

RAHWAY VALLEY SEWERAGE AUTHORITY
Finance Committee Meeting Minutes – February 15, 2024

Mr. Harms, Finance Committee Chairman, called the meeting to order at 5:30 p.m., and asked that the recorder be turned on.

Mr. Harms 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 28, 2023. 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.

Mr. Harms requested a salute to the flag and a moment of silence.

Roll Call

The following members were present:

Frank G. Mazzarella	for the Township of Clark
Chris Kolibas	for the Township of Cranford
Stephen D. Greet	for the Borough of Garwood
Robert M. Beiner	for the Borough of Kenilworth
John J. Tomaine	for the Borough of Mountainside
* Robert Rachlin	for the City of Rahway
Loren Harms	for the Borough of Roselle Park
Raymond Szpond	for the Township of Scotch Plains
Michael Furci	for the Township of Springfield
Edward Gottko	for the Town of Westfield
Michael J. Gelin	for the Township of Woodbridge

The following were also present:

John Buonocore	Executive Director
Andrea DeCarlo	Purchasing Agent/Board Secretary
Karen Musialowicz	Secretary-Treasurer
Doug Reno	Assistant Director/Superintendent
Janet Thevenin	Manager of Regulatory Compliance
Dennis Estis	General Counsel – Greenbaum, Rowe, Smith
Howard Matteson	Consulting Engineer – CDM Smith

* via conference call

New Business

The Finance Committee has reviewed the Bills and Claims, 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. Gottko, second by Mr. Tomaine, the meeting adjourned at 5:32 p.m. The motion was approved by those present.

Chairman

Andrea De Carlo

Andrea DeCarlo, Board Secretary

RAHWAY VALLEY SEWERAGE AUTHORITY

Summary of Minutes – Regular Meeting held February 15, 2024

- Communications
Resolution from the Borough of Garwood

- Oaths of Office
Michael Gelin was sworn in as Commissioner for the Township of Woodbridge; Stephen Greet was sworn in as Commissioner for the Borough of Garwood; John Tomaine was sworn in as Commissioner for the Borough of Mountainside; John Tomaine was sworn in as Chairman; and Stephen Greet was sworn in as Vice Chairman.

- Approval of Minutes
January 18, 2024 Finance Committee and Regular Meetings

- Treasurer’s Report
Reports for the months of October & November 2023

- 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
A report was given by the Finance Committee.

- Unfinished Business
None

- Consent Agenda / New Business
The following actions were taken: Designation of signatures to appear on RVSA checks; Extension of Contracts #2114 and #2232; and Waiving of Flow Rights Violations.

- Bills & Claims		
OPERATING FUND	01	\$1,257,786.28
BUILDING & EQUIPMENT FUND	02	<u>1,092,911.46</u>
TOTAL OF ALL FUNDS:		\$2,350,697.74

RAHWAY VALLEY SEWERAGE AUTHORITY
Regular Meeting Minutes – February 15, 2024

The Chairman, Robert Beiner, called the meeting to order at 5:32 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 was forwarded to the Star Ledger, the Home News Tribune, and the Clerk of each of the eleven member municipalities on February 28, 2023.

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:

Frank G. Mazzarella	for the Township of Clark
Chris Kolibas	for the Township of Cranford
Stephen D. Greet	for the Borough of Garwood
Robert M. Beiner	for the Borough of Kenilworth
John J. Tomaine	for the Borough of Mountainside
* Robert Rachlin	for the City of Rahway
Loren Harms	for the Borough of Roselle Park
Raymond Szpond	for the Township of Scotch Plains
Michael Furci	for the Township of Springfield
Edward Gottko	for the Town of Westfield
Michael J. Gelin	for the Township of Woodbridge

The following were also present:

John Buonocore	Executive Director
Andrea DeCarlo	Purchasing Agent/Board Secretary
Karen Musialowicz	Secretary-Treasurer
Doug Reno	Assistant Director/Superintendent
Janet Thevenin	Manager of Regulatory Compliance
Dennis Estis	General Counsel – Greenbaum, Rowe, Smith
Howard Matteson	Consulting Engineer – CDM Smith

* attended via conference call

Communications

A resolution was received from the Borough of Garwood on January 19th stating that Stephen Greet has been reappointed to the Authority’s Board for a five-year term.

Oaths of Office

- Mr. Gelin was sworn in as Commissioner for the Township of Woodbridge.
- Mr. Greet was sworn in as Commissioner for the Borough of Garwood.
- Mr. Tomaine was sworn in as Commissioner for the Borough of Mountainside.

Election of Officers

Mr. Beiner, the Board Chairman, asked the Secretary to please conduct the election for Chairman for the year ending February 20, 2025. The Secretary asked the Nominating Committee for its recommendation for the Office of Chairman for the year ending February 20, 2025.

Mr. Gelin, Nominating Committee Chairman, stated that the Nominating Committee nominates John Tomaine for Chairman for the year ending February 20, 2025. The motion was second by Mr. Furci.

The Secretary asked if there were any other nominations. There being none, she asked for a motion that the nominations be closed. Mr. Gelin made a motion that the nominations be closed. The motion was second by Mr. Mazzarella and unanimously approved.

The Secretary cast a ballot for the election of John Tomaine as Chairman, and declared John Tomaine the duly elected Chairman for the year ending February 20, 2025.

The New Chairman, John Tomaine, took over conducting the meeting.

Mr. Tomaine asked the Secretary to please conduct the election for Vice Chairman for the year ending February 20, 2025. The Secretary asked the Nominating Committee for its recommendation for the Office of Vice Chairman for the year ending February 20, 2025.

Mr. Gelin stated that the Nominating Committee nominates Stephen Greet for Vice Chairman for the year ending February 20, 2025. The motion was second by Mr. Mazzarella.

The Secretary asked if there were any other nominations. There being none, she asked for a motion that the nominations be closed. Mr. Gelin made a motion that the nominations be closed. The motion was second by Mr. Beiner and unanimously approved.

The Secretary cast a ballot for the election of Stephen Greet as Vice Chairman, and declared Stephen Greet the duly elected Vice Chairman for the year ending February 20, 2025.

Oaths of Office

Mr. Tomaine was sworn in as Chairman and Mr. Greet was sworn in as Vice Chairman.

Mr. Tomaine presented Mr. Beiner with a plaque in appreciation of his term as Chairman and thanked him for a job well done.

Approval of Minutes

Mr. Greet made a motion, second by Mr. Beiner, to approve the minutes of the Finance Committee and Regular Meetings held January 18, 2024. The motion was unanimously approved, with the exception of Mr. Furci, who abstained.

Report of Treasurer

Reports for the months of October and November 2023 were received and forwarded to the Commissioners.

Report of Superintendent

Doug Reno submitted the following report for January 2024.

Permit

January Permit Compliance was 100%. All results were well below permit limits.

Equipment

- Dryer work is ongoing. Inspection held on 2/5 called out several areas of necessary welding touch-up work. Welding touch-up work is complete. Final Inspection scheduled for 2/11. Pressure Testing expected to be completed 2/13. Equipment shakedown to commence ASAP. Dryer start-up on target for end of February, barring any further equipment issues.
- Rebuild of Cogen engine #2 is ongoing. Expected to be back online Q1 2024. Mr. Reno stated that this should be ready to start testing by the end of the month.
- Digester gas cleaning system is back online. Currently burning digester gas in engines.

Mr. Gelin stated that other treatment plants have their own equipment which they are able to lend to out to help their member municipalities, and asked if the Authority would consider doing something similar. Mr. Buonocore stated that financially, it makes the most sense for us to contract out for jet-vac work rather than purchase and operate our own truck, though we have considered purchasing a smaller vac truck. Mr. Reno stated that even for an old, worn out truck, the purchase price is well into the six-figure range. Mr. Buonocore added that the jet-vac trucks are highly pressurized, and therefore can be dangerous to operate if not used frequently enough.

Report of Executive Director

The following Sewer Treatment Endorsements were processed since the last meeting. A copy of the log sheet with additional information regarding these applications has been distributed for your reference.

2024 Treatment Endorsement Permits 0-1999 gpd							
RVSA Number					Date	Applicant's Name	Municipality
2780	-	24	-	WB	02/09/24	Knock-On-Wood LLC	Woodbridge
2781	-	24	-	WB	02/09/24	Knock-On-Wood LLC	Woodbridge
2782	-	24	-	WB	02/13/24	Seth Latif	Woodbridge

Municipal Monthly Collection System Reports

The following Reports were received since the last regular meeting:

- Clark – January 2024
- Cranford – January 2024
- Garwood – January 2024
- Kenilworth – January 2024
- Mountainside – January 2024

Rahway – January 2024
Scotch Plains – December 2023 & January 2024
Westfield – January 2024
Woodbridge – January 2024

Plant O&M Update

Mr. Buonocore reported that we are beginning to host tours of the treatment plant again, and have one scheduled for March 8th. He also mentioned that the AEA Spring Conference will be taking place in Atlantic City the following week. He mentioned that the bar screen project is moving along and that the manufacturer's representative is scheduled to come out on March 18th to begin testing. He also reiterated Mr. Reno's statement that the Cogen facility should be back online by the end of the month and processing sludge again.

Collection System O&M Update

Mr. Buonocore stated that a kickoff meeting was held with the manhole inspection contractor and noted that they seemed very well prepared. He stated that this work would be progressing soon and that the staff is very excited about that. He also noted that the specification for the repair work should be ready to bid in the Spring.

Lastly, he mentioned an ongoing discussion that has been taking place with Mr. Estis and the attorneys from Mountainside and Westfield regarding a connection for a development that will be taking the place of Williams Nursery. He stated that there is a question on where the flow is going, as it is in Westfield but the flow is being recorded by Mountainside's meter. Therefore, he stated, an adjustment will be needed to account for this. Mr. Furci asked Mr. Buonocore to keep a close eye on this, as it is right next to where Springfield had an I&I issue a few years back. Mr. Buonocore stated that the Authority volunteered to perform dye testing to determine exactly where the flow is going.

Alternative/Special Projects

Since this matter involves ongoing negotiations, an update will be provided in Closed Session.

Contract #2114 – Electric Curtailment Services (for Payment to RVSA)

Our Electric Curtailment contract with NuEnergen is set to expire on March 31st. As we are satisfied with the current services being provided, I am recommending a one-year contract extension thru March 31, 2025. NuEnergen has agreed to an extension based on the original contract terms and pricing; and action authorizing same is on the agenda.

Contract #2232 – Air Emissions Testing

Our contract with AirNova, Inc. will be expiring on March 31st and Janet Thevenin has advised that additional time is needed to complete the testing. AirNova has agreed to extend the contract for one additional year, and action authorizing same is on the agenda.

Monthly Reports

The Monthly Operations, IPP, Flow Rights, and User Charge Reports were received and forwarded to the Commissioners for review. With regard to the Flow Rights Report, Mr. Greet pointed out that there were two dates in January in which only a few of the towns did not have violations. Mr. Furci stated that there were several dates in which this occurred in December and January.

Report of Consulting Engineer

Howard Matteson, Consulting Engineer from the firm CDM Smith, submitted the following report for work activities for the month of January 2024 and through the date of this report.

A. Retainer Services

During the period, CDM Smith prepared the monthly report for January 2024 and attended the January 2024 Board Meeting.

B. Miscellaneous Engineering Services

During the period, CDM Smith performed the following:

- Finalized development of cured-in-place-pipe (CIPP) contract documents and began internal review of same prior to submission to staff.
- Drafted Technical Memorandum on summarizing findings. Mr. Matteson stated that the memo is almost final and will be sent out shortly.

C. Influent Bar Screen Replacement

During the period, CDM Smith performed the following:

- Coordinated with Contractor related to shop drawing submissions, field conditions, and equipment deliveries.
- Coordinated with Contractor to obtain details regarding the equipment and location of proposed hydraulic actuators.
- Provided limited observation of the Contractor related to demolition of coarse bar screen #2 and #3, and preparation for demolition of coarse bar screen #1.
- Participated in progress meeting with the Contractor. Mr. Matteson stated that the schedule has been reasonable, and we will do our best to keep them on track.

D. Woodbridge Spur Permitting

During the period, CDM Smith performed the following:

- Continued coordinating with DEP staff on the remaining Flood Hazard Area Individual Permit review. During the period, made additional minor revisions to the plan based on DEP comments and resubmitted same. Mr. Matteson stated that approval was received from two of the three reviewers; and the third reviewer has until the 21st to sign off.

E. Electrical Maintenance and Testing Assistance

During the period, CDM Smith performed the following:

- Worked with staff to develop initial subcontract scope requirements, and coordinated same with Advanced Power Distribution Services.
- Revised Preliminary Power System Analysis model based on data obtained through field verification.

Report of General Counsel

Dennis Estis, General Counsel from the firm Greenbaum, Rowe, Smith & Davis, submitted the following report for the period January 18, 2024 through February 15, 2024.

1. Local Contracts Law/Open Public Meetings Act
No change.
2. Siphon – Rahway – Union County Park
I have sent a revised Agreement and Resolution to Rahway. When I did not hear anything from counsel for Rahway, I called him and he has yet to return my call, nor did he raise any objections to the revised Agreement. I would ask Mr. Rachlin to see if he can reach out to the Rahway officials.
3. Occidental Chemical
No change.
4. Metro Compliance
No change.
5. Quala / QDI
We received information from Langan Engineering regarding 2023 groundwater data, proposed vapor intrusion investigation, and LSRP meeting. As a result, John Buonocore will be having a conference call with David Roth of my office and it will be necessary for RVSA to engage an environmental consultant who we have used previously, Prestige Environmental. David, John, and the environmental consultant will have spoken prior to this meeting.
6. Sunrise Pharmaceuticals
It is my understanding that the Agreement prepared by our office has been executed.
7. Westfield / Mountainside
An issue has arisen between Mountainside and Westfield regarding a Nursery located in Westfield and apparently utilizing in part Mountainside's trunk line. A meeting was held between counsel for Westfield, Mountainside, RVSA, and John Buonocore yesterday to attempt to resolve the issue.

Mr. Estis clarified that this issue is between the towns; however, he and Mr. Buonocore have offered to help resolve it. He added that this could result in the project temporarily being halted. Mr. Mazzarella asked where the project is located; Mr. Buonocore replied that the project is located in Westfield. Mr. Mazzarella asked if this project would be subject to the Authority's new Connection Fee Program; Mr. Estis replied no, stating that the project had already been approved prior to this program going into effect.

Mr. Mazzarella stated that with regard to the Rahway Siphon issue, it is apparent that Rahway is stonewalling us. He stated that Mr. Estis has now asked Mr. Rachlin to reach out to them several times, and suggested that we need to have a more aggressive approach as this is wasting our time. He added that he would like to see this completed by the next meeting.

Committee Reports

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

Committee	Chairman	02/2023 – 02/2024 Committee Members		
Engineering	Edward Gottko	Michael Gelin	Stephen Greet	Frank Mazzearella
Finance	Loren Harms	Chris Kolibas	Robert Rachlin	John Tomaine
Legal	John Tomaine	Stephen Greet	Loren Harms	Frank Mazzearella
Personnel	Robert Rachlin	Michael Furci	Edward Gottko	Raymond Szpond

Finance Committee (Loren Harms, Committee Chairman)

The Finance Committee met earlier this evening to review the Bills & Claims, and action approving same is on the agenda.

New Committees

Mr. Tomaine stated that the following Committee appointments have been made for the period February 2024 through February 2025. The newly appointed committees will take effect immediately following this meeting, and will be reflected in the Commissioners’ Handbook.

Committee	Chairman	02/2024 – 02/2025 Committee Members		
Engineering	Michael Gelin	Michael Furci	Edward Gottko	Frank Mazzearella
Finance	Loren Harms	Robert Beiner	Chris Kolibas	Robert Rachlin
Legal	Frank Mazzearella	Michael Gelin	Stephen Greet	Loren Harms
Personnel	Edward Gottko	Michael Furci	Robert Rachlin	Raymond Szpond
Nominating	Chris Kolibas	Robert Beiner	Stephen Greet	Raymond Szpond

Unfinished Business

None.

Consent Agenda

Mr. Gottko made a motion, second by Mr. Furci, that the following items listed in the Consent Agenda be approved. The motion was unanimously approved.

- Resolution #24-03** – Designating signatures to appear on the Authority’s checks

RESOLUTION #24-03

WHEREAS, the Rahway Valley Sewerage Authority (“Authority”) has its reorganization meeting annually in February; and

WHEREAS, N.J.A.C. 5:31-4.2 stipulates that every Authority shall, at its reorganization meeting, designate the individuals whose signatures shall appear on checks drawn upon the treasury of said Authority.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Rahway Valley Sewerage Authority hereby designate John V. Buonocore, Executive Director; Karen A. Musialowicz, Secretary-Treasurer; and John J. Tomaine, Chairman, as the signatories that shall appear on checks drawn upon the treasury of the Authority, with the exception of Payroll checks which require only the signature of the Secretary-Treasurer.

BE IT FURTHER RESOLVED that this resolution shall take effect as soon as new signature plates are received, but no later than 30 days from this date.

2. **Resolution #24-04** – Extending Contract #2114 – Electric Curtailment Services with NuEnergen for an additional one-year term

RESOLUTION #24-04

WHEREAS, the Rahway Valley Sewerage Authority (“Authority”) had previously entered into Contract #2114 – Electric Curtailment Services with NuEnergen of White Plains, NY, (“NuEnergen”); and

WHEREAS, the Authority’s bid specification included a provision to extend said contract in accordance with N.J.S.A. 40A:11-15 upon mutual agreement between the parties and upon finding that services are being performed in an effective and efficient manner; and

WHEREAS, Contract #2114 was subsequently extended on April 20, 2023 by way of Resolution #23-08 for an additional one (1) year term, which is set to expire on March 31, 2024; and

WHEREAS, John Buonocore, Executive Director/Chief Engineer is satisfied with the services being performed under this contract and therefore recommends extending Contract #2114 for an additional one (1) year term; and

WHEREAS, NuEnergen has agreed to a one-year contract extension based on the pricing submitted in its original bid.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Rahway Valley Sewerage Authority hereby approve an additional one (1) year extension to Contract #2114 with NuEnergen, for a contract term commencing April 1, 2024 and concluding March 31, 2025; and

BE IT FURTHER RESOLVED that the Executive Director is hereby authorized to execute said extension to the Contract previously entered into.

3. **Resolution #24-05** – Extending Contract #2232 – Air Emissions Testing with AirNova, Inc. for an additional one-year term

RESOLUTION #24-05

WHEREAS, the Rahway Valley Sewerage Authority (“Authority”) had previously entered into Contract #2232 – Air Emissions Testing with AirNova, Inc. (“AirNova”); and

WHEREAS, said Contract is set to expire on March 31, 2024, however, it has been determined that additional time will be required to complete the necessary testing; and

WHEREAS, Janet Thevenin, Manager of Regulatory Compliance, has requested to extend the contract with AirNova for an additional one (1) year term, with no change to the original contract price, in order to complete said testing.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Rahway Valley Sewerage Authority hereby approve an extension to Contract #2232 – Air Emissions Testing with AirNova, Inc. for a period of one (1) year and no additional cost to the Authority; and

BE IT FURTHER RESOLVED that the Executive Director is hereby authorized to execute said extension to the Contract previously entered into.

New Business

Mr. Furci offered one motion.

1. **Motion #2024-01** – Waiving Flow Right Violations that occurred on January 11th, 18th, and 28th, 2024; and December 8th-13th and 28th, 2023

Motion: Mr. Furci

Second: Mr. Szpond

Discussion: Mr. Furci asked if a policy can be established to automatically waive violations in certain instances. Mr. Buonocore stated that this decision would be up to the Commissioners. He suggested that the Commissioners determine what number of towns in violation would warrant a waiver for a given date. He stated that if this is established, he would request that the accounting be done at year end instead of having to revise the monthly Flow Rights Reports. Mr. Mazzarella suggested that some requirements for I&I repairs should still remain in place regardless of whether or not the violations are waived. Mr. Estis commented that the monetary requirements related to violations are very minimal.

Mr. Buonocore stated that he would run some scenarios regarding flow right violations and pass that information on to the Engineering Committee.

The motion was unanimously approved.

Bills and Claims

Mr. Harms offered one motion.

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

Motion: Mr. Harms

Second: Mr. Kolibas

The motion was unanimously approved.

BILLS AND CLAIMS LISTING**BUILDING & EQUIPMENT FUND**

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
1098	02/15/24	CDM SMITH, INC.	140.2	20,125.29
1099	02/15/24	CMS CONSTRUCTION INC.	140.2	1,007,440.00
1100	02/15/24	KOMLINE-SANDERSON	140.3	65,346.17

Total Building & Equipment Fund Checks: 3

Total Void Checks: 0

Total Void Check Amount: \$0.00

Total Building & Equipment Fund Checks Paid: \$1,092,911.46

OPERATING FUND – MANUAL

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
501	01/23/24	RAHWAY VALLEY S.A. - PAYROLL	01/02	244,433.17
502	01/31/24	RAHWAY VALLEY S.A. - PAYROLL	01/02	269,764.23
503	02/14/24	NJ STATE HEALTH BENEFITS	03/04	155,889.04

Total Operating Fund Manual Checks: 3

Total Void Checks: 0

Total Void Check Amount: \$0.00

Total Operating Fund Manual Checks Paid: \$670,086.44

OPERATING FUND

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
5438	01/24/24	LAWSON PRODUCTS, INC	32	25.47
5439	01/31/24	APPROVED ENERGY II LLC	19	104,060.53
5440	01/31/24	AQUA PRO-TECH LABORATORIES	41	630.00
5441	01/31/24	CITY OF RAHWAY	31	333.00
5442	01/31/24	CONSOLIDATED RAIL CORP.	21	964.22
5443	01/31/24	ELIZABETHTOWN GAS	22	19,225.58
5444	01/31/24	NJ MANUFACTURERS INSURANCE CO.	17	15,233.00
5445	01/31/24	PETTY CASH	14	339.00
5446	01/31/24	STANDARD INSURANCE COMPANY RD	03	2,000.38
5447	01/31/24	UGI ENERGY SERVICES, LLC	22	1,226.67
5448	01/31/24	VERIZON WIRELESS	11	1,266.75
5449	01/31/24	VISION SERVICE PLAN	03	1,790.35
5450	02/15/24	A&M INDUSTRIAL SUPPLY COMPANY	32	342.96
5451	02/15/24	A TOUCH OF ITALY	49	330.54
5452	02/15/24	ACCELERATED TECHNOLOGY	40	9,695.26
5453	02/15/24	AQUA PRO-TECH LABORATORIES	41	1,972.00
5454	02/15/24	AQUAFIX, INC	29	3,763.34
5455	02/15/24	ATLANTIC ANALYTICAL LABORATORY	41	725.00
5456	02/15/24	BANK OF AMERICA	15/18/27/31	841.89
5457	02/15/24	B & B DISPOSAL	32	675.00
5458	02/15/24	BGIA, INC.	17	23,069.00
5459	02/15/24	CORTEL TECHNOLOGIES, LLC	27	1,936.55
5460	02/15/24	BOWCO LABORATORIES, INC.	32	64.58
5461	02/15/24	JOHN BUONOCORE	15	72.61
5462	02/15/24	CDM SMITH, INC.	05/06	17,645.33
5463	02/15/24	CANON FINANCIAL SERVICES, INC.	16	739.99

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
5464	02/15/24	CITY OF RAHWAY - VEOLIA WATER	33	11,051.29
5465	02/15/24	COGENT COMMUNICATIONS, INC.	27	1,165.00
5466	02/15/24	COMCAST	27	842.27
5467	02/15/24	CONFIRE FIRE PROTECTION	31	993.00
5468	02/15/24	CORROSION PRODUCTS & EQUIPMENT	32	1,608.00
5469	02/15/24	CSL SERVICES, INC.	30	10,750.00
5470	02/15/24	DELTA DENTAL OF NEW JERSEY INC	03	8,100.54
5471	02/15/24	DIVITA BALANCE SERVICE CO. LLC	40	670.00
5472	02/15/24	ELECTRONIC MEASUREMENTS LAB	31	1,373.40
5473	02/15/24	ELIZABETH TOWN GAS	22	758.34
5474	02/15/24	ELIZABETH METALS LLC	32	6,239.68
5475	02/15/24	ENVIRONMENTAL COMPLIANCE	41	1,135.00
5476	02/15/24	ENVIROTECH SERVICES, INC	28	6,238.00
5477	02/15/24	ESTES MACHINE LLC	32	330.00
5478	02/15/24	GLOBAL INDUSTRIAL EQUIPMENT CO	32	8,137.01
5479	02/15/24	GOVCONNECTION, INC.	27	835.89
5480	02/15/24	GRAINGER	31/32	7,439.75
5481	02/15/24	GREENBAUM, ROWE, SMITH & DAVIS	07	2,638.53
5482	02/15/24	HACH COMPANY	40	964.13
5483	02/15/24	HATFIELD SCHWARTZ LAW GROUP	08	682.50
5484	02/15/24	HAWKINS, DELAFIELD & WOOD LLP	08	5,032.00
5485	02/15/24	HOME DEPOT CREDIT SERVICES	32	2,152.12
5486	02/15/24	XYLEM WATER SOLUTIONS USA, INC	34	2,684.00
5487	02/15/24	KENNEDY LANDSCAPING	32	4,400.00
5488	02/15/24	MAIN POOL & CHEMICAL INC	29	2,879.25
5489	02/15/24	MCMASTER-CARR SUPPLY CO.	32	476.55
5490	02/15/24	MGL PRINTING SOLUTIONS	13	75.50
5491	02/15/24	MIDDLESEX WATER COMPANY	33	1,642.90
5492	02/15/24	MOBILE MODULAR PORTABLE	32	336.00
5493	02/15/24	MOTION INDUSTRIES, INC.	32	1,221.08
5494	02/15/24	NAVITEND	27	372.50
5495	02/15/24	NAPA AUTO PARTS OF COLONIA	35	744.86
5496	02/15/24	NJ ADVANCE MEDIA	12	15.48
5497	02/15/24	NJ MOTOR VEHICLE COMMISSION	35	237.50
5498	02/15/24	NJ STATE LEAGUE	12	115.00
5499	02/15/24	RUTGERS, THE STATE UNIVERSITY	31	290.00
5500	02/15/24	NORTHEAST INDUSTRIAL TECH, INC	32	940.44
5501	02/15/24	OFFICE CONCEPTS GROUP, INC.	13/32	745.05
5502	02/15/24	ONE CALL CONCEPTS, INC.	32	32.89
5503	02/15/24	OUTSTANDING SERVICE CO. INC.	32	240.95
5504	02/15/24	PITNEY BOWES GLOBAL	48	182.61
5505	02/15/24	POLYDYNE INC.	23	55,789.60
5506	02/15/24	LINDE GAS & EQUIPMENT INC	32	2,033.05
5507	02/15/24	PREMIER TECHNOLOGY SOLUTIONS	27	3,512.00
5508	02/15/24	PRIMEPOINT, LLC	16	1,343.25
5509	02/15/24	PSE&G COMPANY	19	34,491.76
5510	02/15/24	QUALITY CONTROLS, INC.	32	1,310.82
5511	02/15/24	ROBERT I. RACHLIN	49	166.06
5512	02/15/24	RARITAN SUPPLY	32	89.04
5513	02/15/24	SAKER SHOPRITES, INC.	49	38.14
5514	02/15/24	SCIENTIFIC WATER CONDITIONING	28/32	1,372.65
5515	02/15/24	SHALLCROSS BOLT & SPECIALTIES	32	279.25

CHECK	DATE	VENDOR	LINE/ACCT	AMOUNT
5516	02/15/24	SHERWIN-WILLIAMS	32	1,218.80
5517	02/15/24	SIEMENS INDUSTRY, INC.	32	59.40
5518	02/15/24	SPECTRASERV INC.	26	2,799.35
5519	02/15/24	TAYLOR OIL CO., INC.	24	2,928.03
5520	02/15/24	THOMAS SCIENTIFIC	40	2,674.20
5521	02/15/24	TMP REFINING CORPORATION	28	4,000.00
5522	02/15/24	TURTLE & HUGHES INC.	32	10,759.22
5523	02/15/24	UGI ENERGY SERVICES, LLC	22	32,889.02
5524	02/15/24	UNIFIRST CORPORATION	31/32	2,851.30
5525	02/15/24	UNISON SOLUTIONS INC	28	1,546.32
5526	02/15/24	UNITED RENTALS	32	2,033.82
5527	02/15/24	USA BLUEBOOK	32	2,122.08
5528	02/15/24	WAGE WORKS INC.	03	105.00
5529	02/15/24	WASTE MANAGEMENT OF NEW JERSEY	25	109,488.84
5530	02/15/24	WB MASON COMPANY, INC.	13/32/49	1,276.83
5531	02/15/24	WIDMER TIME RECORDER CO., INC.	13	601.00
5532	02/15/24	WOODBIDGE PRINTING CENTER	13	1,383.00
5533	02/15/24	Y-PERS INC	32	2,800.00

Total Operating Fund Checks: 96
 Total Void Checks: 0
 Total Void Check Amount: \$0.00
 Total Operating Fund Checks Paid: \$587,699.84

OPERATING FUND	01	\$1,257,786.28
BUILDING & EQUIPMENT FUND	02	\$1,092,911.46
		=====
TOTAL OF ALL FUNDS:		\$2,350,697.74

Open the floor to the Public for questions or comments

None.

Closed Session

Mr. Szpond made a motion to close the meeting at 6:25 p.m. for discussion regarding special project negotiations. The motion was second by Mr. Gottko and unanimously approved.

Mr. Greet made a motion to return to the regular order of business at 6:27 p.m. The motion was second by Mr. Rachlin and unanimously approved.

Mr. Tomaine announced that the 2024-2025 Board Meeting schedule was distributed earlier this week via email and asked if there were any questions or concerns. As there were none, he asked for a motion to adjourn.

Adjournment

As there was no further business, on motion of Mr. Gottko, second by Mr. Rachlin, the meeting adjourned at 6:27 p.m. The motion was unanimously approved.

Chairman

Andrea DeCarlo
Andrea DeCarlo, Board Secretary

Attachments:
Report of Treasurer 10/2023
Report of Treasurer 11/2023
Flow Rights Report 12/2023
Flow Rights Report 01/2024
User Charge Report 01/2024

**RAHWAY VALLEY SEWERAGE AUTHORITY
CONDENSED FINANCIAL DATA INDEX
MONTH ENDED October 31, 2023**

OPERATING AND REVENUE FUNDS:

Changes in Cash and Cash Equivalents
Current Year Operating Expenses

RESTRICTED FUNDS:

Changes in Cash and Cash Equivalents

**RVSA - Operating and Revenue Funds
Changes in Cash and Cash Equivalents
October 31, 2023**

Cash and Cash Equivalents, Beginning of Period	\$ <u>8,860,822</u>
Cash Receipts:	
Revenues:	
Member Annual Assessments	
Discharge Fees	164,526
Permit Fees	
Sewer Connection Fees	2,100
Food Waste	
Interest Income	44,698
Other	<u>88,286</u>
Total Revenues	<u>299,610</u>
Transfers From Restricted Funds	<u> </u>
Total Cash Receipts	<u>299,610</u>
Cash Disbursements:	
Operating Costs	1,847,469
Transfers To Restricted Funds	<u> </u>
Total Cash Disbursements	<u>1,847,469</u>
Cash and Cash Equivalents, End of Period	\$ <u><u>7,312,963</u></u>

**RVSA - Current Year Operating Expenses
October 2023**

Line #	RVSA - Current Year Operating Expenses	Current Month	Year to Date		2023 BUDGET	Unexpended Budget
			Amount	Budget %		
1	Salaries and wages	\$ 641,918	4,690,241	78.2%	6,000,000	1,309,759
2	Payroll taxes	44,757	352,600	73.5%	479,500	126,900
3	Employee benefits	105,508	1,061,297	83.2%	1,275,000	213,703
4a	NJ Retirement Fund Assessment	4,114	778,233	97.3%	800,000	21,767
4b	Retiree benefits	25,486	340,866	82.1%	415,000	74,134
5	Consulting engineer retainer	-	10,383	56.1%	18,500	8,117
6	Other engineering fees	-	8,600	14.3%	60,000	51,400
7	Legal fees -general counsel	2,155	24,893	31.1%	80,000	55,107
8	Other legal / prof fees	7,227	43,535	39.6%	110,000	66,465
9	Financing - prof / adm fees	-	305,721	73.7%	415,000	109,279
10	Audit	36,000	36,000	90.0%	40,000	4,000
11	Telephone	2,553	12,009	25.6%	47,000	34,991
12	Printing / advertising	9,123	10,267	97.8%	10,500	233
13	Office expenses	2,038	10,125	67.5%	15,000	4,875
14	Petty cash	222	514	39.5%	1,300	786
15	Travel	145	4,945	49.5%	10,000	5,055
16	Equipment service contracts	4,470	16,607	55.4%	30,000	13,393
17	Insurance	38,302	404,647	87.0%	465,000	60,353
18	Miscellaneous	-	865	43.3%	2,000	1,135
19	Electricity	195,606	936,408	93.6%	1,000,000 *	63,592
20	Diesel fuels	-	571	11.4%	5,000	4,429
21	Trunk-line maintenance	12,748	13,391	7.0%	191,000	177,609
22	Natural gas	62,646	287,397	47.9%	600,000	312,603
23	Polymer	50,669	437,694	72.9%	600,000	162,306
24	Gasoline	7,990	17,916	89.6%	20,000	2,084
25	Sludge disposal	122,536	658,051	131.6%	500,000	(158,051)
26	Off-site disposal	8,274	30,828	51.4%	60,000	29,172
27	Information technology	15,034	142,788	109.8%	130,000	(12,788)
28	Biosolids/energy maintenance	71,849	549,789	100.0%	550,000	211
29	Chemicals (Hypo/Hydroxide)	52,227	164,960	110.0%	150,000	(14,960)
30	Meter maintenance / supplies	21,500	75,250	44.3%	170,000	94,750
31	Health, safety and security	22,179	132,997	88.7%	150,000	17,003
32	Maintenance supplies	204,217	827,430	75.2%	1,100,000	272,570
33	Water	11,340	87,101	87.1%	100,000	12,899
34	UV system, parts and service	3,239	77,919	51.9%	150,000	72,081
35	Vehicle expenses	1,910	20,540	102.7%	20,000	(540)
37	Permit fees	9,132	187,606	80.9%	232,000	44,394
40	Laboratory expenses	19,850	99,540	71.1%	140,000	40,460
41	Regulation compliance	28,760	181,014	107.7%	168,000	(13,014)
42	Collection system	-	269	3.6%	7,500	7,231
43	Industry surveillance	-	1,693	28.2%	6,000	4,307
46	Public Relations	-	-	0.0%	5,000	5,000
48	Mail and delivery	237	3,392	54.7%	6,200	2,808
49	Commissioners' expense	1,258	16,974	60.6%	28,000	11,026
50	Medical examinations	250	1,277	42.6%	3,000	1,723
52	Membership dues	-	9,894	33.0%	30,000	20,106
	Total	\$ 1,847,469	13,075,037	79.7%	16,395,500	3,320,463
			79.7%		-	20.3%

**RVSA - Restricted Funds
Changes in Cash and Cash Equivalents
October 2023**

	<u>Total</u>	<u>Building and Equipment Fund</u>	<u>Capital Replacement Fund</u>	<u>Construction Fund</u>	<u>Debt Service Fund</u>	<u>Operating Reserve Fund</u>
Cash and Cash Equivalents, Beginning of Period	\$ 7,571,330	366,410	2,575,932	1,659	528,454	4,098,875
Cash Receipts:						
New Jersey Environmental Infrastructure Trust	-					
Grant Income/ Insurance Reimb	-					
Interest Income	-					
Transfers From Unrestricted Funds	-					
Transfers From Restricted Funds	-					
Other- FEMA Reimbursement	-					
Total Cash Receipts	0	-	-	-	-	-
Cash Disbursements:						
Capital Assets	41,598	41,598				
Long-term Debt Principal Maturities	-					
Interest Expense	-					
Transfers To Unrestricted Funds	-					
Transfers To Restricted Funds	-					
Other	-					
Total Cash Disbursements	41,598	41,598	-	-	-	-
Cash and Cash Equivalents, End of Period	\$ 7,529,732	324,812	2,575,932	1,659	528,454	4,098,875

**RAHWAY VALLEY SEWERAGE AUTHORITY
CONDENSED FINANCIAL DATA INDEX
MONTH ENDED November 30, 2023**

OPERATING AND REVENUE FUNDS:

Changes in Cash and Cash Equivalents
Current Year Operating Expenses

RESTRICTED FUNDS:

Changes in Cash and Cash Equivalents

**RVSA - Operating and Revenue Funds
Changes in Cash and Cash Equivalents
November 30, 2023**

Cash and Cash Equivalents, Beginning of Period	\$ <u>7,312,963</u>
Cash Receipts:	
Revenues:	
Member Annual Assessments	
Discharge Fees	2,183
Permit Fees	6,000
Sewer Connection Fees	650
Food Waste	
Interest Income	45,150
Other	
	<hr/>
Total Revenues	<u>53,982</u>
Transfers From Restricted Funds	<hr/>
Total Cash Receipts	<u>53,982</u>
Cash Disbursements:	
Operating Costs	811,961
Transfers To Restricted Funds	
	<hr/>
Total Cash Disbursements	<u>811,961</u>
Cash and Cash Equivalents, End of Period	\$ <u><u>6,554,984</u></u>

**RVSA - Current Year Operating Expenses
November 2023**

Line #	RVSA - Current Year Operating Expenses	Current Month	Year to Date		2023 BUDGET	Unexpended Budget
			Amount	Budget %		
1	Salaries and wages	\$ 436,168	5,126,408	85.4%	6,000,000	873,592
2	Payroll taxes	28,815	381,415	79.5%	479,500	98,085
3	Employee benefits	39,606	1,100,903	86.3%	1,275,000	174,097
4a	NJ Retirement Fund Assessment	-	778,233	97.3%	800,000	21,767
4b	Retiree benefits	32,201	373,067	89.9%	415,000	41,933
5	Consulting engineer retainer	4,450	14,833	80.2%	18,500	3,667
6	Other engineering fees	23,599	32,200	53.7%	60,000	27,800
7	Legal fees -general counsel	1,328	26,220	32.8%	80,000	53,780
8	Other legal / prof fees	19,670	63,205	57.5%	110,000	46,795
9	Financing - prof / adm fees	-	305,721	73.7%	415,000	109,279
10	Audit	-	36,000	90.0%	40,000	4,000
11	Telephone	169	12,179	25.9%	47,000	34,821
12	Printing / advertising	189	10,456	99.6%	10,500	44
13	Office expenses	1,605	11,730	78.2%	15,000	3,270
14	Petty cash	-	514	39.5%	1,300	786
15	Travel	-	4,945	49.5%	10,000	5,055
16	Equipment service contracts	1,634	18,241	60.8%	30,000	11,759
17	Insurance	15,233	419,880	90.3%	465,000	45,120
18	Miscellaneous	100	965	48.3%	2,000	1,035
19	Electricity	394	936,802	93.7%	1,000,000 *	63,198
20	Diesel fuels	-	571	11.4%	5,000	4,429
21	Trunk-line maintenance	-	13,391	7.0%	191,000	177,609
22	Natural gas	798	288,195	48.0%	600,000	311,805
23	Polymer	84,682	522,377	87.1%	600,000	77,623
24	Gasoline	-	17,916	89.6%	20,000	2,084
25	Sludge disposal	-	658,051	131.6%	500,000	(158,051)
26	Off-site disposal	5,144	35,972	60.0%	60,000	24,028
27	Information technology	2,840	145,629	112.0%	130,000	(15,629)
28	Biosolids/energy maintenance	7,759	557,548	101.4%	550,000	(7,548)
29	Chemicals (Hypo/Hydroxide)	2,370	167,330	111.6%	150,000	(17,330)
30	Meter maintenance / supplies	10,750	86,000	50.6%	170,000	84,000
31	Health, safety and security	5,931	138,927	92.6%	150,000	11,073
32	Maintenance supplies	56,701	884,131	80.4%	1,100,000	215,869
33	Water	8,407	95,508	95.5%	100,000	4,492
34	UV system, parts and service	-	77,919	51.9%	150,000	72,081
35	Vehicle expenses	982	21,522	107.6%	20,000	(1,522)
37	Permit fees	2,681	190,287	82.0%	232,000	41,713
40	Laboratory expenses	989	100,529	71.8%	140,000	39,471
41	Regulation compliance	11,283	192,297	114.5%	168,000	(24,297)
42	Collection system	-	269	3.6%	7,500	7,231
43	Industry surveillance	2,645	4,338	72.3%	6,000	1,662
46	Public Relations	-	-	0.0%	5,000	5,000
48	Mail and delivery	754	4,146	66.9%	6,200	2,054
49	Commissioners' expense	552	17,526	62.6%	28,000	10,474
50	Medical examinations	282	1,559	52.0%	3,000	1,441
52	Membership dues	1,250	11,144	37.1%	30,000	18,856
	Total	\$ 811,961	13,886,999	84.7%	16,395,500	2,508,501
			84.7%		-	15.3%

**RVSA - Restricted Funds
Changes in Cash and Cash Equivalents
November 2023**

	<u>Total</u>	<u>Building and Equipment Fund</u>	<u>Capital Replacement Fund</u>	<u>Construction Fund</u>	<u>Debt Service Fund</u>	<u>Operating Reserve Fund</u>
Cash and Cash Equivalents, Beginning of Period	\$ 7,529,732	324,812	2,575,932	1,659	528,454	4,098,875
Cash Receipts:						
New Jersey Environmental Infrastructure Trust	-					
Grant Income/ Insurance Reimb	-					
Interest Income	4,698				4,698	
Transfers From Unrestricted Funds	-					
Transfers From Restricted Funds	-					
Other- FEMA Reimbursement	-					
Total Cash Receipts	4,698	-	-	-	4,698	-
Cash Disbursements:						
Capital Assets	182,275	182,275				
Long-term Debt Principal Maturities	-					
Interest Expense	-					
Transfers To Unrestricted Funds	-					
Transfers To Restricted Funds	-					
Other	-					
Total Cash Disbursements	182,275	182,275	-	-	-	-
Cash and Cash Equivalents, End of Period	\$ 7,352,155	142,537	2,575,932	1,659	533,152	4,098,875



Re: Flow Rights Utilization Report - December 2023

Attached for your use please find Flow Rights Utilization Report for December 2023. The results are summarized below by town. The last column indicates each Municipality's total excess usage in millions of gallons above its Flow Right for the 2024 measuring year.

Member	Flow Rights (MGD)	Current Month		Measuring Year to Date		No. of Days Above Limit (2)		Total Excess Usage for 2024 Measuring Year (Millions of Gallons)
		Avg Flow Rate (MGD)	Max Flow Rate (MGD)	Avg Flow Rate (MGD)	Max Flow Rate (MGD)	Current Month	Total for 2024 Measuring Year	
Cranford	9.19	5.61	23.84	4.22	23.84	4	7	12.48063
Garwood	3.69	1.14	7.91	0.81	7.91	1	1	0.40073
Kenilworth	2.75	1.26	4.56	0.97	4.56	1	1	0.25217
Mountainside	3.15	0.89	2.45	0.77	2.45	0	0	0
Rahway	17.26	6.81	28.55	5.09	28.55	4	4	2.30324
Roselle Park	1.94	0.39	1.36	0.33	1.93	0	0	0
Scotch Plains	4.73	2.21	6.16	1.54	6.16	1	1	0.2176
Springfield	4.39	3.47	7.60	3.00	7.60	7	10	4.54384
Westfield	10.94	4.80	13.95	3.69	13.95	1	1	0.89791
Woodbridge	3.49	1.65	6.24	1.10	6.24	5	5	3.16622

Notes:

- (1) All meters are recorded every 15 minutes.
- (2) All flow rates are calculated for each 15-minute interval utilizing the estimated time of travel as per Resolution #20-33.



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV11	RV17			RV09 (-30 min)	RV10 (-30 min)						
12/01	0.37	21:45	19.06	0.55			4.67	12.89			2.06	OK	0	0
12/02	0	14:00	17.95	0.62			4.22	12.35			2.01	OK	0	0
12/03	0.8	15:15	27.89	0.99			6.76	18.27			3.86	OK	0	0
12/04	0	20:30	20.45	0.62			6.10	12.20			2.78	OK	0	0
12/05	0	14:00	17.86	0.48			5.21	10.61			2.53	OK	0	0
12/06	0	18:45	16.36	0.48			4.63	10.10			2.11	OK	0	0
12/07	0	09:00	14.88	0.53			4.80	8.65			1.95	OK	0	0
12/08	0	11:15	16.45	0.50			4.94	9.82			2.19	OK	0	0
12/09	0	12:30	17.14	0.49			5.37	10.48			1.79	OK	0	0
12/10	0.98	23:45	24.67	0.87			7.17	15.70			2.67	OK	0	0
12/11	0.52	10:30	33.43	0.98			9.28	20.56			4.57	OK	0	0
12/12	0	00:00	23.55	0.68			6.88	15.09			2.26	OK	0	0
12/13	0	20:45	19.14	0.55			5.85	12.18			1.66	OK	0	0
12/14	0	11:00	18.63	0.52			5.72	11.60			1.82	OK	0	0
12/15	0	19:00	17.44	0.53			5.10	10.97			1.91	OK	0	0
12/16	0	15:30	18.35	0.51			5.44	11.42			2.00	OK	0	0
12/17	0.43	21:30	19.41	0.51			5.91	11.96			2.05	OK	0	0
12/18	2.96	06:15	53.69	2.06			11.45	33.93			10.37	Exceedance	4:45	0.51673
12/19	0	15:30	30.50	0.71			7.82	20.07			3.32	OK	0	0
12/20	0	10:45	25.35	0.58			7.25	16.34			2.34	OK	0	0
12/21	0	10:00	22.29	0.51			6.55	14.09			2.17	OK	0	0
12/22	0	10:30	21.71	0.48			6.28	13.75			2.16	OK	0	0
12/23	0	18:45	20.19	0.49			5.69	13.04			1.95	OK	0	0
12/24	0	15:00	22.27	0.51			6.46	14.12			2.20	OK	0	0
12/25	0	15:00	20.04	0.51			6.11	12.68			1.76	OK	0	0
12/26	0	16:00	19.42	0.50			5.60	12.05			2.27	OK	0	0
12/27	0.44	13:45	18.80	0.48			5.63	12.08			1.58	OK	0	0
12/28	1.29	05:30	41.69	1.32			9.86	26.34			6.81	Exceedance	1:45	0.06388
12/29	0.04	11:30	27.91	0.74			7.96	17.62			3.08	OK	0	0
12/30	0	13:45	25.31	0.60			7.30	16.21			2.40	OK	0	0
12/31	0	12:30	21.99	0.50			6.68	13.52			2.29	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)	
			OUTFLOW METERS				INFLOW METERS								
			RV10	RV13	RV30 (-90 min)		RV02 (-90 min)	RV03 (-60 min)	RV29 (-75 min)						
12/01	0.37	21:45	13.27	0.91	0.29			4.71	2.50	1.31		5.93	OK	0	0
12/02	0	12:15	13.19	0.89	0.34			4.21	2.28	2.10		5.83	OK	0	0
12/03	0.8	12:30	17.83	1.15	0.42			5.31	3.76	1.73		8.61	OK	0	0
12/04	0	09:00	13.98	1.02	0.32			3.86	2.75	1.80		6.91	OK	0	0
12/05	0	08:45	11.33	0.95	0.28			3.32	2.22	1.46		5.56	OK	0	0
12/06	0	09:15	10.80	0.92	0.30			3.35	2.30	1.47		4.90	OK	0	0
12/07	0	10:15	10.84	0.86	0.33			3.84	2.26	1.38		4.55	OK	0	0
12/08	0	13:00	10.68	0.81	0.31			4.02	2.04	1.14		4.60	OK	0	0
12/09	0	11:45	10.90	0.87	0.33			3.98	2.22	1.21		4.69	OK	0	0
12/10	0.98	22:15	15.34	1.10	0.35			4.82	2.98	2.20		6.80	OK	0	0
12/11	0.52	10:00	20.56	1.33	0.42			6.48	4.41	1.94		9.47	Exceedance	1:45	0.01409
12/12	0	08:45	13.22	1.03	0.30			3.90	2.62	1.38		6.65	OK	0	0
12/13	0	08:45	11.96	0.97	0.33			3.51	2.33	1.32		6.09	OK	0	0
12/14	0	09:15	12.19	0.93	0.32			3.40	2.21	2.13		5.70	OK	0	0
12/15	0	10:00	12.15	0.88	0.36			3.53	2.27	2.00		5.59	OK	0	0
12/16	0	11:00	11.59	0.88	0.32			3.63	2.20	1.54		5.43	OK	0	0
12/17	0.43	11:30	11.54	0.90	0.33			3.58	2.05	1.46		5.67	OK	0	0
12/18	2.96	18:30	37.55	3.31	0.81			9.20	5.80	2.83		23.84	Exceedance	20:45	8.98132
12/19	0	00:00	31.70	2.98	0.54			9.68	4.44	2.15		18.95	Exceedance	19:45	1.9816
12/20	0	10:00	16.95	1.23	0.44			5.79	2.96	1.78		8.10	OK	0	0
12/21	0	08:30	13.34	1.08	0.37			4.27	2.05	1.51		6.95	OK	0	0
12/22	0	16:15	13.66	1.03	0.37			5.25	2.38	1.44		5.98	OK	0	0
12/23	0	12:15	14.98	1.08	0.44			5.01	2.65	2.29		6.54	OK	0	0
12/24	0	12:30	13.52	1.04	0.43			4.87	2.66	1.48		5.98	OK	0	0
12/25	0	11:45	11.76	0.96	0.38			4.05	2.28	1.36		5.41	OK	0	0
12/26	0	14:00	13.35	0.94	0.40			5.15	2.46	2.03		5.05	OK	0	0
12/27	0.44	23:45	13.17	0.96	0.33			4.61	2.46	2.01		5.38	OK	0	0
12/28	1.29	04:00	25.04	1.64	0.43			6.59	5.63	2.24		12.65	Exceedance	17:15	0.90555
12/29	0.04	10:15	18.20	1.20	0.45			5.32	3.21	2.50		8.81	OK	0	0
12/30	0	13:30	16.53	1.12	0.46			5.90	2.83	1.75		7.63	OK	0	0
12/31	0	13:15	15.27	1.04	0.46			5.35	2.65	2.15		6.61	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV03				RV04 (-45 min)	RV05 (-45 min)	RV06 (-60 min)					
12/01	0.37	20:30	2.66				0.29	0.42	0.63		1.33	OK	0	0
12/02	0	09:45	2.28				0.35	0.28	0.47		1.17	OK	0	0
12/03	0.8	16:00	3.90				0.45	0.49	0.97		1.98	OK	0	0
12/04	0	12:00	3.08				0.32	0.41	0.75		1.60	OK	0	0
12/05	0	18:30	2.37				0.27	0.29	0.57		1.25	OK	0	0
12/06	0	20:30	2.47				0.28	0.37	0.59		1.23	OK	0	0
12/07	0	08:15	2.13				0.25	0.31	0.45		1.12	OK	0	0
12/08	0	08:15	2.00				0.23	0.27	0.39		1.11	OK	0	0
12/09	0	11:30	2.32				0.32	0.30	0.58		1.12	OK	0	0
12/10	0.98	23:45	3.35				0.33	0.45	0.79		1.78	OK	0	0
12/11	0.52	03:45	4.39				0.40	0.49	1.05		2.45	OK	0	0
12/12	0	08:15	2.76				0.38	0.41	0.75		1.22	OK	0	0
12/13	0	07:45	2.33				0.26	0.31	0.56		1.21	OK	0	0
12/14	0	08:30	2.30				0.30	0.36	0.56		1.09	OK	0	0
12/15	0	08:45	2.33				0.29	0.41	0.57		1.07	OK	0	0
12/16	0	09:45	2.10				0.26	0.28	0.53		1.03	OK	0	0
12/17	0.43	22:45	2.64				0.32	0.42	0.75		1.16	OK	0	0
12/18	2.96	07:30	13.34				1.16	1.59	2.68		7.91	Exceedance	7:00	0.40073
12/19	0	05:30	3.87				0.39	0.55	1.16		1.78	OK	0	0
12/20	0	08:30	3.08				0.39	0.46	0.89		1.34	OK	0	0
12/21	0	08:00	2.36				0.31	0.35	0.67		1.03	OK	0	0
12/22	0	11:45	3.02				0.30	0.38	0.80		1.54	OK	0	0
12/23	0	10:45	2.84				0.29	0.38	0.67		1.51	OK	0	0
12/24	0	14:00	2.95				0.35	0.40	0.73		1.47	OK	0	0
12/25	0	14:00	2.74				0.31	0.41	0.64		1.39	OK	0	0
12/26	0	11:15	2.66				0.28	0.34	0.64		1.41	OK	0	0
12/27	0.44	23:45	2.73				0.23	0.34	0.62		1.55	OK	0	0
12/28	1.29	03:45	6.04				0.48	0.60	1.33		3.63	OK	0	0
12/29	0.04	00:00	3.72				0.35	0.47	0.94		1.96	OK	0	0
12/30	0	18:45	2.80				0.28	0.37	0.80		1.35	OK	0	0
12/31	0	14:00	2.94				0.30	0.43	0.73		1.48	OK	0	0

TOTAL	<input type="text" value="7.83"/>											Total	<input type="text" value="7:00"/>	<input type="text" value="0.40073"/>
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AVERAGE PEAK FLOW	<input type="text" value="3.24"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.35"/>	<input type="text" value="0.43"/>	<input type="text" value="0.78"/>	<input type="text" value="0.00"/>
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FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF DAYS WITH EXCEEDANCE:

FORMULA

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV02	RV07			RV01 (-15 min)	RV20						
12/01	0.37	17:45	4.08	0.85			2.81	0.74			1.38	OK	0	0
12/02	0	12:15	4.67	0.94			3.14	1.00			1.48	OK	0	0
12/03	0.8	09:45	4.10	1.05			2.65	0.73			1.77	OK	0	0
12/04	0	08:00	4.24	0.98			3.02	0.68			1.52	OK	0	0
12/05	0	19:30	4.47	0.87			3.11	0.82			1.42	OK	0	0
12/06	0	20:00	4.44	0.83			3.08	0.83			1.36	OK	0	0
12/07	0	19:45	4.28	0.79			2.94	0.81			1.31	OK	0	0
12/08	0	08:00	3.29	0.82			2.32	0.48			1.31	OK	0	0
12/09	0	12:45	4.62	0.83			3.26	0.93			1.26	OK	0	0
12/10	0.98	22:00	5.63	1.05			3.74	1.25			1.69	OK	0	0
12/11	0.52	10:45	7.25	1.29			5.04	1.50			2.00	OK	0	0
12/12	0	08:15	4.59	1.06			3.25	0.78			1.63	OK	0	0
12/13	0	17:45	4.37	1.01			3.04	0.80			1.54	OK	0	0
12/14	0	18:00	4.29	0.90			2.89	0.80			1.50	OK	0	0
12/15	0	08:00	3.54	0.92			2.45	0.55			1.45	OK	0	0
12/16	0	11:30	4.72	0.92			3.16	0.97			1.52	OK	0	0
12/17	0.43	12:00	4.54	0.88			3.07	0.94			1.42	OK	0	0
12/18	2.96	08:45	9.06	2.76			5.36	1.90			4.56	Exceedance	11:30	0.25217
12/19	0	07:45	7.07	1.21			5.23	1.05			2.00	OK	0	0
12/20	0	08:00	5.50	0.98			3.76	0.84			1.88	OK	0	0
12/21	0	18:15	5.38	0.91			3.57	0.97			1.76	OK	0	0
12/22	0	12:15	5.65	0.88			3.73	1.11			1.69	OK	0	0
12/23	0	11:45	5.46	0.88			3.59	1.08			1.66	OK	0	0
12/24	0	15:45	5.46	0.80			3.63	1.10			1.53	OK	0	0
12/25	0	11:45	4.85	0.80			3.12	0.98			1.55	OK	0	0
12/26	0	09:15	3.94	0.70			2.64	0.63			1.38	OK	0	0
12/27	0.44	11:45	4.92	0.81			3.33	1.03			1.37	OK	0	0
12/28	1.29	13:45	7.48	1.18			5.09	1.55			2.02	OK	0	0
12/29	0.04	10:15	6.18	1.03			4.11	1.18			1.92	OK	0	0
12/30	0	09:45	5.06	0.97			3.30	0.82			1.91	OK	0	0
12/31	0	12:00	5.52	0.93			3.67	1.11			1.67	OK	0	0

TOTAL	7.83											Total	11:30	0.25217
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AVERAGE PEAK FLOW	5.12	0.99	0.00	0.00	3.45	0.97	0.00	0.00
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FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV20											
12/01	0.37	21:00	1.09							1.09	OK	0	0	
12/02	0	12:00	1.01							1.01	OK	0	0	
12/03	0.8	13:00	1.46							1.46	OK	0	0	
12/04	0	11:00	1.10							1.10	OK	0	0	
12/05	0	09:30	1.05							1.05	OK	0	0	
12/06	0	09:45	1.01							1.01	OK	0	0	
12/07	0	09:45	0.95							0.95	OK	0	0	
12/08	0	10:00	0.97							0.97	OK	0	0	
12/09	0	12:00	0.95							0.95	OK	0	0	
12/10	0.98	22:45	1.42							1.42	OK	0	0	
12/11	0.52	09:45	1.57							1.57	OK	0	0	
12/12	0	10:00	1.13							1.13	OK	0	0	
12/13	0	10:00	1.07							1.07	OK	0	0	
12/14	0	10:00	1.03							1.03	OK	0	0	
12/15	0	10:15	1.02							1.02	OK	0	0	
12/16	0	12:30	1.02							1.02	OK	0	0	
12/17	0.43	22:45	1.08							1.08	OK	0	0	
12/18	2.96	06:30	2.45							2.45	OK	0	0	
12/19	0	00:00	1.50							1.50	OK	0	0	
12/20	0	09:45	1.19							1.19	OK	0	0	
12/21	0	11:15	1.15							1.15	OK	0	0	
12/22	0	11:30	1.14							1.14	OK	0	0	
12/23	0	12:30	1.17							1.17	OK	0	0	
12/24	0	14:15	1.21							1.21	OK	0	0	
12/25	0	14:15	1.14							1.14	OK	0	0	
12/26	0	13:30	1.11							1.11	OK	0	0	
12/27	0.44	12:30	1.10							1.10	OK	0	0	
12/28	1.29	04:00	1.93							1.93	OK	0	0	
12/29	0.04	11:45	1.33							1.33	OK	0	0	
12/30	0	13:30	1.22							1.22	OK	0	0	
12/31	0	13:30	1.20							1.20	OK	0	0	

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV14	RV31			RV11 (-60 min)	RV13 (-75 min)	RV15 (-105 min)	RV17 (-60 min)				
12/01	0.37	22:45	26.87	10.19			19.06	0.88	1.39	0.55	15.16	OK	0	0
12/02	0	13:15	25.92	8.16			17.66	0.88	1.36	0.53	13.65	OK	0	0
12/03	0.8	14:45	42.03	6.37			27.74	1.17	3.42	1.03	15.05	OK	0	0
12/04	0	01:45	33.93	7.09			22.82	1.02	1.96	0.76	14.46	OK	0	0
12/05	0	13:15	27.68	9.20			18.41	0.92	1.40	0.49	15.65	OK	0	0
12/06	0	12:15	25.19	11.23			17.72	0.88	1.28	0.41	16.14	OK	0	0
12/07	0	13:45	24.75	5.80			16.36	0.85	1.11	0.52	11.71	OK	0	0
12/08	0	12:15	24.23	4.59			16.45	0.83	1.15	0.50	9.88	OK	0	0
12/09	0	14:45	25.64	10.45			17.13	0.87	1.21	0.46	16.43	OK	0	0
12/10	0.98	23:00	35.82	8.96			21.74	1.06	1.95	0.87	19.16	Exceedance	0:15	0.01976
12/11	0.52	03:00	42.23	7.37			25.16	1.14	4.16	1.20	17.95	Exceedance	0:15	0.00714
12/12	0	01:30	33.87	7.53			22.16	1.02	2.23	0.62	15.38	OK	0	0
12/13	0	12:00	29.66	0.62			19.70	0.95	1.66	0.45	7.53	OK	0	0
12/14	0	15:00	26.00	8.09			17.50	0.90	1.21	0.52	13.96	OK	0	0
12/15	0	09:00	19.33	4.49			12.13	0.80	0.94	0.44	9.51	OK	0	0
12/16	0	08:45	16.43	3.36			9.70	0.68	0.79	0.37	8.25	OK	0	0
12/17	0.43	21:30	26.58	2.82			17.81	0.90	1.11	0.53	9.05	OK	0	0
12/18	2.96	08:30	69.09	25.15			55.58	3.14	5.42	1.56	28.55	Exceedance	11:15	2.26014
12/19	0	08:15	49.37	2.13			29.87	1.80	2.83	0.87	16.13	OK	0	0
12/20	0	08:45	32.62	8.78			21.89	1.25	1.71	0.63	15.92	OK	0	0
12/21	0	19:00	29.54	10.20			20.72	1.05	1.52	0.52	15.94	OK	0	0
12/22	0	15:15	30.17	2.54			20.71	1.03	1.52	0.52	8.94	OK	0	0
12/23	0	18:15	29.43	4.67			20.47	1.03	1.51	0.50	10.58	OK	0	0
12/24	0	15:00	30.65	5.49			21.94	1.05	1.69	0.57	10.90	OK	0	0
12/25	0	12:15	24.92	3.86			16.84	0.88	1.17	0.57	9.31	OK	0	0
12/26	0	16:45	27.85	7.96			19.35	0.88	1.16	0.50	13.92	OK	0	0
12/27	0.44	15:15	27.06	7.80			18.49	0.89	1.18	0.50	13.80	OK	0	0
12/28	1.29	05:00	48.99	14.95			38.29	1.51	4.09	1.63	18.42	Exceedance	0:30	0.0162
12/29	0.04	16:15	39.06	9.03			27.37	1.19	2.34	0.67	16.53	OK	0	0
12/30	0	20:15	32.93	10.42			23.01	1.03	1.89	0.56	16.85	OK	0	0
12/31	0	23:00	29.19	9.97			20.20	0.97	1.55	0.48	15.96	OK	0	0

TOTAL	7.83											Total	12:15	2.30324
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AVERAGE PEAK FLOW	31.84	7.72	0.00	0.00	21.74	1.08	1.87	0.66
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FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)	
			OUTFLOW METERS				INFLOW METERS								
			RV29				RV30 (-15 min)	RV07 (-30 min)							
12/01	0.37	16:30	1.88					0.27	0.69			0.92	OK	0	0
12/02	0	20:00	1.99					0.24	0.74			1.01	OK	0	0
12/03	0.8	06:00	1.78					0.17	0.54			1.06	OK	0	0
12/04	0	06:00	2.34					0.24	0.78			1.31	OK	0	0
12/05	0	12:15	1.54					0.33	0.80			0.41	OK	0	0
12/06	0	07:00	1.34					0.25	0.70			0.39	OK	0	0
12/07	0	07:15	1.28					0.27	0.70			0.31	OK	0	0
12/08	0	07:30	1.13					0.26	0.71			0.16	OK	0	0
12/09	0	22:00	2.18					0.23	0.65			1.29	OK	0	0
12/10	0.98	00:15	2.03					0.22	0.61			1.20	OK	0	0
12/11	0.52	18:30	2.38					0.33	1.10			0.95	OK	0	0
12/12	0	11:15	2.16					0.31	0.95			0.90	OK	0	0
12/13	0	16:15	2.09					0.26	0.90			0.93	OK	0	0
12/14	0	07:45	2.16					0.31	0.87			0.99	OK	0	0
12/15	0	16:15	2.09					0.29	0.78			1.03	OK	0	0
12/16	0	02:30	1.92					0.20	0.59			1.12	OK	0	0
12/17	0.43	19:15	2.20					0.30	0.78			1.13	OK	0	0
12/18	2.96	16:30	3.51					0.59	1.89			1.03	OK	0	0
12/19	0	05:15	2.86					0.40	1.10			1.36	OK	0	0
12/20	0	06:15	2.34					0.36	0.83			1.15	OK	0	0
12/21	0	20:45	2.38					0.39	0.90			1.09	OK	0	0
12/22	0	08:00	2.31					0.36	0.84			1.10	OK	0	0
12/23	0	11:15	2.43					0.44	0.84			1.15	OK	0	0
12/24	0	15:00	2.27					0.40	0.78			1.09	OK	0	0
12/25	0	09:15	2.10					0.33	0.68			1.10	OK	0	0
12/26	0	21:00	2.05					0.34	0.70			1.02	OK	0	0
12/27	0.44	22:45	2.11					0.32	0.71			1.08	OK	0	0
12/28	1.29	04:00	3.22					0.44	1.45			1.32	OK	0	0
12/29	0.04	16:45	2.55					0.44	0.96			1.15	OK	0	0
12/30	0	18:30	2.38					0.40	0.85			1.13	OK	0	0
12/31	0	13:30	2.45					0.43	0.91			1.10	OK	0	0

TOTAL	7.83											Total	0	0
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AVERAGE PEAK FLOW	2.18	0.00	0.00	0.33	0.85	0.00	0.00
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FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV18	RV19										
12/01	0.37	20:30	1.06	0.86							1.92	OK	0	0
12/02	0	12:00	1.08	0.87							1.95	OK	0	0
12/03	0.8	12:30	1.68	0.88							2.57	OK	0	0
12/04	0	11:00	1.21	2.50							3.70	OK	0	0
12/05	0	21:00	1.17	1.63							2.80	OK	0	0
12/06	0	08:30	1.07	1.51							2.58	OK	0	0
12/07	0	09:00	1.16	1.40							2.56	OK	0	0
12/08	0	09:15	1.07	1.72							2.79	OK	0	0
12/09	0	13:00	1.10	1.39							2.50	OK	0	0
12/10	0.98	22:45	1.43	1.70							3.14	OK	0	0
12/11	0.52	08:45	1.71	1.68							3.39	OK	0	0
12/12	0	09:00	1.30	1.40							2.70	OK	0	0
12/13	0	09:00	1.24	1.38							2.63	OK	0	0
12/14	0	21:45	1.15	1.37							2.52	OK	0	0
12/15	0	09:00	1.13	1.37							2.50	OK	0	0
12/16	0	12:15	1.19	1.39							2.59	OK	0	0
12/17	0.43	21:00	1.17	1.66							2.83	OK	0	0
12/18	2.96	07:00	3.64	2.52							6.16	Exceedance	7:30	0.2176
12/19	0	00:15	1.32	1.66							2.98	OK	0	0
12/20	0	10:15	1.07	1.65							2.72	OK	0	0
12/21	0	10:00	1.17	1.40							2.56	OK	0	0
12/22	0	10:30	1.02	1.39							2.42	OK	0	0
12/23	0	12:30	1.06	1.41							2.47	OK	0	0
12/24	0	11:30	1.00	1.54							2.53	OK	0	0
12/25	0	13:30	1.00	1.36							2.36	OK	0	0
12/26	0	12:30	0.96	1.34							2.31	OK	0	0
12/27	0.44	23:00	0.84	1.59							2.42	OK	0	0
12/28	1.29	03:45	1.85	1.62							3.47	OK	0	0
12/29	0.04	11:00	1.20	1.37							2.57	OK	0	0
12/30	0	14:00	1.09	1.37							2.46	OK	0	0
12/31	0	13:45	1.10	1.36							2.46	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV01											
12/01	0.37	21:45	3.48							3.48	OK	0	0	
12/02	0	12:45	3.40							3.40	OK	0	0	
12/03	0.8	15:00	4.56							4.56	Exceedance	3:30	0.00969	
12/04	0	11:00	3.84							3.84	OK	0	0	
12/05	0	00:00	3.50							3.50	OK	0	0	
12/06	0	22:30	3.46							3.46	OK	0	0	
12/07	0	10:00	3.29							3.29	OK	0	0	
12/08	0	10:45	3.23							3.23	OK	0	0	
12/09	0	14:45	3.32							3.32	OK	0	0	
12/10	0.98	22:45	4.26							4.26	OK	0	0	
12/11	0.52	11:00	5.22							5.22	Exceedance	11:30	0.18775	
12/12	0	00:00	3.93							3.93	OK	0	0	
12/13	0	22:00	3.67							3.67	OK	0	0	
12/14	0	21:30	3.39							3.39	OK	0	0	
12/15	0	11:15	3.37							3.37	OK	0	0	
12/16	0	13:15	3.46							3.46	OK	0	0	
12/17	0.43	23:00	3.71							3.71	OK	0	0	
12/18	2.96	06:15	7.60							7.60	Exceedance	21:15	1.81752	
12/19	0	00:15	6.13							6.13	Exceedance	24:00	0.77407	
12/20	0	00:15	4.68							4.68	Exceedance	3:30	0.01451	
12/21	0	09:45	4.09							4.09	OK	0	0	
12/22	0	16:45	4.00							4.00	OK	0	0	
12/23	0	12:30	4.00							4.00	OK	0	0	
12/24	0	13:45	3.94							3.94	OK	0	0	
12/25	0	15:00	3.74							3.74	OK	0	0	
12/26	0	13:30	3.88							3.88	OK	0	0	
12/27	0.44	13:00	3.69							3.69	OK	0	0	
12/28	1.29	04:45	7.44							7.44	Exceedance	22:00	0.94485	
12/29	0.04	00:15	4.65							4.65	Exceedance	8:45	0.04506	
12/30	0	13:15	4.08							4.08	OK	0	0	
12/31	0	14:00	4.08							4.08	OK	0	0	

TOTAL	<input type="text" value="7.83"/>											Total	<input type="text" value="94:30"/>	<input type="text" value="3.79345"/>
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AVERAGE PEAK FLOW	<input type="text" value="4.16"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
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FLOW RIGHTS UTILIZATION REPORT

Month/Year December 2023

MEMBER Westfield

FORMULA METER NO. RV04 + RV05 + RV06 + RV09 - RV18 - RV19

FLOW RIGHTS AVAILABLE (mgd): 10.94

No. OF DAYS WITH EXCEEDANCE: 1

MAX. FLOW: 13.95 AVG. FLOW 6.15

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV04	RV05	RV06	RV09	RV18 (-45 min)	RV19 (-30 min)						
12/01	0.37	22:00	0.32	0.36	0.62	4.88	1.06	0.32			4.80	OK	0	0
12/02	0	11:30	0.31	0.37	0.64	4.50	1.06	0.00			4.76	OK	0	0
12/03	0.8	14:00	0.49	0.53	1.00	7.03	1.63	0.00			7.42	OK	0	0
12/04	0	08:45	0.42	0.48	0.80	5.54	1.03	0.05			6.15	OK	0	0
12/05	0	09:15	0.35	0.37	0.65	6.02	1.10	1.18			5.10	OK	0	0
12/06	0	09:15	0.32	0.34	0.56	5.68	1.07	1.17			4.65	OK	0	0
12/07	0	21:15	0.30	0.30	0.56	5.29	0.97	0.96			4.52	OK	0	0
12/08	0	10:00	0.25	0.33	0.53	5.53	1.07	1.27			4.31	OK	0	0
12/09	0	11:30	0.33	0.37	0.58	5.49	1.02	1.39			4.37	OK	0	0
12/10	0.98	22:45	0.42	0.44	0.79	7.35	1.46	1.49			6.05	OK	0	0
12/11	0.52	08:15	0.63	0.67	1.23	9.22	1.40	1.38			8.98	OK	0	0
12/12	0	08:45	0.45	0.43	0.82	6.72	1.01	1.40			6.00	OK	0	0
12/13	0	08:45	0.38	0.41	0.72	6.03	0.86	1.38			5.30	OK	0	0
12/14	0	20:00	0.37	0.38	0.68	5.59	0.89	1.37			4.75	OK	0	0
12/15	0	09:30	0.29	0.39	0.62	5.86	1.04	1.37			4.74	OK	0	0
12/16	0	11:30	0.43	0.36	0.73	5.95	1.11	1.39			4.96	OK	0	0
12/17	0.43	22:15	0.45	0.41	0.75	6.03	1.16	1.38			5.10	OK	0	0
12/18	2.96	07:00	1.32	1.86	2.96	12.84	3.06	1.98			13.95	Exceedance	17:15	0.89791
12/19	0	00:15	0.49	0.66	1.39	10.06	1.38	1.66			9.55	OK	0	0
12/20	0	09:45	0.46	0.49	0.93	7.39	1.13	1.40			6.75	OK	0	0
12/21	0	09:15	0.33	0.42	0.83	6.66	1.01	1.40			5.84	OK	0	0
12/22	0	12:00	0.32	0.36	0.84	6.37	0.98	1.40			5.52	OK	0	0
12/23	0	13:00	0.37	0.43	0.77	6.46	1.06	1.41			5.57	OK	0	0
12/24	0	13:30	0.37	0.40	0.76	6.73	0.97	1.46			5.83	OK	0	0
12/25	0	13:15	0.31	0.41	0.68	6.25	0.97	1.36			5.31	OK	0	0
12/26	0	12:30	0.29	0.38	0.72	5.97	0.89	1.34			5.13	OK	0	0
12/27	0.44	12:15	0.30	0.32	0.65	5.90	0.93	1.32			4.91	OK	0	0
12/28	1.29	03:45	0.57	0.64	1.56	10.59	1.55	1.62			10.19	OK	0	0
12/29	0.04	12:00	0.39	0.49	1.04	8.20	1.13	1.37			7.63	OK	0	0
12/30	0	12:45	0.37	0.45	0.91	7.36	1.05	1.37			6.66	OK	0	0
12/31	0	13:30	0.32	0.37	0.75	7.00	1.08	1.36			5.99	OK	0	0

TOTAL 7.83

Total 17:15 0.89791

AVERAGE PEAK FLOW 0.41 0.47 0.87 6.79 1.17 1.22 0.00 0.00



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV15											
12/01	0.37	21:00	1.39							1.39	OK	0	0	
12/02	0	12:15	1.45							1.45	OK	0	0	
12/03	0.8	13:45	3.85							3.85	Exceedance	2:15	0.01333	
12/04	0	08:30	2.10							2.10	OK	0	0	
12/05	0	09:30	1.62							1.62	OK	0	0	
12/06	0	09:30	1.37							1.37	OK	0	0	
12/07	0	09:30	1.21							1.21	OK	0	0	
12/08	0	09:00	1.18							1.18	OK	0	0	
12/09	0	11:00	1.30							1.30	OK	0	0	
12/10	0.98	23:45	3.10							3.10	OK	0	0	
12/11	0.52	03:45	5.23							5.23	Exceedance	15:30	0.69561	
12/12	0	00:00	2.22							2.22	OK	0	0	
12/13	0	09:15	1.69							1.69	OK	0	0	
12/14	0	09:45	1.44							1.44	OK	0	0	
12/15	0	10:00	1.29							1.29	OK	0	0	
12/16	0	11:45	1.42							1.42	OK	0	0	
12/17	0.43	12:00	1.36							1.36	OK	0	0	
12/18	2.96	15:15	6.24							6.24	Exceedance	20:30	1.65685	
12/19	0	00:15	4.80							4.80	Exceedance	3:45	0.12147	
12/20	0	00:00	2.18							2.18	OK	0	0	
12/21	0	10:00	1.79							1.79	OK	0	0	
12/22	0	12:00	1.54							1.54	OK	0	0	
12/23	0	12:45	1.70							1.70	OK	0	0	
12/24	0	13:45	1.71							1.71	OK	0	0	
12/25	0	14:15	1.51							1.51	OK	0	0	
12/26	0	13:00	1.26							1.26	OK	0	0	
12/27	0.44	13:30	1.18							1.18	OK	0	0	
12/28	1.29	06:00	5.44							5.44	Exceedance	16:45	0.67896	
12/29	0.04	00:30	2.71							2.71	OK	0	0	
12/30	0	14:15	2.20							2.20	OK	0	0	
12/31	0	14:00	1.90							1.90	OK	0	0	

TOTAL	7.83											Total	58:45	3.16622
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AVERAGE PEAK FLOW	2.24		0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Re: Flow Rights Utilization Report - January 2024

Attached for your use please find Flow Rights Utilization Report for January 2024. The results are summarized below by town. The last column indicates each Municipality's total excess usage in millions of gallons above its Flow Right for the 2024 measuring year.

Member	Flow Rights (MGD)	Current Month		Measuring Year to Date		No. of Days Above Limit (2)		Total Excess Usage for 2024 Measuring Year (Millions of Gallons)
		Avg Flow Rate (MGD)	Max Flow Rate (MGD)	Avg Flow Rate (MGD)	Max Flow Rate (MGD)	Current Month	Total for 2024 Measuring Year	
Cranford	9.19	5.22	21.01	4.47	23.84	5	12	20.31835
Garwood	3.69	1.04	6.05	0.87	7.91	2	3	0.59718
Kenilworth	2.75	1.57	3.50	1.12	4.56	3	4	0.36246
Mountainside	3.15	0.97	2.43	0.82	2.45	0	0	0
Rahway	17.26	6.84	27.15	5.53	28.55	2	6	3.73819
Roselle Park	1.94	0.32	1.54	0.32	1.93	0	0	0
Scotch Plains	4.73	2.27	5.58	1.73	6.16	2	3	0.32067
Springfield	4.39	3.57	7.70	3.15	7.70	8	18	7.95254
Westfield	10.94	4.98	13.72	4.02	13.95	2	3	1.54489
Woodbridge	3.49	1.54	6.03	1.21	6.24	4	9	5.11448

Notes:

- (1) All meters are recorded every 15 minutes.
- (2) All flow rates are calculated for each 15-minute interval utilizing the estimated time of travel as per Resolution #20-33.



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV11	RV17			RV09 (-30 min)	RV10 (-30 min)						
1/01	0	14:15	21.21	0.54			6.29	13.15			2.31	OK	0	0
1/02	0	22:45	20.99	0.51			5.93	12.86			2.70	OK	0	0
1/03	0	00:00	19.24	0.48			5.67	11.94			2.12	OK	0	0
1/04	0	19:15	17.18	0.47			5.05	10.88			1.72	OK	0	0
1/05	0	19:45	17.02	0.50			5.09	11.02			1.42	OK	0	0
1/06	0.29	23:15	20.40	0.63			5.54	13.34			2.15	OK	0	0
1/07	0.39	16:15	28.31	0.72			7.97	17.90			3.15	OK	0	0
1/08	0	19:30	19.32	0.61			5.56	12.46			1.91	OK	0	0
1/09	2.13	20:45	38.53	1.46			10.74	24.79			4.46	OK	0	0
1/10	0.1	03:45	48.37	1.66			11.43	35.51			3.08	OK	0	0
1/11	0	09:00	27.53	0.67			7.66	17.37			3.17	OK	0	0
1/12	0.14	16:45	23.23	0.56			6.05	14.66			3.08	OK	0	0
1/13	0.74	04:15	31.32	1.21			8.48	19.10			4.95	OK	0	0
1/14	0	18:15	25.18	0.63			6.82	14.74			4.25	OK	0	0
1/15	0	17:00	23.29	0.50			6.27	13.54			3.98	OK	0	0
1/16	0	00:15	21.58	0.48			6.11	12.64			3.31	OK	0	0
1/17	0	22:45	21.43	0.52			6.30	12.83			2.82	OK	0	0
1/18	0	21:15	20.14	0.56			5.77	11.78			3.15	OK	0	0
1/19	0	22:15	20.06	0.50			5.50	12.07			2.99	OK	0	0
1/20	0.03	14:00	21.28	0.47			5.80	12.60			3.36	OK	0	0
1/21	0.08	13:45	19.59	0.56			5.52	11.61			3.01	OK	0	0
1/22	0.04	21:30	18.67	0.52			5.26	11.09			2.85	OK	0	0
1/23	0.02	23:15	17.91	0.54			5.18	10.16			3.10	OK	0	0
1/24	0.05	21:30	18.43	0.54			5.41	10.47			3.10	OK	0	0
1/25	0.21	10:45	22.22	0.51			6.28	13.28			3.17	OK	0	0
1/26	0.24	12:30	23.46	0.61			6.35	14.83			2.89	OK	0	0
1/27	0	14:15	21.66	0.49			5.92	13.09			3.14	OK	0	0
1/28	0.91	11:45	35.15	1.20			9.47	21.27			5.61	Exceedance	0:45	0.01098
1/29	0.04	10:30	27.26	0.67			7.71	16.00			4.22	OK	0	0
1/30	0	00:00	23.89	0.58			6.57	14.24			3.66	OK	0	0
1/31	0	22:00	21.65	0.54			6.25	13.01			2.92	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)	
			OUTFLOW METERS				INFLOW METERS								
			RV10	RV13	RV30 (-90 min)		RV02 (-90 min)	RV03 (-60 min)	RV29 (-75 min)						
1/01	0	14:30	14.03	0.99	0.40			5.25	2.61	1.47		6.09	OK	0	0
1/02	0	21:00	12.86	0.96	0.38			4.96	2.43	1.47		5.34	OK	0	0
1/03	0	19:15	12.18	0.94	0.35			4.67	2.15	1.20		5.46	OK	0	0
1/04	0	20:30	12.10	0.89	0.38			4.59	2.09	1.32		5.37	OK	0	0
1/05	0	11:45	12.67	0.84	0.36			4.69	2.01	2.11		5.06	OK	0	0
1/06	0.29	23:45	13.98	1.03	0.34			4.86	2.48	2.14		5.86	OK	0	0
1/07	0.39	13:15	18.05	1.16	0.45			5.83	3.64	1.91		8.27	OK	0	0
1/08	0	08:30	12.25	0.94	0.32			3.73	2.06	1.73		6.00	OK	0	0
1/09	2.13	23:30	38.32	2.78	0.62			10.52	7.67	3.51		20.01	Exceedance	5:00	1.159
1/10	0.1	00:45	40.91	3.10	0.70			9.34	10.49	3.85		21.01	Exceedance	24:00	5.95319
1/11	0	00:30	21.60	1.37	0.45			7.51	3.65	2.70		9.57	Exceedance	0:30	0.00566
1/12	0.14	11:45	16.67	1.09	0.44			6.10	2.65	2.32		7.13	OK	0	0
1/13	0.74	13:00	23.72	1.51	0.56			7.91	3.72	2.70		11.46	Exceedance	12:30	0.49588
1/14	0	14:00	17.80	1.19	0.52			6.64	3.13	1.81		7.93	OK	0	0
1/15	0	11:00	14.03	1.08	0.44			5.05	2.72	1.59		6.19	OK	0	0
1/16	0	19:00	16.04	1.11	0.42			5.88	2.73	2.45		6.51	OK	0	0
1/17	0	10:15	13.66	1.05	0.45			4.88	2.59	1.62		6.08	OK	0	0
1/18	0	22:00	12.87	0.99	0.40			5.27	2.43	1.55		5.01	OK	0	0
1/19	0	19:45	13.37	0.96	0.37			5.15	2.43	1.84		5.29	OK	0	0
1/20	0.03	16:45	13.31	0.91	0.41			5.34	2.16	1.60		5.53	OK	0	0
1/21	0.08	14:45	12.38	0.92	0.41			5.21	2.41	1.45		4.64	OK	0	0
1/22	0.04	21:15	12.08	0.88	0.41			4.86	2.35	1.44		4.72	OK	0	0
1/23	0.02	09:15	10.92	0.83	0.35			3.80	2.23	1.35		4.73	OK	0	0
1/24	0.05	09:45	11.46	0.82	0.35			4.17	2.30	1.95		4.21	OK	0	0
1/25	0.21	12:00	14.37	1.00	0.41			5.50	2.71	1.43		6.14	OK	0	0
1/26	0.24	15:00	15.00	0.99	0.39			5.57	2.53	1.62		6.67	OK	0	0
1/27	0	11:15	12.45	0.99	0.42			4.43	2.47	1.44		5.51	OK	0	0
1/28	0.91	10:15	20.81	1.41	0.47			5.53	4.30	2.04		10.82	Exceedance	6:00	0.22399
1/29	0.04	09:00	15.72	1.14	0.45			5.23	3.06	1.72		7.29	OK	0	0
1/30	0	08:45	13.36	1.01	0.38			4.37	2.35	1.54		6.49	OK	0	0
1/31	0	08:45	13.04	0.99	0.40			4.11	2.38	1.90		6.05	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV03				RV04 (-45 min)	RV05 (-45 min)	RV06 (-60 min)					
1/01	0	13:30	2.61				0.31	0.35	0.65		1.30	OK	0	0
1/02	0	20:15	2.61				0.30	0.34	0.68		1.29	OK	0	0
1/03	0	08:45	2.24				0.29	0.30	0.56		1.09	OK	0	0
1/04	0	07:45	2.02				0.25	0.21	0.40		1.16	OK	0	0
1/05	0	12:00	2.16				0.24	0.27	0.60		1.05	OK	0	0
1/06	0.29	23:00	2.62				0.29	0.29	0.68		1.37	OK	0	0
1/07	0.39	13:45	3.84				0.45	0.50	1.05		1.83	OK	0	0
1/08	0	07:45	2.24				0.31	0.27	0.54		1.12	OK	0	0
1/09	2.13	23:45	10.49				1.01	1.34	2.40		5.74	Exceedance	1:30	0.06886
1/10	0.1	00:00	11.18				1.06	1.50	2.57		6.05	Exceedance	2:30	0.12759
1/11	0	08:00	3.45				0.41	0.55	0.92		1.56	OK	0	0
1/12	0.14	08:30	2.87				0.40	0.44	0.79		1.25	OK	0	0
1/13	0.74	03:45	4.43				0.39	0.62	1.15		2.27	OK	0	0
1/14	0	10:00	3.15				0.40	0.44	0.86		1.45	OK	0	0
1/15	0	10:45	2.95				0.36	0.46	0.81		1.32	OK	0	0
1/16	0	19:15	3.00				0.35	0.44	0.82		1.39	OK	0	0
1/17	0	21:15	2.83				0.36	0.47	0.72		1.29	OK	0	0
1/18	0	07:45	2.32				0.27	0.31	0.52		1.22	OK	0	0
1/19	0	20:00	2.57				0.32	0.38	0.76		1.12	OK	0	0
1/20	0.03	13:15	2.81				0.41	0.42	0.84		1.13	OK	0	0
1/21	0.08	10:00	2.29				0.28	0.25	0.59		1.17	OK	0	0
1/22	0.04	19:30	2.36				0.26	0.30	0.70		1.11	OK	0	0
1/23	0.02	08:00	2.15				0.26	0.25	0.50		1.14	OK	0	0
1/24	0.05	19:15	2.29				0.27	0.34	0.68		1.01	OK	0	0
1/25	0.21	08:15	2.74				0.30	0.37	0.71		1.35	OK	0	0
1/26	0.24	08:15	2.71				0.30	0.37	0.75		1.29	OK	0	0
1/27	0	09:45	2.42				0.29	0.31	0.64		1.17	OK	0	0
1/28	0.91	08:45	4.17				0.38	0.43	0.95		2.40	OK	0	0
1/29	0.04	00:00	3.45				0.48	0.50	0.97		1.50	OK	0	0
1/30	0	19:00	2.69				0.31	0.36	0.84		1.18	OK	0	0
1/31	0	20:45	2.71				0.35	0.44	0.73		1.18	OK	0	0

TOTAL	5.41											Total	4:00	0.19645
AVERAGE PEAK FLOW		3.30	0.00	0.00	0.38	0.45	0.85	0.00						



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV02	RV07			RV01 (-15 min)	RV20						
1/01	0	13:30	5.40	0.87			3.44	1.10			1.72	OK	0	0
1/02	0	18:15	4.91	0.84			3.24	0.86			1.65	OK	0	0
1/03	0	21:30	5.28	0.80			3.31	1.03			1.74	OK	0	0
1/04	0	19:30	4.56	0.80			2.92	0.86			1.59	OK	0	0
1/05	0	22:00	4.89	0.72			3.10	0.93			1.58	OK	0	0
1/06	0.29	21:30	4.92	0.78			3.04	0.99			1.67	OK	0	0
1/07	0.39	13:15	6.51	1.08			4.21	1.35			2.03	OK	0	0
1/08	0	18:45	4.92	0.84			3.25	0.88			1.62	OK	0	0
1/09	2.13	22:30	10.97	2.28			7.50	2.39			3.36	Exceedance	3:00	0.0394
1/10	0.1	09:15	10.01	1.73			6.40	1.84			3.50	Exceedance	6:00	0.0708
1/11	0	12:15	6.93	1.13			4.42	1.27			2.37	OK	0	0
1/12	0.14	13:00	6.11	1.07			3.89	1.12			2.16	OK	0	0
1/13	0.74	10:45	8.04	1.52			5.31	1.49			2.76	Exceedance	0:15	0.00009
1/14	0	12:15	6.59	1.22			4.20	1.28			2.33	OK	0	0
1/15	0	18:30	6.06	1.03			3.77	1.14			2.19	OK	0	0
1/16	0	20:15	6.12	1.07			4.04	1.18			1.97	OK	0	0
1/17	0	17:30	5.35	1.05			3.54	0.96			1.90	OK	0	0
1/18	0	20:15	5.25	1.01			3.43	0.99			1.84	OK	0	0
1/19	0	18:45	5.27	1.00			3.37	0.99			1.90	OK	0	0
1/20	0.03	11:00	5.06	1.08			3.12	1.01			2.01	OK	0	0
1/21	0.08	12:30	5.20	1.03			3.36	1.03			1.84	OK	0	0
1/22	0.04	19:45	4.86	1.00			3.15	0.92			1.80	OK	0	0
1/23	0.02	19:15	4.78	0.92			3.15	0.82			1.74	OK	0	0
1/24	0.05	20:00	4.91	1.00			3.22	0.91			1.78	OK	0	0
1/25	0.21	07:30	4.42	1.04			2.78	0.78			1.91	OK	0	0
1/26	0.24	18:15	5.31	1.13			3.69	0.95			1.81	OK	0	0
1/27	0	17:00	5.24	1.07			3.49	1.00			1.81	OK	0	0
1/28	0.91	11:00	7.69	1.43			5.05	1.81			2.26	OK	0	0
1/29	0.04	11:15	6.42	1.03			4.27	1.26			1.92	OK	0	0
1/30	0	21:15	5.78	1.00			3.89	1.09			1.80	OK	0	0
1/31	0	20:45	5.54	1.00			3.56	1.08			1.90	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV20											
1/01	0	14:45	1.14							1.14	OK	0	0	
1/02	0	21:45	1.11							1.11	OK	0	0	
1/03	0	10:15	1.04							1.04	OK	0	0	
1/04	0	10:15	1.03							1.03	OK	0	0	
1/05	0	10:30	1.06							1.06	OK	0	0	
1/06	0.29	13:30	1.04							1.04	OK	0	0	
1/07	0.39	13:30	1.39							1.39	OK	0	0	
1/08	0	10:30	1.08							1.08	OK	0	0	
1/09	2.13	23:15	2.43							2.43	OK	0	0	
1/10	0.1	03:45	2.11							2.11	OK	0	0	
1/11	0	10:15	1.34							1.34	OK	0	0	
1/12	0.14	10:00	1.22							1.22	OK	0	0	
1/13	0.74	11:45	1.59							1.59	OK	0	0	
1/14	0	13:00	1.30							1.30	OK	0	0	
1/15	0	12:15	1.35							1.35	OK	0	0	
1/16	0	13:15	1.36							1.36	OK	0	0	
1/17	0	16:00	1.52							1.52	OK	0	0	
1/18	0	09:45	1.16							1.16	OK	0	0	
1/19	0	12:00	1.16							1.16	OK	0	0	
1/20	0.03	12:30	1.16							1.16	OK	0	0	
1/21	0.08	21:45	1.08							1.08	OK	0	0	
1/22	0.04	21:45	1.10							1.10	OK	0	0	
1/23	0.02	10:00	1.04							1.04	OK	0	0	
1/24	0.05	10:00	1.06							1.06	OK	0	0	
1/25	0.21	09:30	1.26							1.26	OK	0	0	
1/26	0.24	09:45	1.30							1.30	OK	0	0	
1/27	0	13:45	1.16							1.16	OK	0	0	
1/28	0.91	10:45	1.84							1.84	OK	0	0	
1/29	0.04	10:15	1.34							1.34	OK	0	0	
1/30	0	10:45	1.25							1.25	OK	0	0	
1/31	0	09:15	1.18							1.18	OK	0	0	

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV14	RV31			RV11 (-60 min)	RV13 (-75 min)	RV15 (-105 min)	RV17 (-60 min)				
1/01	0	16:30	29.94	8.57			21.40	0.97	1.73	0.53	13.89	OK	0	0
1/02	0	15:00	28.37	7.55			19.60	0.90	1.15	0.51	13.76	OK	0	0
1/03	0	22:45	27.41	8.57			19.53	0.91	1.21	0.49	13.84	OK	0	0
1/04	0	20:15	25.00	6.48			17.18	0.86	1.01	0.47	11.95	OK	0	0
1/05	0	17:30	24.57	5.80			17.04	0.81	0.97	0.44	11.12	OK	0	0
1/06	0.29	17:45	25.11	8.53			17.95	0.84	1.11	0.48	13.26	OK	0	0
1/07	0.39	20:00	35.39	9.91			26.01	1.05	2.02	0.70	15.53	OK	0	0
1/08	0	23:15	29.14	8.37			20.48	0.92	1.46	0.52	14.14	OK	0	0
1/09	2.13	23:30	57.24	23.31			45.67	2.41	5.88	1.85	24.73	Exceedance	3:15	0.5682
1/10	0.1	00:15	58.44	25.79			46.91	2.79	5.58	1.80	27.15	Exceedance	5:30	0.86675
1/11	0	00:30	44.76	7.39			30.90	1.46	2.77	0.73	16.29	OK	0	0
1/12	0.14	13:15	35.25	9.46			24.36	1.12	1.74	0.55	16.94	OK	0	0
1/13	0.74	12:00	48.08	9.57			34.19	1.54	4.04	0.91	16.97	OK	0	0
1/14	0	16:00	38.63	7.42			26.93	1.18	2.21	0.64	15.09	OK	0	0
1/15	0	16:30	34.11	3.71			23.65	1.09	1.78	0.52	10.79	OK	0	0
1/16	0	16:00	34.70	7.03			22.45	1.08	1.70	0.54	15.96	OK	0	0
1/17	0	13:15	30.18	7.02			21.08	0.98	1.41	0.49	13.24	OK	0	0
1/18	0	12:45	28.19	5.49			18.97	0.95	1.22	0.42	12.13	OK	0	0
1/19	0	18:15	27.66	8.83			19.19	0.96	1.15	0.49	14.70	OK	0	0
1/20	0.03	20:15	27.05	8.87			18.30	0.90	1.13	0.47	15.13	OK	0	0
1/21	0.08	23:00	27.55	4.45			18.72	0.90	1.12	0.47	10.80	OK	0	0
1/22	0.04	23:00	26.69	9.68			18.90	0.88	1.00	0.50	15.09	OK	0	0
1/23	0.02	09:15	20.87	9.65			12.86	0.76	0.72	0.45	15.72	OK	0	0
1/24	0.05	03:15	20.28	7.73			14.11	0.62	0.71	0.41	12.17	OK	0	0
1/25	0.21	15:00	29.06	5.36			20.63	0.97	1.42	0.55	10.86	OK	0	0
1/26	0.24	15:00	32.74	5.21			22.66	1.01	1.76	0.57	11.96	OK	0	0
1/27	0	16:30	29.50	4.03			20.86	0.93	1.62	0.58	9.53	OK	0	0
1/28	0.91	10:00	39.97	3.75			24.39	1.19	2.38	1.27	14.50	OK	0	0
1/29	0.04	14:15	36.50	3.94			26.08	1.09	2.21	0.65	10.42	OK	0	0
1/30	0	03:45	27.09	2.54			18.39	0.89	1.52	0.47	8.37	OK	0	0
1/31	0	10:30	29.16	9.53			20.72	0.96	1.72	0.49	14.79	OK	0	0

TOTAL	5.41											Total	8:45	1.43495
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AVERAGE PEAK FLOW	32.54	8.18	0.00	0.00	22.91	1.09	1.85	0.64
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FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV29				RV30 (-15 min)	RV07 (-30 min)						
1/01	0	16:00	2.29				0.40	0.83			1.06	OK	0	0
1/02	0	21:30	2.22				0.37	0.79			1.06	OK	0	0
1/03	0	06:45	2.02				0.32	0.66			1.04	OK	0	0
1/04	0	01:00	1.91				0.30	0.65			0.95	OK	0	0
1/05	0	11:30	2.18				0.35	0.74			1.09	OK	0	0
1/06	0.29	22:45	2.24				0.34	0.79			1.11	OK	0	0
1/07	0.39	17:45	2.51				0.38	0.98			1.14	OK	0	0
1/08	0	06:45	2.14				0.30	0.70			1.14	OK	0	0
1/09	2.13	21:00	3.77				0.53	1.84			1.40	OK	0	0
1/10	0.1	04:30	4.10				0.63	1.93			1.54	OK	0	0
1/11	0	07:30	2.69				0.47	1.14			1.08	OK	0	0
1/12	0.14	00:30	2.32				0.40	0.98			0.94	OK	0	0
1/13	0.74	03:45	3.10				0.48	1.43			1.18	OK	0	0
1/14	0	14:30	2.58				0.48	1.12			0.98	OK	0	0
1/15	0	08:30	2.45				0.40	0.95			1.11	OK	0	0
1/16	0	18:30	2.53				0.41	1.03			1.09	OK	0	0
1/17	0	05:00	2.13				0.34	0.81			0.98	OK	0	0
1/18	0	07:15	2.30				0.36	0.87			1.06	OK	0	0
1/19	0	06:45	2.16				0.35	0.82			0.99	OK	0	0
1/20	0.03	13:45	2.35				0.40	1.05			0.90	OK	0	0
1/21	0.08	07:30	1.90				0.29	0.74			0.86	OK	0	0
1/22	0.04	07:30	2.12				0.35	0.91			0.86	OK	0	0
1/23	0.02	09:00	2.15				0.37	0.94			0.84	OK	0	0
1/24	0.05	09:45	2.09				0.36	0.87			0.85	OK	0	0
1/25	0.21	08:45	2.19				0.37	1.00			0.82	OK	0	0
1/26	0.24	08:45	2.32				0.37	1.12			0.83	OK	0	0
1/27	0	08:00	2.01				0.32	0.90			0.79	OK	0	0
1/28	0.91	10:45	3.01				0.47	1.43			1.11	OK	0	0
1/29	0.04	10:30	2.43				0.42	1.00			1.01	OK	0	0
1/30	0	12:30	2.29				0.41	0.90			0.98	OK	0	0
1/31	0	08:00	2.34				0.42	0.96			0.97	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV18	RV19										
1/01	0	20:15	1.08	1.36							2.45	OK	0	0
1/02	0	22:00	1.07	1.36							2.43	OK	0	0
1/03	0	21:30	1.05	1.36							2.42	OK	0	0
1/04	0	21:00	1.03	1.35							2.38	OK	0	0
1/05	0	09:15	1.01	1.32							2.33	OK	0	0
1/06	0.29	13:00	1.04	1.30							2.34	OK	0	0
1/07	0.39	12:45	1.45	1.54							2.99	OK	0	0
1/08	0	09:15	1.11	1.31							2.42	OK	0	0
1/09	2.13	23:45	3.51	1.99							5.49	Exceedance	3:00	0.05711
1/10	0.1	00:15	3.60	1.99							5.58	Exceedance	2:00	0.04596
1/11	0	08:45	1.43	1.35							2.78	OK	0	0
1/12	0.14	08:45	1.28	1.38							2.66	OK	0	0
1/13	0.74	03:00	1.45	1.61							3.05	OK	0	0
1/14	0	12:15	1.42	1.35							2.77	OK	0	0
1/15	0	13:15	1.32	1.34							2.66	OK	0	0
1/16	0	21:00	1.35	1.34							2.68	OK	0	0
1/17	0	09:45	1.36	1.35							2.71	OK	0	0
1/18	0	09:00	1.34	1.33							2.66	OK	0	0
1/19	0	09:30	1.22	1.32							2.54	OK	0	0
1/20	0.03	12:15	1.27	1.32							2.59	OK	0	0
1/21	0.08	12:00	1.22	1.33							2.55	OK	0	0
1/22	0.04	10:15	1.19	1.32							2.51	OK	0	0
1/23	0.02	08:45	1.23	1.29							2.52	OK	0	0
1/24	0.05	21:30	1.26	1.33							2.59	OK	0	0
1/25	0.21	08:45	1.48	1.30							2.78	OK	0	0
1/26	0.24	08:45	1.45	1.30							2.75	OK	0	0
1/27	0	11:30	1.35	1.31							2.66	OK	0	0
1/28	0.91	09:30	1.74	1.57							3.31	OK	0	0
1/29	0.04	08:45	1.47	1.33							2.80	OK	0	0
1/30	0	09:00	1.36	1.32							2.68	OK	0	0
1/31	0	09:15	1.28	1.32							2.60	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV01											
1/01	0	14:45	3.80							3.80	OK	0	0	
1/02	0	22:00	3.72							3.72	OK	0	0	
1/03	0	23:00	3.61							3.61	OK	0	0	
1/04	0	11:30	3.52							3.52	OK	0	0	
1/05	0	15:30	3.42							3.42	OK	0	0	
1/06	0.29	14:30	3.51							3.51	OK	0	0	
1/07	0.39	14:45	4.80							4.80	Exceedance	5:15	0.04811	
1/08	0	00:00	3.83							3.83	OK	0	0	
1/09	2.13	23:30	7.70							7.70	Exceedance	6:00	0.49573	
1/10	0.1	05:30	7.68							7.68	Exceedance	24:00	1.77207	
1/11	0	00:15	5.10							5.10	Exceedance	15:45	0.11832	
1/12	0.14	00:00	4.29							4.29	OK	0	0	
1/13	0.74	11:30	5.58							5.58	Exceedance	21:00	0.52222	
1/14	0	13:15	4.56							4.56	Exceedance	2:45	0.00803	
1/15	0	14:30	4.07							4.07	OK	0	0	
1/16	0	16:30	4.09							4.09	OK	0	0	
1/17	0	21:15	4.05							4.05	OK	0	0	
1/18	0	23:15	3.71							3.71	OK	0	0	
1/19	0	11:30	3.75							3.75	OK	0	0	
1/20	0.03	13:45	3.74							3.74	OK	0	0	
1/21	0.08	14:15	3.59							3.59	OK	0	0	
1/22	0.04	21:30	3.99							3.99	OK	0	0	
1/23	0.02	21:45	3.43							3.43	OK	0	0	
1/24	0.05	22:15	3.67							3.67	OK	0	0	
1/25	0.21	10:15	3.92							3.92	OK	0	0	
1/26	0.24	11:30	4.04							4.04	OK	0	0	
1/27	0	13:45	3.89							3.89	OK	0	0	
1/28	0.91	12:30	5.45							5.45	Exceedance	14:30	0.43166	
1/29	0.04	00:15	4.68							4.68	Exceedance	1:45	0.01256	
1/30	0	21:45	4.04							4.04	OK	0	0	
1/31	0	21:30	3.94							3.94	OK	0	0	

TOTAL	5.41											Total	91:00	3.4087
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AVERAGE PEAK FLOW	4.30	0.00	0.00	0.00	0.00	0.00	0.00
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FLOW RIGHTS UTILIZATION REPORT

Month/Year

FLOW RIGHTS AVAILABLE (mgd):

MEMBER

No. OF DAYS WITH EXCEEDANCE:

FORMULA

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV04	RV05	RV06	RV09	RV18 (-45 min)	RV19 (-30 min)						
1/01	0	14:15	0.31	0.37	0.69	6.54	1.05	1.35			5.50	OK	0	0
1/02	0	20:30	0.31	0.36	0.70	6.21	0.90	1.33			5.36	OK	0	0
1/03	0	20:15	0.31	0.34	0.70	5.62	0.94	1.07			4.97	OK	0	0
1/04	0	20:30	0.30	0.36	0.59	5.62	0.87	1.13			4.87	OK	0	0
1/05	0	10:30	0.26	0.29	0.58	5.35	0.95	1.04			4.49	OK	0	0
1/06	0.29	23:30	0.29	0.32	0.69	5.87	0.89	1.04			5.24	OK	0	0
1/07	0.39	14:15	0.43	0.48	1.02	8.52	1.40	1.29			7.76	OK	0	0
1/08	0	21:15	0.42	0.44	0.72	6.20	1.04	1.04			5.69	OK	0	0
1/09	2.13	23:45	1.19	1.64	2.91	12.42	3.48	1.98			12.70	Exceedance	3:45	0.14249
1/10	0.1	02:30	1.00	1.36	2.83	13.09	3.06	1.50			13.72	Exceedance	10:15	0.50449
1/11	0	00:00	0.43	0.54	1.02	8.08	1.36	1.35			7.36	OK	0	0
1/12	0.14	09:45	0.37	0.48	0.87	6.88	1.25	1.07			6.29	OK	0	0
1/13	0.74	11:15	0.63	0.69	1.32	9.59	1.50	1.38			9.35	OK	0	0
1/14	0	13:30	0.53	0.48	0.99	7.75	1.36	1.35			7.04	OK	0	0
1/15	0	11:00	0.40	0.49	0.86	6.76	1.20	1.12			6.19	OK	0	0
1/16	0	21:00	0.55	0.48	0.86	7.18	1.31	1.34			6.42	OK	0	0
1/17	0	20:45	0.44	0.47	0.76	6.48	1.17	1.34			5.64	OK	0	0
1/18	0	22:15	0.47	0.32	0.76	5.93	1.22	1.06			5.19	OK	0	0
1/19	0	09:45	0.45	0.40	0.76	5.91	1.16	1.31			5.05	OK	0	0
1/20	0.03	12:30	0.41	0.42	0.90	6.01	1.22	1.33			5.20	OK	0	0
1/21	0.08	14:00	0.48	0.35	0.80	5.53	1.17	1.01			4.98	OK	0	0
1/22	0.04	21:15	0.36	0.36	0.69	5.52	1.12	1.03			4.77	OK	0	0
1/23	0.02	21:15	0.29	0.34	0.73	5.34	1.10	1.00			4.60	OK	0	0
1/24	0.05	21:30	0.28	0.33	0.75	5.74	1.17	1.03			4.88	OK	0	0
1/25	0.21	09:30	0.35	0.43	0.87	6.52	1.48	1.02			5.68	OK	0	0
1/26	0.24	09:00	0.40	0.46	0.91	6.67	1.27	1.31			5.87	OK	0	0
1/27	0	12:45	0.35	0.42	0.83	6.15	1.26	1.01			5.47	OK	0	0
1/28	0.91	12:30	0.56	0.65	1.30	9.75	1.73	1.32			9.20	OK	0	0
1/29	0.04	09:30	0.48	0.51	0.95	7.71	1.47	1.06			7.12	OK	0	0
1/30	0	20:45	0.40	0.44	0.86	6.53	1.18	1.05			5.99	OK	0	0
1/31	0	20:45	0.37	0.46	0.80	6.18	1.10	1.04			5.67	OK	0	0

TOTAL

Total

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year

MEMBER

FORMULA

FLOW RIGHTS AVAILABLE (mgd):

No. OF DAYS WITH EXCEEDANCE:

MAX. FLOW: AVG. FLOW

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Peak Flow Rights Utilization (mgd)	STATUS	Duration of Exceedance (Hr:Min)	Volume of Exceedance (Million Gallons)
			OUTFLOW METERS				INFLOW METERS							
			RV15											
1/01	0	14:00	1.78							1.78	OK	0	0	
1/02	0	19:45	1.32							1.32	OK	0	0	
1/03	0	21:15	1.25							1.25	OK	0	0	
1/04	0	21:45	1.18							1.18	OK	0	0	
1/05	0	14:00	1.38							1.38	OK	0	0	
1/06	0.29	23:45	1.93							1.93	OK	0	0	
1/07	0.39	13:30	2.39							2.39	OK	0	0	
1/08	0	09:45	1.58							1.58	OK	0	0	
1/09	2.13	22:00	6.03							6.03	Exceedance	4:00	0.3045	
1/10	0.1	03:45	6.02							6.02	Exceedance	18:00	1.13507	
1/11	0	00:00	2.51							2.51	OK	0	0	
1/12	0.14	09:45	2.06							2.06	OK	0	0	
1/13	0.74	05:30	4.68							4.68	Exceedance	10:45	0.2598	
1/14	0	12:45	2.31							2.31	OK	0	0	
1/15	0	12:30	1.95							1.95	OK	0	0	
1/16	0	19:30	1.88							1.88	OK	0	0	
1/17	0	09:45	1.55							1.55	OK	0	0	
1/18	0	09:15	1.36							1.36	OK	0	0	
1/19	0	20:15	1.23							1.23	OK	0	0	
1/20	0.03	13:00	1.38							1.38	OK	0	0	
1/21	0.08	12:45	1.30							1.30	OK	0	0	
1/22	0.04	09:00	1.08							1.08	OK	0	0	
1/23	0.02	21:15	1.06							1.06	OK	0	0	
1/24	0.05	21:45	1.11							1.11	OK	0	0	
1/25	0.21	11:45	1.68							1.68	OK	0	0	
1/26	0.24	09:30	1.99							1.99	OK	0	0	
1/27	0	12:15	1.78							1.78	OK	0	0	
1/28	0.91	11:15	4.81							4.81	Exceedance	9:30	0.24889	
1/29	0.04	00:00	2.66							2.66	OK	0	0	
1/30	0	09:15	2.01							2.01	OK	0	0	
1/31	0	09:15	1.75							1.75	OK	0	0	

TOTAL

Total

AVERAGE PEAK FLOW



2024 FIVE YEAR MOVING AVERAGE STATUSREPORT

January, 2024

MEMBER	Fractional Share of the Contribution ("Percent Share")						5 Year Moving Average	
	MEASURING YEAR (Oct-Sep)						Current Average (2)	Previous Average (3)
	2019	2020	2021	2022	2023	2024 (1)		
Clark	8.33%	8.02%	7.49%	7.88%	5.65%	5.49%	6.91%	7.48%
Cranford	9.95%	11.08%	11.79%	10.19%	10.24%	13.70%	11.40%	10.65%
Garwood	2.33%	2.22%	2.23%	3.19%	3.71%	2.79%	2.83%	2.74%
Kenilworth	5.30%	3.62%	3.59%	3.62%	3.77%	3.72%	3.67%	3.98%
Mountainside	2.90%	2.44%	2.35%	2.71%	2.66%	2.43%	2.52%	2.61%
Rahway	18.01%	22.27%	21.64%	17.77%	18.31%	18.85%	19.77%	19.60%
Roselle Park	1.61%	2.08%	1.73%	0.87%	1.24%	1.05%	1.39%	1.51%
Scotch Plains	4.56%	4.23%	3.86%	4.01%	4.40%	5.25%	4.35%	4.21%
Springfield	9.28%	9.25%	9.20%	10.34%	10.49%	10.17%	9.89%	9.71%
Westfield	15.64%	14.32%	14.46%	15.74%	14.96%	14.87%	14.87%	15.03%
Woodbridge	22.09%	20.47%	21.66%	23.68%	24.56%	21.69%	22.41%	22.49%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.01%	100.01%

Notes:

- (1) Figures computed based on Flow, BOD and TSS data received as of reporting month.
- (2) Five year moving average consisting of 2020, 2021, 2022, 2023, and month to date for 2024
- (3) Five year moving average consisting of 2019, 2020, 2021, 2022, and 2023



2024 Town Annual Percent Share

January, 2024

Member	Average Daily Flow (MGD)		Biochemical Oxygen Demand (Tons/Day)		Total Suspended Solids (Tons/Day)		Annual Percent Share	
	2023	2024	2023	2024	2023	2024	2023	2024
Clark	1.12	1.27	1.06	1.16	1.00	1.08	5.65%	5.49%
Cranford	2.68	4.30	1.72	2.23	2.16	2.72	10.24%	13.70%
Garwood	0.93	0.86	0.60	0.46	0.75	0.56	3.71%	2.79%
Kenilworth	0.94	1.12	0.60	0.62	0.76	0.75	3.77%	3.72%
Mountainside	0.70	0.77	0.45	0.39	0.56	0.48	2.66%	2.43%
Rahway	4.44	5.53	2.98	3.20	3.70	3.84	18.31%	18.85%
Roselle Park	0.31	0.31	0.21	0.18	0.26	0.21	1.24%	1.05%
Scotch Plains	1.15	1.66	0.74	0.85	0.93	1.04	4.40%	5.25%
Springfield	2.65	3.11	1.69	1.68	2.13	2.04	10.49%	10.17%
Westfield	3.54	4.27	2.26	2.56	2.85	3.05	14.96%	14.87%
Woodbridge (1)(2)	6.18	6.69	4.28	3.54	5.38	4.37	24.56%	21.69%
Totals:	24.63	29.89	16.59	16.87	20.48	20.14	100.00%	100.00%

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 2021 Agreement
- (2) Woodbridge BOD and TSS Adjustment includes a 833 lbs/day credit, per section 11.5 of the 2021 Agreement



2024 Intermunicipal Adjustments Report

January, 2024

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	1.17	0.0958	1.27	1.08	0.0799	1.16	1.00	0.0799	1.08
Cranford	242	1,092	-850	4.47	-0.1700	4.30	2.37	-0.1418	2.23	2.86	-0.1418	2.72
Garwood	54	110	-56	0.87	-0.0112	0.86	0.47	-0.0093	0.46	0.57	-0.0093	0.56
Kenilworth	62	38	24	1.12	0.0048	1.12	0.62	0.0040	0.62	0.75	0.0040	0.75
Mountainside	106	339	-233	0.82	-0.0466	0.77	0.43	-0.0389	0.39	0.52	-0.0389	0.48
Rahway	13	15	-2	5.53	-0.0004	5.53	3.20	-0.0003	3.20	3.84	-0.0003	3.84
Roselle Park	38	117	-79	0.32	-0.0158	0.31	0.19	-0.0132	0.18	0.22	-0.0132	0.21
Scotch Plains	66	413	-347	1.73	-0.0694	1.66	0.91	-0.0579	0.85	1.10	-0.0579	1.04
Springfield	0	187	-187	3.15	-0.0374	3.11	1.71	-0.0312	1.68	2.07	-0.0312	2.04
Westfield	1,425	175	1,250	4.02	0.2500	4.27	2.35	0.2085	2.56	2.84	0.2085	3.05
Woodbridge (1)(2)	10	9	1	7.19	-0.4998	6.69	3.96	-0.4163	3.54	4.79	-0.4163	4.37
Totals:	2,495	2,495	0	30.39	-0.5000	29.89	17.29	-0.4165	16.87	20.56	-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 2021 Agreement
- (2) Woodbridge BOD and TSS Adjustment includes a 833 lbs/day credit, per section 11.5 of the 2021 Agreement



Member BOD and TSS Loading Contribution

January, 2024

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	0.38	0.16	1.17	0.0958	1.27	0.70	0.84	1.08	1.00
Cranford	0.00	0.00	4.47	-0.1700	4.30	2.37	2.86	2.37	2.86
Garwood	0.00	0.00	0.87	-0.0112	0.86	0.47	0.57	0.47	0.57
Kenilworth	0.00	0.00	1.12	0.0048	1.12	0.62	0.75	0.62	0.75
Mountainside	0.00	0.00	0.82	-0.0466	0.77	0.43	0.52	0.43	0.52
Rahway	0.15	0.16	5.53	-0.0004	5.53	3.05	3.68	3.20	3.84
Roselle Park	0.02	0.01	0.32	-0.0158	0.31	0.17	0.21	0.19	0.22
Scotch Plains	0.00	0.00	1.73	-0.0694	1.66	0.91	1.10	0.91	1.10
Springfield	0.00	0.00	3.15	-0.0374	3.11	1.71	2.07	1.71	2.07
Westfield	0.00	0.00	4.02	0.2500	4.27	2.35	2.84	2.35	2.84
Woodbridge	0.00	0.00	7.19	0.0002	7.19	3.96	4.79	3.96	4.79
Totals:	0.55	0.33	30.39	0.00	30.39	16.73	20.23	17.29	20.56

Notes:

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



2024 Plant Influent Loading January, 2024

2023			2024										Average T/D
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		

Plant Influent Flow and Sample Data

Avg. Daily Flow (MGD) (1)	24.83	23.03	36.6	36.86										30.33
Avg. BOD (mg/L) (2)	147	164	127	122										140
Avg. TSS (mg/L) (2)	178	199	146	146										167

Total Influent Loading (a)(b)

BOD (Tons/Day)	15.22	15.75	19.38	18.75										17.28
TSS (Tons/Day)	18.43	19.11	22.28	22.44										20.57

Total Industrial Contribution (3)

IPP BOD (Tons/Day)	0.55
IPP TSS (Tons/Day)	0.34

Total Domestic Influent Loading

BOD (Tons/Day)	16.73
TSS (Tons/Day)	20.23

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



2024 Average Daily Flow Report

January, 2024

Meter #	2023			2024									Average To Date
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
RV01	2.78	2.76	3.47	3.57									3.14
RV02	3.67	3.63	4.76	5.17									4.31
RV03	1.70	1.60	2.48	2.47									2.06
RV04	0.27	0.24	0.30	0.32									0.28
RV05	0.24	0.24	0.35	0.36									0.30
RV06	0.58	0.44	0.70	0.75									0.61
RV07	0.67	0.64	0.85	0.94									0.77
RV09	3.32	3.34	5.66	5.82									4.54
RV10	9.16	8.99	13.09	13.13									11.09
RV11	12.82	12.66	19.51	20.22									16.30
RV12	5.20	4.92	7.04	6.73									5.97
RV13	0.70	0.65	1.01	0.98									0.84
RV14	19.59	17.85	28.53	29.20									23.79
RV15	0.85	0.79	1.65	1.54									1.21
RV16A	24.99	23.12	36.80	37.28									30.55
RV17	0.42	0.43	0.58	0.56									0.50
RV18	0.91	0.83	0.97	1.05									0.94
RV19	0.34	0.33	1.24	1.21									0.78
RV20	0.70	0.72	0.89	0.97									0.82
RV27	0.00	0.19	2.47	1.77									1.11
RV28	0.00	0.05	0.82	0.82									0.42
RV29	1.22	1.15	1.58	1.64									1.40
RV30	0.25	0.24	0.33	0.38									0.30
RV31	0.04	0.27	1.03	0.93									0.57
RV32	5.34	4.73	7.39	6.79									6.06



2024 Average Industrial TSS Loading Report

January, 2024

Town	SIU Name	Average Daily TSS Loading (Tons/Day)												Average T/D
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Clark	Kerry 1	0.002	0.002	0.001										0.0017
	Kerry 2	0.006	0.004	0.004										0.0047
	Kerry 3	0.006	0.028	0.004										0.0127
	Kerry 4	0.165	0.180	0.074										0.1397
Clark Total:													0.159	
Kenilworth	B&M Finishers	0.000	0.000	0.000										0.0000
	Kenilworth Anodizing	0.000	0.000	0.000										0.0000
Kenilworth Total:													0.000	
Mountainside	American Aluminum	0.000	0.000	0.000										0.0000
Mountainside Total:													0.000	
Rahway	Clean Haven													0.0000
	Guest Packaging 02	0.003	0.010	0.002										0.0050
	Guest Packaging 03	0.002	0.001	0.001										0.0013
	Merck 007	0.109	0.007	0.011										0.0423
	Merck 012	0.122	0.079	0.039										0.0800
	Quala Systems	0.014	0.001											0.0075
	Suez Water Rahway	0.001	0.078	0.003										0.0273
Rahway Total:													0.164	
Roselle Park	Crossfield Products			0.002										0.0020
	Merck Kenilworth	0.009	0.014	0.012										0.0117
Roselle Park Total:													0.014	
Springfield	Valcor Engineering	0.000	0.001	0.001										0.0007
Springfield Total:													0.001	
Woodbridge	BASF 1	0.002	0.001	0.001										0.0013
	BASF 2	0.001	0.002	0.002										0.0017
	Gentek Building Products		0.000	0.000										0.0000
Woodbridge Total:													0.003	

Note: Municipalities without Significant Industrial Users ("SIU") are excluded from this report.



2024 Average Industrial BOD Loading Report

January, 2024

Town	SIU Name	Average Daily BOD Loading (Tons/Day)												Average T/D
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Clark	Kerry 1	0.000	0.001	0.001										0.0007
	Kerry 2	0.003	0.024	0.017										0.0147
	Kerry 3	0.010	0.078	0.014										0.0340
	Kerry 4	0.356	0.531	0.099										0.3287
Clark Total:													0.378	
Kenilworth	B&M Finishers	0.000	0.000	0.000										0.0000
	Kenilworth Anodizing	0.000	0.000	0.000										0.0000
Kenilworth Total:													0.000	
Mountainside	American Aluminum	0.000	0.000	0.000										0.0000
Mountainside Total:													0.000	
Rahway	Clean Haven													0.0000
	Guest Packaging 02	0.004	0.005	0.005										0.0047
	Guest Packaging 03	0.027	0.003	0.001										0.0103
	Merck 007	0.033	0.003	0.004										0.0133
	Merck 012	0.088	0.051	0.013										0.0507
	Quala Systems	0.093	0.034											0.0635
	Suez Water Rahway	0.005	0.002	0.001										0.0027
Rahway Total:													0.145	
Roselle Park	Crossfield Products			0.001										0.0010
	Merck Kenilworth	0.019	0.017	0.019										0.0183
Roselle Park Total:													0.019	
Springfield	Valcor Engineering	0.000	0.000	0.001										0.0003
Springfield Total:													0.000	
Woodbridge	BASF 1	0.001	0.001	0.001										0.0010
	BASF 2	0.001	0.001	0.001										0.0010
	Gentek Building Products		0.000	0.000										0.0000
Woodbridge Total:													0.002	

Note: Municipalities without Significant Industrial Users ("SIU") are excluded from this report.