Wednesday, October 11, 2023

Re: Flow Rights Utilization Report - September 2023 - FINAL

Attached for your use please find Flow Rights Utilization Report for September 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 2023 measuring year.

Member	Flow Rights (MGD)	Current Month		Measuring Year to Date		No. of Days Above Limit (2)		Total Excess Usage for 2023 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 2023 Measuring Year		
Clark	4.95	1.17	6.98	1.02	8.73	~~3~~ 0	~~11~~ 6(3)(5)(6)	~~1.76439~~	1.59804
Cranford	9.19	4.02	12.58	2.85	21.96	~~4~~ 1	~~10~~ 3(3)(4)(5)(6)	~~7.98399~~	0.58658
Garwood	3.69	0.86	3.77	0.94	8.89	~~1~~ 0	~~6~~ 1(3)(4)(5)(6)	~~1.04117~~	0.00662
Kenilworth	2.75	1.03	2.25	0.93	6.44	0	~~3~~ 0(3)(4)(5)	~~0.13603~~	0
Mountainside	3.15	0.71	1.82	0.75	2.46	0	0 0	0	0
Rahway	17.26	6.01	18.73	4.44	33.81	1	~~5~~ 2(3)(4)(5)	~~3.39995~~	0.01559
Roselle Park	1.94	0.40	1.40	0.32	3.04	0	~~1~~ 0(5)	~~0.01443~~	0
Scotch Plains	4.73	1.26	3.38	1.22	4.72	0	0 0	0	0
Springfield	4.39	2.79	5.46	2.68	7.93	~~4~~ 1	~~18~~ 11(3)(4)(5)(6)	~~8.4298~~	2.56172
Westfield	10.94	3.59	10.68	3.29	16.80	0	~~5~~ 1(3)(4)(5)	~~3.39632~~	0.10598
Woodbridge	3.49	1.41	6.54	0.92	6.54	~~4~~ 1	~~14~~ 8 (3)(4)(6)	~~10.27562~~	2.67653

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.
(3) Per Motion #2023-01 passed on May 18, 2023, the Board has waived Flow Exceedances for 4/29/2023 and 4/30/2023.
(4) Per Motion #2023-02 passed on June 15, 2023, the Board has waived Flow Exceedances for 5/1/2023.
(5) Per Motion #2023-03 passed on August 17, 2023, the Board has waived Flow Exceedances for 7/4/2023.
(6) Per Motion #2023-04 passed on October 19, 2023, the Board has waived Flow Exceedances for 9/24/2023, 9/25/2023, and 9/29/2023.

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Clark
FORMULA: METER NO. RV11 + RV17 - RV09 - RV10

FLOW RIGHTS AVAILABLE (mgd): 4.95
No. OF DAYS WITH EXCEEDANCE: 3
MAX. FLOW: 6.98 AVG. FLOW 2.69

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)						
9/01	0	13:15	13.51	0.41			3.48	9.17			1.27	OK	0	0
9/02	0	12:45	13.80	0.48			3.46	9.71			1.10	OK	0	0
9/03	0	23:30	12.35	0.39			3.09	8.24			1.41	OK	0	0
9/04	0	14:15	14.39	0.49			3.69	9.62			1.56	OK	0	0
9/05	0	22:30	15.45	0.47			3.97	10.08			1.87	OK	0	0
9/06	0	22:45	16.54	0.43			4.44	10.49			2.03	OK	0	0
9/07	0	21:15	14.47	0.46			3.59	9.66			1.68	OK	0	0
9/08	0.6	13:15	13.89	0.38			2.99	9.89			1.39	OK	0	0
9/09	0.03	15:00	15.25	0.44			3.08	9.74			2.86	OK	0	0
9/10	1.25	13:00	21.12	0.80			3.68	14.33			3.91	OK	0	0
9/11	1.14	20:45	28.13	0.85			5.24	20.00			3.73	OK	0	0
9/12	0	10:45	16.23	0.51			3.35	11.29			2.11	OK	0	0
9/13	0.2	10:15	15.92	0.48			3.36	10.70			2.35	OK	0	0
9/14	0	10:45	14.37	0.41			3.39	9.50			1.89	OK	0	0
9/15	0	20:00	12.51	0.39			3.04	8.01			1.85	OK	0	0
9/16	0	13:45	16.18	0.48			3.55	11.39			1.72	OK	0	0
9/17	0.2	13:15	15.97	0.48			3.67	11.10			1.68	OK	0	0
9/18	1.44	20:30	25.33	0.89			5.97	16.31			3.94	OK	0	0
9/19	0	00:30	21.19	0.66			4.62	14.30			2.93	OK	0	0
9/20	0	00:15	15.97	0.48			3.75	10.65			2.05	OK	0	0
9/21	0	23:15	15.07	0.45			3.64	9.80			2.08	OK	0	0
9/22	0	12:00	14.24	0.42			3.35	9.33			1.99	OK	0	0
9/23	0.87	17:15	23.14	0.69			5.93	13.67			4.23	OK	0	0
9/24	0.98	17:30	27.31	0.94			6.68	16.52			5.05	Exceedance	0:15	0.00104
9/25	0.56	08:30	30.37	1.05			7.68	18.26			5.47	Exceedance	0:15	0.00543
9/26	0.1	00:00	25.73	0.71			6.68	16.55			3.21	OK	0	0
9/27	0	00:00	21.27	0.60			5.11	14.43			2.34	OK	0	0
9/28	0	12:00	17.27	0.55			4.37	11.48			1.97	OK	0	0
9/29	1.47	12:30	39.85	1.24			10.03	24.08			6.98	Exceedance	3:45	0.1381
9/30	0.04	15:45	24.33	0.71			6.07	14.96			4.01	OK	0	0
TOTAL	8.88												Total 4:15	0.14457
	AVERAGE PEAK FLOW		19.04	0.59	0.00	0.00	4.50	12.44	0.00	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Cranford
FORMULA: METER NO. RV10 + RV13 + RV30 - RV02 - RV03 - RV29

FLOW RIGHTS AVAILABLE (mgd): 9.19
No. OF DAYS WITH EXCEEDANCE: 4
MAX. FLOW: 12.58 AVG. FLOW 6.19

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)					
9/01	0	09:15	7.62	0.56	0.23		2.37	1.30	0.96		3.79	OK	0	0
9/02	0	12:30	9.63	0.66	0.31		3.69	1.69	1.33		3.88	OK	0	0
9/03	0	12:45	10.08	0.65	0.26		3.57	1.71	1.76		3.95	OK	0	0
9/04	0	13:15	9.94	0.71	0.31		3.84	1.74	1.10		4.28	OK	0	0
9/05	0	21:15	10.34	0.66	0.26		3.81	1.73	1.70		4.02	OK	0	0
9/06	0	21:45	10.90	0.65	0.26		4.03	1.84	1.79		4.15	OK	0	0
9/07	0	21:30	10.55	0.62	0.27		3.86	1.79	1.79		4.01	OK	0	0
9/08	0.6	16:30	9.81	0.86	0.21		3.51	1.52	0.89		4.96	OK	0	0
9/09	0.03	15:00	10.63	0.64	0.26		4.00	1.68	1.81		4.04	OK	0	0
9/10	1.25	11:45	13.79	1.03	0.27		3.28	2.05	1.20		8.56	OK	0	0
9/11	1.14	19:45	20.27	1.34	0.46		4.57	3.65	1.98		11.88	Exceedance	3:00	0.12853
9/12	0	00:00	14.28	0.84	0.33		4.85	2.56	1.64		6.40	OK	0	0
9/13	0.2	21:15	11.28	0.83	0.27		3.76	1.97	1.20		5.45	OK	0	0
9/14	0	09:00	9.61	0.78	0.27		2.64	1.80	1.32		4.89	OK	0	0
9/15	0	10:30	9.88	0.74	0.28		3.64	1.84	1.04		4.38	OK	0	0
9/16	0	11:45	10.56	0.75	0.30		3.62	1.95	1.24		4.81	OK	0	0
9/17	0.2	21:30	11.98	0.70	0.28		3.83	2.55	1.98		4.60	OK	0	0
9/18	1.44	10:45	18.12	1.12	0.37		5.17	4.06	1.82		8.56	OK	0	0
9/19	0	00:15	14.45	0.90	0.29		5.10	2.61	2.25		5.69	OK	0	0
9/20	0	21:00	11.77	0.84	0.26		4.00	2.09	1.99		4.80	OK	0	0
9/21	0	21:30	11.53	0.80	0.25		3.92	2.03	1.19		5.44	OK	0	0
9/22	0	21:15	10.53	0.69	0.27		4.35	1.94	1.15		4.05	OK	0	0
9/23	0.87	18:30	16.52	1.02	0.29		5.52	3.11	2.29		6.89	OK	0	0
9/24	0.98	21:45	21.00	1.24	0.39		6.18	4.67	1.88		9.90	Exceedance	0:30	0.01338
9/25	0.56	09:15	21.55	1.48	0.38		5.40	4.57	2.07		11.36	Exceedance	5:30	0.14458
9/26	0.1	00:00	17.65	1.18	0.37		6.04	3.49	1.73		7.93	OK	0	0
9/27	0	10:30	13.83	1.05	0.30		4.80	2.73	1.52		6.13	OK	0	0
9/28	0	22:00	12.80	0.94	0.27		4.35	2.56	1.29		5.80	OK	0	0
9/29	1.47	10:45	24.69	1.93	0.41		6.12	5.76	2.57		12.58	Exceedance	10:45	0.69914
9/30	0.04	11:45	17.53	1.24	0.34		4.80	3.74	2.17		8.40	OK	0	0
TOTAL	8.88												Total 19:45	0.98563
	AVERAGE PEAK FLOW		13.44	0.91	0.30	0.00	4.29	2.56	1.62	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Garwood
FORMULA: METER NO. RV03 - RV04 - RV05 - RV06

FLOW RIGHTS AVAILABLE (mgd): 3.69
No. OF DAYS WITH EXCEEDANCE: 1
MAX. FLOW: 3.77 AVG. FLOW 1.34

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)					
9/01	0	09:00	1.64				0.25	0.19	0.41		0.78	OK	0	0
9/02	0	11:00	1.68				0.26	0.21	0.44		0.77	OK	0	0
9/03	0	10:45	1.64				0.28	0.19	0.47		0.69	OK	0	0
9/04	0	10:30	1.61				0.25	0.20	0.37		0.79	OK	0	0
9/05	0	19:30	1.66				0.26	0.20	0.43		0.77	OK	0	0
9/06	0	08:00	1.53				0.17	0.24	0.33		0.79	OK	0	0
9/07	0	07:45	1.47				0.28	0.13	0.31		0.76	OK	0	0
9/08	0.6	08:15	1.63				0.24	0.20	0.36		0.83	OK	0	0
9/09	0.03	09:15	1.61				0.18	0.15	0.33		0.95	OK	0	0
9/10	1.25	11:15	2.61				0.40	0.31	0.46		1.43	OK	0	0
9/11	1.14	19:15	4.48				0.42	0.41	0.83		2.82	OK	0	0
9/12	0	08:15	2.37				0.26	0.32	0.59		1.20	OK	0	0
9/13	0.2	08:30	2.19				0.35	0.30	0.59		0.96	OK	0	0
9/14	0	09:00	2.24				0.39	0.30	0.50		1.06	OK	0	0
9/15	0	08:00	1.64				0.24	0.18	0.36		0.85	OK	0	0
9/16	0	09:30	1.78				0.27	0.21	0.37		0.93	OK	0	0
9/17	0.2	21:15	2.79				0.46	0.37	0.56		1.40	OK	0	0
9/18	1.44	08:15	3.91				0.46	0.50	0.92		2.02	OK	0	0
9/19	0	08:00	2.67				0.36	0.27	0.62		1.42	OK	0	0
9/20	0	07:30	1.88				0.22	0.15	0.45		1.07	OK	0	0
9/21	0	07:45	2.03				0.32	0.19	0.45		1.07	OK	0	0
9/22	0	08:00	1.85				0.23	0.28	0.38		0.95	OK	0	0
9/23	0.87	16:15	3.37				0.40	0.44	0.93		1.60	OK	0	0
9/24	0.98	09:15	4.03				0.56	0.38	0.93		2.17	OK	0	0
9/25	0.56	04:30	4.68				0.47	0.49	1.20		2.52	OK	0	0
9/26	0.1	08:00	3.31				0.42	0.43	0.85		1.61	OK	0	0
9/27	0	07:30	2.51				0.29	0.31	0.54		1.37	OK	0	0
9/28	0	11:15	2.49				0.35	0.31	0.68		1.15	OK	0	0
9/29	1.47	08:45	6.16				0.69	0.66	1.04		3.77	Exceedance	0:15	0.00082
9/30	0.04	09:30	3.57				0.52	0.41	0.91		1.73	OK	0	0
TOTAL	8.88												Total 0:15	0.00082
	AVERAGE PEAK FLOW		2.57		0.00	0.00	0.34	0.30	0.59	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Kenilworth
FORMULA: METER NO. RV02 + RV07 - RV01 - RV20

FLOW RIGHTS AVAILABLE (mgd): 2.75
No. OF DAYS WITH EXCEEDANCE: 0
MAX. FLOW: 2.25 AVG. FLOW 1.48

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						
9/01	0	16:00	3.55	0.69			2.42	0.71			1.11	OK	0	0
9/02	0	16:15	3.63	0.61			2.50	0.66			1.07	OK	0	0
9/03	0	10:30	3.35	0.63			2.35	0.60			1.03	OK	0	0
9/04	0	13:15	4.09	0.67			2.85	0.79			1.13	OK	0	0
9/05	0	21:00	4.02	0.60			2.72	0.82			1.09	OK	0	0
9/06	0	18:15	3.63	0.59			2.43	0.63			1.17	OK	0	0
9/07	0	07:15	2.49	0.64			1.72	0.32			1.10	OK	0	0
9/08	0.6	16:00	3.69	0.77			2.56	0.71			1.19	OK	0	0
9/09	0.03	19:30	3.68	0.51			2.46	0.75			0.98	OK	0	0
9/10	1.25	11:00	4.29	1.30			2.73	0.76			2.11	OK	0	0
9/11	1.14	18:45	4.87	1.31			3.21	1.04			1.94	OK	0	0
9/12	0	07:45	3.19	0.83			2.23	0.44			1.34	OK	0	0
9/13	0.2	07:30	2.96	0.87			1.99	0.42			1.42	OK	0	0
9/14	0	21:15	4.18	0.75			2.90	0.82			1.21	OK	0	0
9/15	0	07:30	2.60	0.74			1.76	0.36			1.21	OK	0	0
9/16	0	13:45	4.35	0.77			3.06	0.87			1.19	OK	0	0
9/17	0.2	19:30	3.92	0.61			2.54	0.72			1.27	OK	0	0
9/18	1.44	18:45	5.18	1.20			3.64	0.97			1.77	OK	0	0
9/19	0	07:30	3.24	0.97			2.27	0.47			1.46	OK	0	0
9/20	0	07:45	3.13	0.81			2.26	0.44			1.24	OK	0	0
9/21	0	07:45	2.94	0.74			2.10	0.39			1.19	OK	0	0
9/22	0	16:45	4.25	0.58			2.71	0.67			1.45	OK	0	0
9/23	0.87	16:30	5.84	0.84			3.86	1.17			1.65	OK	0	0
9/24	0.98	08:30	4.28	0.96			2.59	0.58			2.06	OK	0	0
9/25	0.56	08:00	5.62	1.31			3.75	0.93			2.25	OK	0	0
9/26	0.1	19:45	5.25	0.99			3.51	0.82			1.91	OK	0	0
9/27	0	07:45	4.35	0.96			2.63	0.56			2.12	OK	0	0
9/28	0	07:30	3.86	0.92			2.41	0.43			1.94	OK	0	0
9/29	1.47	08:30	5.30	1.43			3.61	1.03			2.09	OK	0	0
9/30	0.04	14:00	5.63	1.00			3.86	1.11			1.66	OK	0	0
TOTAL	8.88												Total 0	0
	AVERAGE PEAK FLOW		4.05	0.85	0.00	0.00	2.72	0.70	0.00	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Mountainside
FORMULA: METER NO. RV20

FLOW RIGHTS AVAILABLE (mgd): 3.15
No. OF DAYS WITH EXCEEDANCE: 0
MAX. FLOW: 1.82 AVG. FLOW 1.05

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											
9/01	0	14:15	0.92								0.92	OK	0	0
9/02	0	18:45	0.78								0.78	OK	0	0
9/03	0	21:15	0.96								0.96	OK	0	0
9/04	0	22:15	0.89								0.89	OK	0	0
9/05	0	22:30	0.92								0.92	OK	0	0
9/06	0	22:00	0.95								0.95	OK	0	0
9/07	0	12:15	0.99								0.99	OK	0	0
9/08	0.6	09:30	0.92								0.92	OK	0	0
9/09	0.03	12:15	0.85								0.85	OK	0	0
9/10	1.25	12:15	1.26								1.26	OK	0	0
9/11	1.14	19:45	1.39								1.39	OK	0	0
9/12	0	09:45	0.97								0.97	OK	0	0
9/13	0.2	22:15	0.93								0.93	OK	0	0
9/14	0	21:45	0.93								0.93	OK	0	0
9/15	0	09:30	0.90								0.90	OK	0	0
9/16	0	12:00	0.88								0.88	OK	0	0
9/17	0.2	22:00	0.97								0.97	OK	0	0
9/18	1.44	10:00	1.33								1.33	OK	0	0
9/19	0	12:00	1.04								1.04	OK	0	0
9/20	0	09:30	0.94								0.94	OK	0	0
9/21	0	09:45	0.88								0.88	OK	0	0
9/22	0	10:15	0.88								0.88	OK	0	0
9/23	0.87	17:45	1.23								1.23	OK	0	0
9/24	0.98	21:30	1.36								1.36	OK	0	0
9/25	0.56	11:30	1.52								1.52	OK	0	0
9/26	0.1	10:00	1.10								1.10	OK	0	0
9/27	0	09:45	1.05								1.05	OK	0	0
9/28	0	09:45	0.97								0.97	OK	0	0
9/29	1.47	10:15	1.82								1.82	OK	0	0
9/30	0.04	13:00	1.11								1.11	OK	0	0
TOTAL	8.88												Total 0	0
	AVERAGE PEAK FLOW		1.05		0.00	0.00	0.00	0.00	0.00	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Rahway
FORMULA: METER NO. RV14 + RV31 - RV11 - RV13 - RV15 - RV17

FLOW RIGHTS AVAILABLE (mgd): 17.26
No. OF DAYS WITH EXCEEDANCE: 1
MAX. FLOW: 18.73 AVG. FLOW 9.40

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)				
9/01	0	12:30	22.06	0.95			12.72	0.65	0.79	0.43	8.43	OK	0	0
9/02	0	12:15	21.73	0.79			12.09	0.66	0.83	0.46	8.48	OK	0	0
9/03	0	13:15	21.89	0.10			11.54	0.66	0.88	0.44	8.46	OK	0	0
9/04	0	16:00	23.44	0.86			13.80	0.67	0.86	0.48	8.49	OK	0	0
9/05	0	11:15	19.97	1.17			11.60	0.66	0.78	0.40	7.70	OK	0	0
9/06	0	22:00	22.13	0.27			12.65	0.64	0.78	0.46	7.87	OK	0	0
9/07	0	15:45	19.31	8.05			11.22	0.61	0.68	0.35	14.50	OK	0	0
9/08	0.6	16:00	25.19	0.00			11.78	0.60	0.70	0.38	11.74	OK	0	0
9/09	0.03	02:15	17.05	1.46			9.88	0.46	0.57	0.34	7.26	OK	0	0
9/10	1.25	11:15	26.23	0.32			9.38	0.65	0.54	0.47	15.51	OK	0	0
9/11	1.14	18:45	28.58	1.90			14.74	0.81	0.78	0.49	13.66	OK	0	0
9/12	0	09:15	21.81	1.41			13.29	0.92	1.03	0.55	7.44	OK	0	0
9/13	0.2	08:30	19.30	0.00			10.43	0.84	0.85	0.52	6.66	OK	0	0
9/14	0	08:45	16.61	0.00			9.11	0.66	0.66	0.41	5.78	OK	0	0
9/15	0	11:00	20.61	0.00			12.70	0.71	0.98	0.38	5.85	OK	0	0
9/16	0	13:15	22.55	0.00			14.96	0.73	1.02	0.44	5.41	OK	0	0
9/17	0.2	21:30	21.61	0.00			13.47	0.66	0.88	0.49	6.12	OK	0	0
9/18	1.44	08:45	31.22	2.17			18.83	0.96	1.61	0.80	11.19	OK	0	0
9/19	0	08:15	20.75	0.00			11.30	0.86	1.08	0.51	7.00	OK	0	0
9/20	0	11:00	23.94	0.00			15.32	0.75	1.24	0.45	6.18	OK	0	0
9/21	0	21:15	20.95	0.00			12.85	0.80	0.90	0.46	5.94	OK	0	0
9/22	0	14:15	20.72	0.00			13.28	0.74	0.93	0.40	5.36	OK	0	0
9/23	0.87	11:30	20.93	6.77			12.04	0.78	0.77	0.49	13.63	OK	0	0
9/24	0.98	21:45	46.78	1.58			30.19	1.30	5.21	1.11	10.54	OK	0	0
9/25	0.56	11:45	48.23	3.56			32.31	1.51	5.80	1.04	11.14	OK	0	0
9/26	0.1	13:00	32.84	3.64			22.30	1.13	2.79	0.64	9.62	OK	0	0
9/27	0	22:00	27.91	12.55			18.13	1.04	1.98	0.58	18.73	Exceedance	0:15	0.01535
9/28	0	09:15	23.66	0.00			13.94	0.93	1.49	0.50	6.80	OK	0	0
9/29	1.47	10:30	48.53	7.29			32.51	1.41	4.05	1.53	16.32	OK	0	0
9/30	0.04	11:15	35.43	0.04			20.79	1.18	2.71	0.65	10.14	OK	0	0
TOTAL	8.88												Total 0:15	0.01535
	AVERAGE PEAK FLOW		25.73	1.83	0.00	0.00	15.30	0.83	1.47	0.55				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Roselle Park
FORMULA: METER NO. RV29 - RV30 - RV07

FLOW RIGHTS AVAILABLE (mgd): 1.94
No. OF DAYS WITH EXCEEDANCE: 0
MAX. FLOW: 1.40 AVG. FLOW 1.12

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)						
9/01	0	05:00	1.49				0.15	0.35			1.00	OK	0	0
9/02	0	10:15	1.82				0.26	0.58			0.97	OK	0	0
9/03	0	12:15	1.77				0.28	0.58			0.92	OK	0	0
9/04	0	10:00	1.86				0.27	0.55			1.04	OK	0	0
9/05	0	20:30	1.89				0.29	0.64			0.96	OK	0	0
9/06	0	05:15	1.45				0.15	0.37			0.93	OK	0	0
9/07	0	07:15	1.73				0.20	0.53			1.00	OK	0	0
9/08	0.6	22:30	1.73				0.22	0.53			0.98	OK	0	0
9/09	0.03	12:45	1.92				0.28	0.65			0.99	OK	0	0
9/10	1.25	08:30	1.67				0.19	0.42			1.06	OK	0	0
9/11	1.14	19:45	2.87				0.42	1.29			1.17	OK	0	0
9/12	0	06:45	2.10				0.24	0.71			1.15	OK	0	0
9/13	0.2	06:45	2.02				0.24	0.73			1.05	OK	0	0
9/14	0	06:45	1.85				0.21	0.56			1.08	OK	0	0
9/15	0	13:00	2.04				0.28	0.66			1.10	OK	0	0
9/16	0	11:15	2.08				0.31	0.68			1.09	OK	0	0
9/17	0.2	09:30	2.03				0.24	0.65			1.14	OK	0	0
9/18	1.44	06:30	2.09				0.22	0.75			1.13	OK	0	0
9/19	0	17:15	2.18				0.27	0.78			1.14	OK	0	0
9/20	0	00:15	1.95				0.23	0.62			1.11	OK	0	0
9/21	0	23:00	1.98				0.23	0.64			1.11	OK	0	0
9/22	0	17:15	2.01				0.24	0.58			1.18	OK	0	0
9/23	0.87	16:15	2.45				0.33	0.76			1.35	OK	0	0
9/24	0.98	08:45	2.48				0.29	0.90			1.30	OK	0	0
9/25	0.56	13:15	3.08				0.39	1.35			1.35	OK	0	0
9/26	0.1	16:00	2.46				0.29	0.92			1.26	OK	0	0
9/27	0	06:45	2.30				0.25	0.78			1.26	OK	0	0
9/28	0	07:15	2.23				0.24	0.80			1.20	OK	0	0
9/29	1.47	08:30	3.03				0.35	1.27			1.40	OK	0	0
9/30	0.04	12:45	2.58				0.31	1.04			1.23	OK	0	0
TOTAL	8.88												Total 0	0
	AVERAGE PEAK FLOW		2.10		0.00	0.00	0.26	0.72	0.00	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Scotch Plains
FORMULA: METER NO. RV18 + RV19

FLOW RIGHTS AVAILABLE (mgd): 4.73
No. OF DAYS WITH EXCEEDANCE: 0
MAX. FLOW: 3.38 AVG. FLOW 2.15

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							
			RV18	RV19										
9/01	0	10:15	1.02	0.78							1.80	OK	0	0
9/02	0	14:45	0.75	0.70							1.45	OK	0	0
9/03	0	12:15	0.89	0.77							1.65	OK	0	0
9/04	0	22:15	1.10	0.66							1.77	OK	0	0
9/05	0	10:00	1.00	0.88							1.88	OK	0	0
9/06	0	09:15	1.02	0.73							1.75	OK	0	0
9/07	0	09:30	1.06	0.76							1.82	OK	0	0
9/08	0.6	08:30	1.07	0.82							1.89	OK	0	0
9/09	0.03	10:45	1.22	0.59							1.81	OK	0	0
9/10	1.25	11:45	1.57	0.90							2.47	OK	0	0
9/11	1.14	19:45	1.59	0.91							2.49	OK	0	0
9/12	0	21:45	1.29	0.78							2.06	OK	0	0
9/13	0.2	09:15	1.23	0.76							1.99	OK	0	0
9/14	0	08:30	1.19	0.88							2.08	OK	0	0
9/15	0	09:30	1.23	0.70							1.94	OK	0	0
9/16	0	10:30	1.15	0.83							1.98	OK	0	0
9/17	0.2	21:00	1.18	0.89							2.07	OK	0	0
9/18	1.44	10:30	1.72	0.88							2.60	OK	0	0
9/19	0	09:45	1.21	0.84							2.05	OK	0	0
9/20	0	08:30	1.26	0.89							2.15	OK	0	0
9/21	0	10:15	1.20	0.79							1.99	OK	0	0
9/22	0	09:00	1.35	0.53							1.89	OK	0	0
9/23	0.87	13:00	1.44	0.93							2.37	OK	0	0
9/24	0.98	19:45	1.95	0.93							2.87	OK	0	0
9/25	0.56	10:45	1.81	0.93							2.75	OK	0	0
9/26	0.1	21:00	1.51	0.90							2.41	OK	0	0
9/27	0	09:15	1.51	0.86							2.36	OK	0	0
9/28	0	08:45	1.45	0.84							2.30	OK	0	0
9/29	1.47	09:30	2.55	0.83							3.38	OK	0	0
9/30	0.04	12:30	1.47	0.94							2.41	OK	0	0
TOTAL	8.88												Total 0	0
	AVERAGE PEAK FLOW		1.33	0.81	0.00	0.00	0.00	0.00	0.00	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Springfield
FORMULA: METER NO. RV01

FLOW RIGHTS AVAILABLE (mgd): 4.39
No. OF DAYS WITH EXCEEDANCE: 4
MAX. FLOW: 5.46 AVG. FLOW 3.54

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											
9/01	0	12:15	2.88								2.88	OK	0	0
9/02	0	13:15	2.97								2.97	OK	0	0
9/03	0	13:00	2.88								2.88	OK	0	0
9/04	0	14:00	3.05								3.05	OK	0	0
9/05	0	21:45	3.02								3.02	OK	0	0
9/06	0	22:45	3.11								3.11	OK	0	0
9/07	0	22:15	2.93								2.93	OK	0	0
9/08	0.6	10:45	2.94								2.94	OK	0	0
9/09	0.03	13:30	3.10								3.10	OK	0	0
9/10	1.25	13:30	3.50								3.50	OK	0	0
9/11	1.14	20:30	4.03								4.03	OK	0	0
9/12	0	00:00	3.43								3.43	OK	0	0
9/13	0.2	09:30	3.20								3.20	OK	0	0
9/14	0	22:00	3.03								3.03	OK	0	0
9/15	0	10:00	3.09								3.09	OK	0	0
9/16	0	13:00	3.15								3.15	OK	0	0
9/17	0.2	23:00	3.25								3.25	OK	0	0
9/18	1.44	11:45	4.58								4.58	Exceedance	1:30	0.00807
9/19	0	00:00	3.59								3.59	OK	0	0
9/20	0	22:00	3.37								3.37	OK	0	0
9/21	0	09:45	3.19								3.19	OK	0	0
9/22	0	10:15	3.29								3.29	OK	0	0
9/23	0.87	17:45	4.09								4.09	OK	0	0
9/24	0.98	20:15	4.63								4.63	Exceedance	3:00	0.01346
9/25	0.56	12:30	5.16								5.16	Exceedance	8:30	0.13384
9/26	0.1	00:00	4.01								4.01	OK	0	0
9/27	0	10:15	3.58								3.58	OK	0	0
9/28	0	21:00	3.52								3.52	OK	0	0
9/29	1.47	12:00	5.46								5.46	Exceedance	13:45	0.27179
9/30	0.04	00:00	4.16								4.16	OK	0	0
TOTAL	8.88											Total	26:45	0.42716
	AVERAGE PEAK FLOW		3.54		0.00	0.00	0.00	0.00	0.00	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Westfield
FORMULA: METER NO. RV04 + RV05 + RV06 + RV09 - RV18 - RV19

FLOW RIGHTS AVAILABLE (mgd): 10.94
No. OF DAYS WITH EXCEEDANCE: 0
MAX. FLOW: 10.68 AVG. FLOW 5.01

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)						
9/01	0	10:30	0.29	0.23	0.51	3.56	0.88	0.00			3.71	OK	0	0
9/02	0	11:30	0.32	0.22	0.55	3.72	0.82	0.43			3.56	OK	0	0
9/03	0	12:00	0.27	0.21	0.53	3.65	0.83	0.00			3.84	OK	0	0
9/04	0	21:30	0.34	0.28	0.51	4.19	1.11	0.43			3.78	OK	0	0
9/05	0	11:15	0.27	0.22	0.51	3.79	1.00	0.00			3.78	OK	0	0
9/06	0	21:45	0.43	0.26	0.55	4.35	1.13	0.37			4.09	OK	0	0
9/07	0	20:45	0.36	0.31	0.52	3.59	0.93	0.11			3.73	OK	0	0
9/08	0.6	09:15	0.30	0.23	0.50	3.76	1.07	0.00			3.72	OK	0	0
9/09	0.03	09:30	0.26	0.23	0.47	2.94	0.46	0.00			3.44	OK	0	0
9/10	1.25	11:30	0.50	0.37	0.82	3.78	1.19	0.27			4.00	OK	0	0
9/11	1.14	19:30	0.51	0.51	1.15	5.72	1.36	0.22			6.31	OK	0	0
9/12	0	08:15	0.29	0.43	0.65	3.69	0.77	0.30			4.00	OK	0	0
9/13	0.2	21:15	0.36	0.32	0.62	3.74	1.07	0.38			3.59	OK	0	0
9/14	0	21:15	0.32	0.33	0.53	3.47	0.99	0.00			3.66	OK	0	0
9/15	0	10:15	0.32	0.26	0.57	3.61	1.23	0.00			3.52	OK	0	0
9/16	0	11:15	0.36	0.35	0.58	3.65	1.15	0.00			3.80	OK	0	0
9/17	0.2	21:45	0.40	0.41	0.57	4.14	1.18	0.00			4.33	OK	0	0
9/18	1.44	10:15	0.62	0.52	1.00	7.14	1.78	0.30			7.19	OK	0	0
9/19	0	10:00	0.65	0.30	0.71	4.36	1.09	0.00			4.92	OK	0	0
9/20	0	20:45	0.39	0.46	0.66	4.03	0.95	0.38			4.21	OK	0	0
9/21	0	20:45	0.34	0.30	0.57	3.70	0.94	0.21			3.76	OK	0	0
9/22	0	20:00	0.32	0.37	0.53	3.42	0.86	0.20			3.58	OK	0	0
9/23	0.87	16:45	0.51	0.43	0.95	5.93	1.48	0.62			5.72	OK	0	0
9/24	0.98	20:45	0.63	0.61	1.33	8.89	1.97	0.36			9.12	OK	0	0
9/25	0.56	12:15	0.64	0.63	1.45	8.96	1.81	0.26			9.60	OK	0	0
9/26	0.1	09:30	0.57	0.48	0.94	6.33	1.43	0.15			6.72	OK	0	0
9/27	0	10:00	0.42	0.40	0.90	5.42	1.51	0.00			5.64	OK	0	0
9/28	0	21:45	0.45	0.38	0.76	4.74	1.17	0.18			4.97	OK	0	0
9/29	1.47	10:00	0.73	0.73	1.68	10.81	2.43	0.83			10.68	OK	0	0
9/30	0.04	12:15	0.68	0.62	1.07	6.90	1.46	0.44			7.37	OK	0	0
TOTAL	8.88												Total 0	0
	AVERAGE PEAK FLOW		0.43	0.38	0.76	4.87	1.20	0.21	0.00	0.00				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: September 2023
MEMBER: Woodbridge
FORMULA: METER NO. RV15

FLOW RIGHTS AVAILABLE (mgd): 3.49
No. OF DAYS WITH EXCEEDANCE: 4
MAX. FLOW: 6.54 AVG. FLOW 2.08

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											
9/01	0	10:15	0.82								0.82	OK	0	0
9/02	0	12:00	0.97								0.97	OK	0	0
9/03	0	13:00	0.95								0.95	OK	0	0
9/04	0	13:00	0.94								0.94	OK	0	0
9/05	0	22:00	0.84								0.84	OK	0	0
9/06	0	09:45	0.97								0.97	OK	0	0
9/07	0	09:30	0.82								0.82	OK	0	0
9/08	0.6	09:15	0.76								0.76	OK	0	0
9/09	0.03	13:00	0.92								0.92	OK	0	0
9/10	1.25	12:45	1.68								1.68	OK	0	0
9/11	1.14	19:00	2.78								2.78	OK	0	0
9/12	0	00:00	1.68								1.68	OK	0	0
9/13	0.2	08:45	1.30								1.30	OK	0	0
9/14	0	09:15	1.15								1.15	OK	0	0
9/15	0	09:15	0.98								0.98	OK	0	0
9/16	0	12:15	1.10								1.10	OK	0	0
9/17	0.2	21:45	1.09								1.09	OK	0	0
9/18	1.44	10:00	3.31								3.31	OK	0	0
9/19	0	00:00	1.79								1.79	OK	0	0
9/20	0	09:00	1.25								1.25	OK	0	0
9/21	0	09:30	1.15								1.15	OK	0	0
9/22	0	11:15	1.23								1.23	OK	0	0
9/23	0.87	17:15	2.58								2.58	OK	0	0
9/24	0.98	21:45	5.96								5.96	Exceedance	14:45	0.78506
9/25	0.56	12:00	6.14								6.14	Exceedance	23:45	1.64458
9/26	0.1	00:00	3.41								3.41	OK	0	0
9/27	0	00:00	2.41								2.41	OK	0	0
9/28	0	08:45	1.91								1.91	OK	0	0
9/29	1.47	15:30	6.54								6.54	Exceedance	15:30	1.37623
9/30	0.04	00:15	4.91								4.91	Exceedance	3:30	0.08719
TOTAL	8.88												Total 57:30	3.89306
	AVERAGE PEAK FLOW		2.08		0.00	0.00	0.00	0.00	0.00	0.00				