	9.28%	9.33%
Westfield	4.52	3.68	2.20	2.50	3.36	3.03	15.76%	15.64%	14.59%
Woodbridge (1)(2)	6.54	5.17	2.88	3.53	4.14	3.93	20.92%	22.09%	20.00%
Totals:	29.82	25.82	13.81	17.30	20.74	20.14	100.00%	100.00%	99.99%

### Equations

Assumptions: 200 gpd flow per unit at 200 mg/L BOD and TSS concentrations

- (a) Flow Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD)
- (b) BOD Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD) x (200 mg/L) x (8.34 lbs/g) / (2000 lbs/ton)
- (c) TSS Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD) x (200 mg/L) x (8.34 lbs/g) / (2000 lbs/ton)

### Notes:

- (1) Woodbridge MGD Adjustment includes a 0.50 MGD flow credit per section 11.5 of the 1995 Agreement
- (2) Woodbridge TSS Adjustment includes an 833 lbs/day credit per section 11.5 of the 1995 Agreement
- (3) 2019 blended rate of old and new methods



## 2020 Intermunicipal Adjustment Report June, 2020

Member	Dwelling Unit Quantity			Average Daily Flow (MGD)			Average BOD (Tons/Day)			Average TSS (Tons/Day)		
	Bill To	Credit To	Total Adjustment	Average Flow	Adjustment (a)	Final Flow	Average BOD	Adjustment (b)	Final BOD	Average TSS	Adjustment (c)	Final TSS
Clark	479	0	479	1.45	0.0958	1.55	1.72	0.0799	1.80	1.45	0.0799	1.53
Cranford	242	1,092	-850	3.38	-0.1700	3.21	2.00	-0.1418	1.86	2.46	-0.1418	2.32
Garwood	54	110	-56	0.61	-0.0112	0.60	0.37	-0.0093	0.36	0.46	-0.0093	0.45
Kenilworth	62	38	24	0.92	0.0048	0.93	0.58	0.0040	0.58	0.71	0.0040	0.71
Mountainside	105	339	-234	0.74	-0.0468	0.69	0.43	-0.0390	0.39	0.53	-0.0390	0.49
Rahway	13	15	-2	5.76	-0.0004	5.76	3.70	-0.0003	3.70	4.50	-0.0003	4.50
Roselle Park	38	117	-79	0.56	-0.0158	0.54	0.38	-0.0132	0.36	0.45	-0.0132	0.43
Scotch Plains	66	413	-347	1.25	-0.0694	1.18	0.73	-0.0579	0.68	0.90	-0.0579	0.85
Springfield	0	186	-186	2.55	-0.0372	2.51	1.56	-0.0310	1.53	1.93	-0.0310	1.89
Westfield	1,425	175	1,250	3.43	0.2500	3.68	2.29	0.2085	2.50	2.82	0.2085	3.03
Woodbridge (1)(2)	10	9	1	5.67	-0.4998	5.17	3.53	0.0002	3.53	4.35	-0.4163	3.93
Totals:	2,494	2,494	0	26.32	-0.5000	25.82	17.30	0.0000	17.30	20.55	-0.4165	20.14

### Equations

Assumptions: 200 gpd flow per unit at 200 mg/L BOD and TSS concentrations

- (a) Flow Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD)
- (b) BOD Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD) x (200 mg/L) x (8.34 lbs/g) / (2000 lbs/ton)
- (c) TSS Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD) x (200 mg/L) x (8.34 lbs/g) / (2000 lbs/ton)

### Notes:

- (1) Woodbridge MGD Adjustment includes a 0.50 MGD flow credit per section 11.5 of the 1995 Agreement
- (2) Woodbridge TSS Adjustment includes an 833 lbs/day credit per section 11.5 of the 1995 Agreement



## Member BOD and TSS Loading Contribution June, 2020

Member	Average Daily Industrial Loading (1)		Average Daily Flow (MGD)	Inter-Mun Adj(2) (MGD)	Adj. Avg. Daily Flow (MGD)	Member Contribution			
	BOD (Tons/Day)	TSS (Tons/Day)				Domestic Loading		Total Loading	
						BOD (Tons/Day)	TSS (Tons/Day)	BOD (Tons/Day)	TSS (Tons/Day)
Clark	0.76	0.26	1.45	0.0958	1.55	0.96	1.19	1.72	1.45
Cranford			3.38	-0.1700	3.21	2.00	2.46	2.00	2.46
Garwood			0.61	-0.0112	0.60	0.37	0.46	0.37	0.46
Kenilworth	0.00	0.00	0.92	0.0048	0.93	0.58	0.71	0.58	0.71
Mountainside	0.00	0.00	0.74	-0.0468	0.69	0.43	0.53	0.43	0.53
Rahway	0.11	0.08	5.76	-0.0004	5.76	3.59	4.42	3.70	4.50
Roselle Park	0.04	0.03	0.56	-0.0158	0.54	0.34	0.42	0.38	0.45
Scotch Plains			1.25	-0.0694	1.18	0.73	0.90	0.73	0.90
Springfield	0.00	0.00	2.55	-0.0372	2.51	1.56	1.93	1.56	1.93
Westfield			3.43	0.2500	3.68	2.29	2.82	2.29	2.82
Woodbridge	0.00	0.00	5.67	0.0002	5.67	3.53	4.35	3.53	4.35
Totals:	0.91	0.37	26.32	0.00	26.32	16.39	20.18	17.30	20.55

Notes:

- (1) As measured and reported by the RVSA SIU IPP Industrial Loading
- (2) Does not include the 0.50 MGD Woodbridge Credit



## 2020 Plant Influent Loading June, 2020

	2019			2020									Average To Date
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
<b>Plant Influent Flow and Sample Data</b>													
Avg. Daily Flow (MGD) (1)	22.94	22.96	33.86	26.41	27.68	27.67	28.57	25.11	21.72	0.00	0.00	0.00	26.32
Avg. BOD (mg/l) (2)	146	147	155	187	165	157	134	150	181				158
Avg. TSS (mg/l) (2)	206	188	150	223	186	186	151	185	234				189.92
<b>Total Influent Loading (a)(b)</b>													
BOD (Tons/Day)	13.97	14.08	21.88	20.59	19.04	18.10	15.93	15.73	16.35	0.00	0.00	0.00	17.30
TSS (Tons/Day)	19.71	18.00	21.18	24.52	21.47	21.49	18.04	19.34	21.22	0.00	0.00	0.00	20.55
<b>Total Industrial Contribution (3)</b>													
BOD (Tons/Day)											0.91		
TSS (Tons/Day)											0.37		
<b>Total Domestic Influent Loading</b>													
BOD (Tons/Day)											16.39		
TSS (Tons/Day)											20.18		

**Equations**

- (a) BOD Loading (Tons/Day) = Average Daily Flow (MGD) x Avg BOD (mg/L) x (8.34 lbs/gal) / (2000 lbs/ton)
- (b) TSS Loading (Tons/Day) = Average Daily Flow (MGD) x Avg TSS (mg/L) x (8.34 lbs/gal) / (2000 lbs/ton)

**Notes:**

- (1) Average Daily Flow = RV12 + RV14 + RV31
- (2) BOD and TSS Concentrations measured at the RVSA Raw Influent Sampler as reported to the NJDEP
- (3) As measured and reported by the RVSA SIU IPP Industrial Loading



## 2020 Average Daily Flow Report June, 2020

Meter #	2019			2020									Average To Date
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
RV01	2.28	2.29	3.06	2.72	2.64	2.62	2.68	2.49	2.15				2.55
RV02	3.59	3.24	4.03	3.60	3.64	3.55	3.63	3.48	3.03				3.53
RV03	1.63	1.58	2.26	1.76	1.87	1.85	1.95	1.74	1.50				1.79
RV04	0.26	0.24	0.31	0.25	0.25	0.26	0.27	0.25	0.22				0.26
RV05	0.37	0.35	0.49	0.41	0.40	0.40	0.43	0.32	0.35				0.39
RV06	0.49	0.48	0.74	0.57	0.59	0.53	0.53	0.47	0.42				0.53
RV07	0.65	0.62	0.79	0.67	0.70	0.70	0.71	0.66	0.58				0.67
RV09	2.90	2.92	4.37	3.55	3.84	3.76	3.95	3.42	2.78				3.50
RV10	8.04	8.24	11.60	9.49	9.70	9.40	9.93	8.93	7.57				9.21
RV11	11.74	11.93	17.23	14.06	14.63	14.21	15.02	13.31	11.06				13.69
RV12	3.81	3.96	5.75	4.40	4.63	4.99	5.22	4.66	4.19				4.62
RV13	0.62	0.66	0.94	0.75	0.80	0.75	0.78	0.69	0.56				0.73
RV14	19.12	19.00	27.99	21.93	23.05	22.66	23.34	20.44	17.53				21.67
RV15	0.90	0.92	1.67	1.12	1.23	1.18	1.04	0.81	0.60				1.05
RV16A	23.01	22.48	33.48	25.77	27.01	27.77	29.99	24.93	21.53				26.22
RV17	0.47	0.45	0.54	0.47	0.49	0.48	0.48	0.44	0.42				0.47
RV18	0.89	0.80	0.79	0.65	0.93	0.96	1.03	0.99	0.71				0.86
RV19	0.34	0.35	0.44	0.40	0.40	0.40	0.42	0.38	0.35				0.39
RV20	0.71	0.71	0.84	0.76	0.76	0.73	0.75	0.71	0.67				0.74
RV22	14.31	14.56	19.83	16.50	17.16	16.69	17.47	16.25	13.55				16.26
RV27	0.35	0.03	1.93	0.00	0.12	0.34	0.39	0.00	0.02				0.35
RV28	0.13	0.00	0.73	0.05	0.01	0.19	0.28	0.00	0.00				0.15
RV29	1.26	1.33	1.79	1.47	1.48	1.45	1.54	1.39	1.21				1.44
RV30	0.17	0.19	0.27	0.17	0.17	0.21	0.24	0.23	0.19				0.20
RV31	0.02	0.00	0.12	0.08	0.00	0.03	0.01	0.01	0.00				0.03



## 2020 Average Industrial TSS Loading Report June, 2020

		Average Daily TSS Loading (Tons/Day)											AVG T/D	Town Total	
		Oct 31	Nov 30	Dec 31	Jan 31	Feb 29	Mar 31	Apr 30	May 31	Jun 30	Jul 31	Aug 31			Sep 30
Kerry 1	Clark	0.002	0.003	0.002	0.001	0.003			0.001					0.0020	0.26000
Kerry 2	Clark	0.011	0.004	0.008	0.008	0.006	0.009		0.005					0.0073	
Kerry 3	Clark	0.003	0.019	0.004	0.028	0.027			0.023					0.0177	
Kerry 4	Clark	0.110	0.381	0.709	0.193	0.138	0.043		0.082					0.2366	
B&M Finishers	Kenilworth	0.000	0.000	0.000	0.000	0.000	0.000		0.000					0.0001	0.00000
Kenilworth Anodizing	Kenilworth	0.000	0.000	0.000	0.000	0.000	0.000		0.000					0.0000	
American Aluminum	Mountainside	0.002	0.001	0.002	0.001	0.001	0.001		0.000					0.0011	0.00000
Clean Haven	Rahway														
Guest Packaging 02	Rahway	0.001	0.002	0.003	0.007	0.001	0.003		0.005					0.0032	0.08000
Guest Packaging 03	Rahway	0.001	0.002	0.002	0.001	0.001	0.001		0.002					0.0013	
Merck 007	Rahway	0.017	0.013	0.016	0.018	0.011	0.008	0.000	0.004					0.0109	
Merck 012	Rahway	0.090	0.081	0.144	0.046	0.050	0.053	0.001	0.020					0.0606	
Quala Systems	Rahway	0.002	0.016	0.009	0.005	0.007			0.002					0.0069	
Suez Water Rahway	Rahway	0.001	0.002	0.001	0.002	0.001	0.002		0.003					0.0016	
Crossfield Products (Not currently an SIU)	Roselle Park	0.001			0.002				0.006					0.0030	0.03000
Merck Kenilworth (formerly Schering)	Roselle Park	0.024	0.040	0.064	0.027	0.026	0.027	0.003	0.008					0.0273	
Valcor Engineering	Springfield	0.000	0.003	0.003	0.001	0.007	0.002		0.001					0.0023	0.00000
BASF 1	Woodbridge	0.004	0.003	0.001	0.002	0.002			0.001					0.0019	0.00000
BASF 2	Woodbridge	0.002	0.001	0.001	0.001	0.002			0.002					0.0013	
Gentek Building Products	Woodbridge	0.000	0.000		0.000	0.000	0.000		0.000					0.0001	
<b>Total Tons</b>		0.271	0.570	0.968	0.343	0.284	0.150	0.004	0.164	0.000	0.000	0.000	0.000	0.3851	0.37000



## 2020 Average Industrial BOD Loading Report June, 2020

		Average Daily BOD Loading (Tons/Day)											AVG T/D	Town Total	
		Oct 31	Nov 30	Dec 31	Jan 31	Feb 29	Mar 31	Apr 30	May 31	Jun 30	Jul 31	Aug 31			Sep 30
SIUName	Town														
Kerry 1	Clark	0.002	0.003	0.002	0.002	0.001			0.000					0.0017	0.76000
Kerry 2	Clark	0.062	0.036	0.022	0.067	0.032	0.049		0.033					0.0429	
Kerry 3	Clark	0.073	0.033	0.012	0.096	0.314			0.175					0.1172	
Kerry 4	Clark	0.079	0.693	1.380	0.818	0.431	0.271		0.517					0.5984	
B&M Finishers	Kenilworth	0.000	0.000	0.000	0.000	0.000	0.000		0.000					0.0000	0.00000
Kenilworth Anodizing	Kenilworth	0.000	0.000	0.000	0.000	0.000	0.000		0.000					0.0000	
American Aluminum	Mountainside	0.000	0.001	0.000	0.000	0.001	0.001		0.001					0.0005	0.00000
Clean Haven	Rahway														
Guest Packaging 02	Rahway	0.006	0.006	0.010	0.011	0.005	0.003		0.007					0.0069	0.11000
Guest Packaging 03	Rahway	0.004	0.012	0.006	0.002	0.002	0.003		0.001					0.0043	
Merck 007	Rahway	0.008	0.007	0.007	0.008	0.007	0.004	0.001	0.003					0.0055	
Merck 012	Rahway	0.034	0.035	0.056	0.034	0.033	0.034	0.001	0.008					0.0294	
Quala Systems	Rahway	0.181	0.078	0.032	0.030	0.011			0.050					0.0636	
Suez Water Rahway	Rahway	0.002	0.003	0.001	0.001	0.002	0.000		0.001					0.0015	
Crossfield Products (Not currently an SIU)	Roselle Park	0.001			0.001				0.000					0.0008	0.04000
Merck Kenilworth (formerly Schering)	Roselle Park	0.024	0.065	0.052	0.057	0.036	0.030	0.005	0.016					0.0356	
Valcor Engineering	Springfield	0.001	0.003	0.003	0.001	0.003	0.002		0.002					0.0023	0.00000
BASF 1	Woodbridge	0.002	0.001	0.002	0.002	0.001			0.001					0.0014	0.00000
BASF 2	Woodbridge	0.001	0.001	0.001	0.002	0.002			0.001					0.0011	
Gentek Building Products	Woodbridge	0.000	0.000		0.000	0.000	0.000		0.000					0.0001	
<b>Total Tons</b>		<b>0.479</b>	<b>0.978</b>	<b>1.586</b>	<b>1.131</b>	<b>0.882</b>	<b>0.396</b>	<b>0.007</b>	<b>0.816</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.9132</b>	<b>0.91000</b>