Friday, May 08, 2020

Re: Flow Rights Utilization Report - April 2020

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

Member	Flow Rights (MGD)	Current Month		Measuring Year to Date		No. of Days Above Limit (2)	
		Avg Flow Rate (MGD)	Max Flow Rate (MGD)	Avg Flow Rate (MGD)	Max Flow Rate (MGD)	Current Month	Total for 2020 Measuring Year
Clark	4.95	1.63	5.37	1.50	7.18	1	4
Cranford	9.19	3.83	9.10	3.51	11.83	0	6
Garwood	4.09	0.72	2.08	0.61	2.85	0	0
Kenilworth	2.75	0.91	1.67	0.94	2.51	0	0
Mountainside	3.15	0.75	1.64	0.75	1.95	0	0
Rahway	17.26	6.03	19.43	5.97	24.61	2	10
Roselle Park	1.94	0.59	1.38	0.58	1.76	0	0
Scotch Plains	4.73	1.44	3.22	1.26	3.40	0	0
Springfield	3.99	2.68	4.97	2.61	6.12	2	18
Westfield	10.94	3.73	9.69	3.59	11.18	0	1
Woodbridge	3.49	1.04	4.56	1.15	6.35	1	12

Notes:

(1) All flow rates are based on the instantaneous meter readings for all meters.

(2) All meters are recorded every 15 minutes.

(3) The Flow Rights shown above reflect a 5% increase, effective October 1, 2014, per Resolution #14-24 as approved by RVSA Commissioners at their May 15, 2014 Regular Meeting.

(4) Garwood and Springfield Flow Rights reflect a sale of 100,000 GPD effective July 1, 2019 as per Resolution #19-31.

FLOW RIGHTS UTILIZATION REPORT

Month/Year	April 2020	FLOW RIGHTS AVAILABLE (mgd):	4.95
MEMBER	Clark	No. OF VIOLATIONS THIS MONTH:	1
FORMULA	METER NO. RV11+RV17-RV09-RV10	MAX. FLOW: 5.37	AVG. FLOW 2.82

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV11	RV17			RV09	RV10				
4/01	0	13:30	17.74	0.50			4.60	10.90			2.73	OK
4/02	0	02:45	13.05	0.43			2.84	8.05			2.60	OK
4/03	0.04	00:30	15.57	0.52			3.70	9.83			2.56	OK
4/04	0	20:15	16.99	0.48			4.44	10.60			2.42	OK
4/05	0	22:00	16.33	0.47			4.45	10.08			2.27	OK
4/06	0.04	01:00	13.91	0.46			3.31	8.04			3.02	OK
4/07	0	00:00	14.74	0.48			3.68	8.93			2.61	OK
4/08	0.28	15:45	16.09	0.54			4.18	9.50			2.94	OK
4/09	0.08	19:45	15.46	0.51			4.13	9.35			2.48	OK
4/10	0.02	01:30	12.98	0.40			3.11	7.26			3.01	OK
4/11	0	00:00	14.50	0.43			3.29	8.78			2.86	OK
4/12	0	00:00	14.26	0.43			3.43	9.05			2.21	OK
4/13	1.72	13:15	31.34	0.80			8.51	18.27			5.37	Violation
4/14	0	00:30	25.10	0.75			6.32	15.43			4.10	OK
4/15	0	15:30	19.16	0.54			4.93	12.25			2.52	OK
4/16	0	11:15	17.83	0.55			4.93	10.91			2.54	OK
4/17	0.02	22:45	17.22	0.48			4.22	10.91			2.57	OK
4/18	0.24	16:15	19.97	0.57			5.19	12.12			3.23	OK
4/19	0	23:30	16.91	0.49			4.17	10.33			2.90	OK
4/20	0	16:30	16.07	0.54			4.13	9.44			3.04	OK
4/21	0.12	12:00	16.32	0.53			4.37	10.01			2.47	OK
4/22	0	22:15	16.99	0.49			4.37	9.90			3.22	OK
4/23	0.03	14:30	16.31	0.48			3.96	10.38			2.46	OK
4/24	0.36	19:00	20.65	0.59			5.27	13.14			2.83	OK
4/25	0	15:30	20.18	0.52			5.00	12.68			3.02	OK
4/26	0.1	21:45	20.23	0.49			5.45	12.52			2.76	OK
4/27	0	01:30	16.03	0.49			3.79	10.10			2.64	OK
4/28	0	23:00	17.72	0.48			4.52	11.10			2.58	OK
4/29	0	13:45	16.53	0.56			4.27	10.61			2.22	OK
4/30	0.38	23:45	18.63	0.48			4.80	11.79			2.53	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		17.49	0.52			4.44	10.74				

FLOW RIGHTS UTILIZATION REPORT

Month/Year	April 2020	FLOW RIGHTS AVAILABLE (mgd):	9.19
MEMBER	Cranford	No. OF VIOLATIONS THIS MONTH:	0
FORMULA	METER NO. RV10+RV13+RV30-RV02-RV03-RV29	MAX. FLOW: 9.10	AVG. FLOW 5.36

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV10	RV13	RV30		RV02	RV03	RV29			
4/01	0	12:15	11.53	0.88	0.32		4.03	2.19	1.42		5.10	OK
4/02	0	23:15	11.30	0.78	0.29		3.95	1.93	1.23		5.25	OK
4/03	0.04	00:00	10.49	0.74	0.25		3.82	1.82	1.11		4.72	OK
4/04	0	19:30	11.11	0.79	0.29		3.98	2.08	1.32		4.82	OK
4/05	0	17:15	11.05	0.79	0.27		4.04	2.00	1.28		4.80	OK
4/06	0.04	22:30	11.02	0.74	0.23		4.08	1.94	1.17		4.80	OK
4/07	0	21:30	11.00	0.77	0.26		3.88	2.06	1.26		4.83	OK
4/08	0.28	12:45	11.18	0.79	0.28		3.97	2.10	1.31		4.87	OK
4/09	0.08	16:00	10.94	0.80	0.25		3.98	2.00	1.29		4.72	OK
4/10	0.02	23:30	9.85	0.66	0.21		3.51	1.55	1.08		4.59	OK
4/11	0	17:00	10.84	0.74	0.23		3.87	1.95	1.23		4.76	OK
4/12	0	19:30	10.21	0.70	0.22		3.64	1.94	1.20		4.36	OK
4/13	1.72	20:00	19.80	1.29	0.37		6.06	4.19	2.10		9.10	OK
4/14	0	00:00	15.91	1.07	0.29		5.15	3.17	1.66		7.29	OK
4/15	0	21:45	12.85	0.94	0.27		4.49	2.35	1.41		5.81	OK
4/16	0	19:30	11.67	0.90	0.28		4.13	2.26	1.42		5.04	OK
4/17	0.02	23:15	11.26	0.81	0.25		3.95	1.99	1.21		5.17	OK
4/18	0.24	14:00	13.08	0.98	0.25		4.49	2.54	1.57		5.72	OK
4/19	0	22:45	11.78	0.82	0.23		4.17	2.07	1.20		5.39	OK
4/20	0	12:30	11.48	0.86	0.26		4.10	2.15	1.33		5.02	OK
4/21	0.12	18:30	11.63	0.97	0.26		4.14	2.11	1.38		5.24	OK
4/22	0	15:15	10.99	0.84	0.26		3.89	1.96	1.29		4.95	OK
4/23	0.03	13:45	11.01	0.82	0.25		3.91	1.94	1.33		4.90	OK
4/24	0.36	18:30	13.69	1.03	0.29		4.62	2.59	1.65		6.14	OK
4/25	0	15:15	13.12	0.96	0.27		4.39	2.39	1.42		6.14	OK
4/26	0.1	17:45	13.50	0.85	0.26		4.42	2.53	1.47		6.18	OK
4/27	0	00:15	11.78	0.75	0.23		3.97	2.05	1.20		5.54	OK
4/28	0	14:00	11.56	0.82	0.24		4.10	2.09	1.36		5.08	OK
4/29	0	12:15	11.13	0.81	0.28		4.05	2.01	1.41		4.75	OK
4/30	0.38	23:00	12.58	0.91	0.25		4.33	2.40	1.41		5.61	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		11.98	0.85	0.26		4.17	2.21	1.36			

FLOW RIGHTS UTILIZATION REPORT

Month/Year: April 2020
MEMBER: Garwood
FORMULA: METER NO. RV03-RV04-RV05-RV06

FLOW RIGHTS AVAILABLE (mgd): 4.09
No. OF VIOLATIONS THIS MONTH: 0
MAX. FLOW: 2.08 AVG. FLOW 0.94

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV03				RV04	RV05	RV06			
4/01	0	23:00	2.09				0.28	0.47	0.53		0.81	OK
4/02	0	21:30	2.22				0.30	0.52	0.47		0.93	OK
4/03	0.04	00:30	1.77				0.21	0.36	0.42		0.79	OK
4/04	0	13:30	2.35				0.35	0.53	0.58		0.89	OK
4/05	0	15:30	2.16				0.28	0.53	0.54		0.82	OK
4/06	0.04	23:30	1.81				0.20	0.38	0.44		0.79	OK
4/07	0	21:15	2.19				0.32	0.55	0.55		0.77	OK
4/08	0.28	10:15	2.17				0.29	0.48	0.59		0.82	OK
4/09	0.08	22:30	1.95				0.24	0.44	0.52		0.75	OK
4/10	0.02	22:30	1.91				0.25	0.43	0.50		0.73	OK
4/11	0	22:15	1.93				0.27	0.42	0.49		0.75	OK
4/12	0	23:15	1.84				0.23	0.36	0.46		0.78	OK
4/13	1.72	09:00	4.24				0.45	0.76	0.95		2.08	OK
4/14	0	00:00	3.17				0.36	0.53	0.86		1.42	OK
4/15	0	00:00	2.36				0.29	0.48	0.64		0.96	OK
4/16	0	15:15	2.27				0.31	0.46	0.60		0.91	OK
4/17	0.02	13:00	2.29				0.33	0.45	0.63		0.88	OK
4/18	0.24	15:15	2.58				0.37	0.61	0.69		0.91	OK
4/19	0	14:00	2.36				0.36	0.49	0.63		0.88	OK
4/20	0	10:45	2.23				0.27	0.52	0.60		0.84	OK
4/21	0.12	11:30	2.15				0.30	0.46	0.55		0.84	OK
4/22	0	21:45	2.16				0.31	0.46	0.53		0.86	OK
4/23	0.03	12:30	2.02				0.28	0.42	0.54		0.78	OK
4/24	0.36	11:45	2.92				0.41	0.55	0.62		1.34	OK
4/25	0	21:45	2.31				0.31	0.45	0.57		0.97	OK
4/26	0.1	17:30	2.58				0.39	0.55	0.58		1.06	OK
4/27	0	10:45	2.49				0.34	0.51	0.56		1.09	OK
4/28	0	00:00	1.90				0.23	0.38	0.42		0.88	OK
4/29	0	00:30	1.80				0.18	0.35	0.35		0.92	OK
4/30	0.38	23:00	2.40				0.29	0.45	0.62		1.04	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		2.29				0.30	0.48	0.57			

FLOW RIGHTS UTILIZATION REPORT

Month/Year: April 2020
MEMBER: Kenilworth
FORMULA: METER NO. RV02+RV07-RV01-RV20

FLOW RIGHTS AVAILABLE (mgd): 2.75
No. OF VIOLATIONS THIS MONTH: 0
MAX. FLOW: 1.67 AVG. FLOW 1.22

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV02	RV07			RV01	RV20				
4/01	0	12:30	4.17	0.85			2.91	0.94			1.17	OK
4/02	0	16:45	4.01	0.81			2.81	0.84			1.17	OK
4/03	0.04	13:45	4.09	0.81			2.84	0.91			1.15	OK
4/04	0	12:30	3.96	0.76			2.64	0.92			1.17	OK
4/05	0	14:15	4.28	0.77			2.88	0.94			1.24	OK
4/06	0.04	21:15	4.38	0.66			2.88	0.93			1.23	OK
4/07	0	15:00	3.91	0.73			2.66	0.86			1.11	OK
4/08	0.28	12:30	3.94	0.77			2.70	0.89			1.11	OK
4/09	0.08	14:00	3.95	0.76			2.65	0.89			1.17	OK
4/10	0.02	15:45	3.93	0.69			2.64	0.85			1.13	OK
4/11	0	14:45	4.10	0.73			2.88	0.92			1.03	OK
4/12	0	16:15	3.98	0.74			2.75	0.87			1.10	OK
4/13	1.72	16:00	6.21	1.27			4.53	1.28			1.67	OK
4/14	0	12:45	4.85	0.92			3.31	1.05			1.41	OK
4/15	0	17:00	4.33	0.85			3.08	0.89			1.21	OK
4/16	0	16:45	4.22	0.82			2.94	0.86			1.25	OK
4/17	0.02	16:00	4.21	0.80			2.96	0.88			1.16	OK
4/18	0.24	13:30	4.71	0.89			3.35	1.06			1.19	OK
4/19	0	13:45	4.47	0.84			3.07	1.01			1.23	OK
4/20	0	17:00	4.05	0.78			2.83	0.77			1.23	OK
4/21	0.12	15:45	4.16	0.85			2.90	0.89			1.23	OK
4/22	0	12:00	4.10	0.77			2.71	0.93			1.23	OK
4/23	0.03	22:30	4.02	0.66			2.70	0.84			1.14	OK
4/24	0.36	10:30	4.24	1.03			2.98	0.97			1.32	OK
4/25	0	13:00	4.46	0.90			3.01	1.05			1.30	OK
4/26	0.1	19:30	4.52	0.86			3.18	0.91			1.28	OK
4/27	0	16:30	4.32	0.79			3.03	0.84			1.24	OK
4/28	0	16:45	4.03	0.73			2.72	0.81			1.24	OK
4/29	0	19:15	4.07	0.79			2.81	0.83			1.23	OK
4/30	0.38	17:45	4.00	0.78			2.73	0.80			1.26	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		4.26	0.81			2.94	0.91				

FLOW RIGHTS UTILIZATION REPORT

RAHWAY VALLEY SEWERAGE AUTHORITY

Month/Year: April 2020
MEMBER: Mountainside
FORMULA: METER NO. RV20

FLOW RIGHTS AVAILABLE (mgd): 3.15
No. OF VIOLATIONS THIS MONTH: 0
MAX. FLOW: 1.64 AVG. FLOW 1.02

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV20									
4/01	0	11:00	0.98								0.98	OK
4/02	0	11:15	0.98								0.98	OK
4/03	0.04	11:30	0.98								0.98	OK
4/04	0	13:45	0.99								0.99	OK
4/05	0	13:15	0.97								0.97	OK
4/06	0.04	11:00	0.97								0.97	OK
4/07	0	11:00	0.94								0.94	OK
4/08	0.28	14:30	1.31								1.31	OK
4/09	0.08	00:00	0.98								0.98	OK
4/10	0.02	14:30	0.93								0.93	OK
4/11	0	12:30	0.98								0.98	OK
4/12	0	13:30	0.96								0.96	OK
4/13	1.72	11:30	1.64								1.64	OK
4/14	0	11:30	1.12								1.12	OK
4/15	0	12:00	1.05								1.05	OK
4/16	0	12:15	1.01								1.01	OK
4/17	0.02	11:30	0.96								0.96	OK
4/18	0.24	13:45	1.07								1.07	OK
4/19	0	13:30	1.01								1.01	OK
4/20	0	22:00	0.96								0.96	OK
4/21	0.12	22:00	0.95								0.95	OK
4/22	0	11:00	0.94								0.94	OK
4/23	0.03	11:15	0.90								0.90	OK
4/24	0.36	14:30	1.14								1.14	OK
4/25	0	12:45	1.07								1.07	OK
4/26	0.1	20:30	1.01								1.01	OK
4/27	0	11:45	0.97								0.97	OK
4/28	0	11:00	0.94								0.94	OK
4/29	0	21:30	0.96								0.96	OK
4/30	0.38	23:15	0.98								0.98	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		1.02									

FLOW RIGHTS UTILIZATION REPORT

Month/Year: April 2020
MEMBER: Rahway
FORMULA: METER NO. RV14+RV31-RV11-RV13-RV15-RV17

FLOW RIGHTS AVAILABLE (mgd): 17.26
No. OF VIOLATIONS THIS MONTH: 2
MAX. FLOW: 19.43 AVG. FLOW 8.75

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV14	RV31			RV11	RV13	RV15	RV17		
4/01	0	00:15	26.46	0.00			16.08	0.79	0.97	0.46	8.17	OK
4/02	0	00:30	25.01	0.00			15.49	0.76	0.90	0.48	7.37	OK
4/03	0.04	00:00	25.61	0.00			16.05	0.74	0.92	0.45	7.46	OK
4/04	0	17:15	26.34	0.00			16.11	0.81	1.01	0.54	7.87	OK
4/05	0	15:15	25.88	0.00			16.29	0.82	1.14	0.54	7.10	OK
4/06	0.04	15:45	25.05	0.00			15.25	0.74	0.89	0.49	7.68	OK
4/07	0	16:15	23.52	0.76			14.66	0.72	0.85	0.48	7.58	OK
4/08	0.28	23:30	25.31	0.00			15.47	0.72	0.83	0.49	7.80	OK
4/09	0.08	21:30	23.83	1.79			15.79	0.80	0.96	0.55	7.52	OK
4/10	0.02	00:30	24.36	0.00			14.38	0.65	0.76	0.48	8.10	OK
4/11	0	16:30	24.79	0.00			15.67	0.75	0.97	0.49	6.91	OK
4/12	0	00:15	22.52	0.00			13.87	0.62	0.72	0.43	6.88	OK
4/13	1.72	22:00	53.56	0.00			28.16	1.20	3.92	0.86	19.43	Violation
4/14	0	00:45	45.40	0.00			22.77	1.05	2.43	0.77	18.39	Violation
4/15	0	00:30	30.97	0.00			18.65	0.92	1.43	0.50	9.48	OK
4/16	0	00:00	28.80	0.00			17.37	0.86	1.21	0.46	8.90	OK
4/17	0.02	12:30	26.55	0.00			16.59	0.88	1.14	0.45	7.48	OK
4/18	0.24	15:30	31.51	0.00			19.82	0.96	1.49	0.58	8.67	OK
4/19	0	16:45	28.82	0.00			17.86	0.86	1.21	0.46	8.43	OK
4/20	0	14:45	26.08	0.00			16.32	0.85	1.03	0.51	7.38	OK
4/21	0.12	15:15	26.93	0.00			16.19	0.92	1.08	0.51	8.23	OK
4/22	0	00:30	24.02	0.00			14.85	0.77	0.79	0.42	7.19	OK
4/23	0.03	00:00	23.66	0.00			14.84	0.70	0.83	0.43	6.86	OK
4/24	0.36	16:15	34.92	0.00			21.23	1.02	1.72	0.50	10.45	OK
4/25	0	16:30	30.32	0.00			18.53	0.94	1.35	0.52	8.99	OK
4/26	0.1	16:45	32.95	0.00			20.27	0.86	1.55	0.58	9.69	OK
4/27	0	00:00	29.16	0.00			18.18	0.76	1.07	0.49	8.67	OK
4/28	0	15:15	26.75	0.00			16.51	0.80	1.06	0.50	7.89	OK
4/29	0	00:00	25.86	0.00			15.95	0.71	0.92	0.48	7.80	OK
4/30	0.38	23:45	29.22	0.00			18.63	0.89	1.13	0.48	8.08	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		28.47	0.08			17.26	0.83	1.21	0.51		

FLOW RIGHTS UTILIZATION REPORT

Month/Year	April 2020	FLOW RIGHTS AVAILABLE (mgd):	1.94
MEMBER	Roselle Park	No. OF VIOLATIONS THIS MONTH:	0
FORMULA	METER NO. RV29-RV30-RV07	MAX. FLOW: 1.38	AVG. FLOW 1.23

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV29				RV30	RV07				
4/01	0	18:30	2.28				0.27	0.82			1.18	OK
4/02	0	08:30	2.11				0.23	0.73			1.14	OK
4/03	0.04	19:15	2.19				0.28	0.78			1.13	OK
4/04	0	10:15	2.12				0.25	0.70			1.17	OK
4/05	0	22:30	2.06				0.22	0.65			1.20	OK
4/06	0.04	21:15	2.13				0.26	0.66			1.21	OK
4/07	0	11:45	2.11				0.26	0.68			1.18	OK
4/08	0.28	11:00	2.25				0.27	0.76			1.22	OK
4/09	0.08	22:30	2.03				0.23	0.63			1.17	OK
4/10	0.02	15:30	2.09				0.24	0.68			1.17	OK
4/11	0	10:00	2.09				0.23	0.69			1.18	OK
4/12	0	10:30	2.09				0.22	0.66			1.21	OK
4/13	1.72	13:30	2.96				0.35	1.24			1.38	OK
4/14	0	18:15	2.47				0.26	0.91			1.30	OK
4/15	0	13:15	2.44				0.27	0.87			1.29	OK
4/16	0	10:00	2.27				0.27	0.80			1.19	OK
4/17	0.02	15:30	2.32				0.25	0.81			1.27	OK
4/18	0.24	19:00	2.30				0.27	0.79			1.24	OK
4/19	0	13:30	2.41				0.30	0.84			1.27	OK
4/20	0	10:15	2.23				0.28	0.72			1.23	OK
4/21	0.12	17:00	2.30				0.25	0.83			1.22	OK
4/22	0	13:45	2.27				0.27	0.75			1.25	OK
4/23	0.03	11:00	2.13				0.24	0.73			1.16	OK
4/24	0.36	16:45	2.51				0.30	0.87			1.35	OK
4/25	0	00:15	2.15				0.25	0.67			1.23	OK
4/26	0.1	15:15	2.43				0.29	0.85			1.29	OK
4/27	0	19:30	2.39				0.30	0.83			1.26	OK
4/28	0	19:30	2.31				0.27	0.80			1.24	OK
4/29	0	11:00	2.24				0.27	0.75			1.22	OK
4/30	0.38	21:30	2.28				0.27	0.77			1.24	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		2.27				0.26	0.78				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: April 2020
MEMBER: Scotch Plains
FORMULA: METER NO. RV18+RV19

FLOW RIGHTS AVAILABLE (mgd): 4.73
No. OF VIOLATIONS THIS MONTH: 0
MAX. FLOW: 3.22 AVG. FLOW 1.85

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV18	RV19								
4/01	0	09:15	1.45	0.48							1.93	OK
4/02	0	21:15	1.27	0.52							1.79	OK
4/03	0.04	11:45	1.18	0.55							1.73	OK
4/04	0	13:30	1.34	0.56							1.89	OK
4/05	0	13:45	1.26	0.57							1.83	OK
4/06	0.04	21:15	1.35	0.52							1.87	OK
4/07	0	21:00	1.26	0.53							1.79	OK
4/08	0.28	11:30	1.20	0.54							1.74	OK
4/09	0.08	13:15	1.12	0.52							1.63	OK
4/10	0.02	13:30	1.13	0.51							1.64	OK
4/11	0	12:15	1.15	0.56							1.71	OK
4/12	0	13:00	1.20	0.54							1.74	OK
4/13	1.72	11:15	2.21	1.01							3.22	OK
4/14	0	10:00	1.32	0.58							1.90	OK
4/15	0	11:15	1.21	0.57							1.79	OK
4/16	0	21:00	1.19	0.52							1.71	OK
4/17	0.02	12:30	1.11	0.55							1.66	OK
4/18	0.24	11:45	1.22	0.64							1.86	OK
4/19	0	13:45	1.24	0.55							1.78	OK
4/20	0	09:45	1.20	0.52							1.72	OK
4/21	0.12	12:45	1.26	0.53							1.80	OK
4/22	0	09:15	1.22	0.48							1.70	OK
4/23	0.03	19:45	1.20	0.53							1.73	OK
4/24	0.36	12:30	1.48	0.58							2.06	OK
4/25	0	13:45	1.39	0.53							1.91	OK
4/26	0.1	21:15	1.42	0.54							1.96	OK
4/27	0	21:15	1.27	0.51							1.78	OK
4/28	0	21:15	1.27	0.50							1.77	OK
4/29	0	20:15	1.22	0.52							1.74	OK
4/30	0.38	21:00	1.29	0.69							1.99	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		1.29	0.56								

FLOW RIGHTS UTILIZATION REPORT

Month/Year: April 2020
MEMBER: Springfield
FORMULA: METER NO. RV01

FLOW RIGHTS AVAILABLE (mgd): 3.99
No. OF VIOLATIONS THIS MONTH: 2
MAX. FLOW: 4.97 AVG. FLOW 3.26

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV01									
4/01	0	21:15	3.21								3.21	OK
4/02	0	20:30	3.11								3.11	OK
4/03	0.04	15:00	3.15								3.15	OK
4/04	0	15:15	3.09								3.09	OK
4/05	0	13:45	3.14								3.14	OK
4/06	0.04	12:45	3.05								3.05	OK
4/07	0	13:45	2.91								2.91	OK
4/08	0.28	20:15	3.08								3.08	OK
4/09	0.08	12:30	3.02								3.02	OK
4/10	0.02	14:45	2.98								2.98	OK
4/11	0	17:30	3.00								3.00	OK
4/12	0	14:00	3.05								3.05	OK
4/13	1.72	13:15	4.97								4.97	Violation
4/14	0	00:00	4.03								4.03	Violation
4/15	0	23:15	3.40								3.40	OK
4/16	0	21:15	3.22								3.22	OK
4/17	0.02	20:45	3.21								3.21	OK
4/18	0.24	17:00	3.50								3.50	OK
4/19	0	15:15	3.29								3.29	OK
4/20	0	22:45	3.15								3.15	OK
4/21	0.12	20:45	3.14								3.14	OK
4/22	0	21:15	3.07								3.07	OK
4/23	0.03	14:45	2.98								2.98	OK
4/24	0.36	15:15	3.77								3.77	OK
4/25	0	14:45	3.30								3.30	OK
4/26	0.1	22:00	3.46								3.46	OK
4/27	0	23:15	3.18								3.18	OK
4/28	0	22:00	3.12								3.12	OK
4/29	0	22:00	3.11								3.11	OK
4/30	0.38	23:15	3.22								3.22	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		3.26									

FLOW RIGHTS UTILIZATION REPORT

Month/Year: April 2020
MEMBER: Westfield
FORMULA: METER NO. RV04+RV05+RV06+RV09-RV18-RV19

FLOW RIGHTS AVAILABLE (mgd): 10.94
No. OF VIOLATIONS THIS MONTH: 0
MAX. FLOW: 9.69 AVG. FLOW 4.91

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV04	RV05	RV06	RV09	RV18	RV19				
4/01	0	21:00	0.38	0.58	0.63	5.01	1.28	0.51			4.81	OK
4/02	0	20:45	0.33	0.58	0.60	4.81	1.26	0.46			4.61	OK
4/03	0.04	12:15	0.33	0.53	0.60	4.43	1.15	0.47			4.26	OK
4/04	0	15:00	0.39	0.54	0.58	4.86	1.25	0.54			4.59	OK
4/05	0	14:15	0.36	0.56	0.56	4.78	1.24	0.47			4.54	OK
4/06	0.04	20:45	0.33	0.56	0.58	4.55	1.21	0.47			4.35	OK
4/07	0	21:45	0.30	0.54	0.54	4.60	1.28	0.45			4.27	OK
4/08	0.28	12:45	0.36	0.49	0.60	4.42	1.08	0.47			4.31	OK
4/09	0.08	21:00	0.34	0.56	0.60	4.42	1.15	0.42			4.36	OK
4/10	0.02	13:45	0.33	0.54	0.59	4.34	1.13	0.44			4.22	OK
4/11	0	13:15	0.37	0.50	0.64	4.53	1.15	0.49			4.39	OK
4/12	0	14:00	0.34	0.48	0.62	4.57	1.20	0.51			4.29	OK
4/13	1.72	11:45	0.59	0.92	1.31	9.30	2.13	0.29			9.69	OK
4/14	0	00:00	0.36	0.53	0.86	6.66	1.35	0.48			6.58	OK
4/15	0	21:45	0.35	0.55	0.68	5.38	1.20	0.47			5.30	OK
4/16	0	11:30	0.35	0.50	0.67	4.99	1.14	0.47			4.90	OK
4/17	0.02	20:30	0.34	0.57	0.63	4.66	1.12	0.48			4.61	OK
4/18	0.24	12:45	0.39	0.73	0.78	5.58	1.27	0.59			5.62	OK
4/19	0	20:45	0.35	0.60	0.63	5.06	1.19	0.46			4.99	OK
4/20	0	21:15	0.35	0.58	0.61	4.71	1.17	0.48			4.60	OK
4/21	0.12	20:45	0.38	0.58	0.64	4.79	1.19	0.47			4.73	OK
4/22	0	20:45	0.36	0.56	0.60	4.37	1.20	0.43			4.26	OK
4/23	0.03	20:45	0.34	0.53	0.64	4.51	1.19	0.42			4.41	OK
4/24	0.36	13:30	0.39	0.57	0.76	5.95	1.46	0.55			5.66	OK
4/25	0	13:15	0.40	0.52	0.75	5.33	1.35	0.48			5.18	OK
4/26	0.1	20:45	0.38	0.60	0.61	5.44	1.35	0.45			5.23	OK
4/27	0	21:30	0.37	0.53	0.60	4.97	1.27	0.47			4.73	OK
4/28	0	21:00	0.37	0.59	0.60	4.79	1.25	0.47			4.62	OK
4/29	0	21:30	0.33	0.47	0.60	4.66	1.20	0.44			4.42	OK
4/30	0.38	21:45	0.32	0.53	0.69	5.04	1.32	0.53			4.72	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		0.36	0.56	0.66	5.05	1.26	0.47				

FLOW RIGHTS UTILIZATION REPORT

Month/Year: April 2020
MEMBER: Woodbridge
FORMULA: METER NO. RV15

FLOW RIGHTS AVAILABLE (mgd): 3.49
No. OF VIOLATIONS THIS MONTH: 1
MAX. FLOW: 4.56 AVG. FLOW 1.40

Day of Month	Rainfall (in)	Time of Day at Max Flow	METERED FLOW RATE (mgd) AT PEAK UTILIZATION								Flow Rights Utilization (mgd)	STATUS
			OUTFLOW METERS				INFLOW METERS					
			RV15									
4/01	0	21:15	1.18								1.18	OK
4/02	0	21:15	1.13								1.13	OK
4/03	0.04	13:15	1.10								1.10	OK
4/04	0	15:00	1.18								1.18	OK
4/05	0	13:00	1.17								1.17	OK
4/06	0.04	21:30	0.99								0.99	OK
4/07	0	20:30	0.97								0.97	OK
4/08	0.28	11:15	1.04								1.04	OK
4/09	0.08	15:45	1.02								1.02	OK
4/10	0.02	12:45	1.02								1.02	OK
4/11	0	15:30	1.05								1.05	OK
4/12	0	14:00	1.06								1.06	OK
4/13	1.72	19:00	4.56								4.56	Violation
4/14	0	00:00	2.97								2.97	OK
4/15	0	14:15	1.65								1.65	OK
4/16	0	14:15	1.36								1.36	OK
4/17	0.02	14:45	1.23								1.23	OK
4/18	0.24	14:45	1.56								1.56	OK
4/19	0	13:45	1.41								1.41	OK
4/20	0	20:30	1.11								1.11	OK
4/21	0.12	21:45	1.14								1.14	OK
4/22	0	19:45	1.07								1.07	OK
4/23	0.03	21:15	1.03								1.03	OK
4/24	0.36	12:15	1.95								1.95	OK
4/25	0	13:00	1.58								1.58	OK
4/26	0.1	22:15	1.65								1.65	OK
4/27	0	12:45	1.24								1.24	OK
4/28	0	13:30	1.23								1.23	OK
4/29	0	21:30	1.11								1.11	OK
4/30	0.38	22:15	1.22								1.22	OK
TOTAL	3.43											
	AVERAGE PEAK FLOW		1.40									