



Thursday, January 14, 2021

Re: Flow Rights Utilization Report - December 2020

Attached for your use please find Flow Rights Utilization Report for December 2020. 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 2021 measuring year.

Member	Flow Rights (MGD)	Current Month		Measuring Year to Date		No. of Days Above Limit (2)		Total Excess Usage for 2021 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 2021 Measuring Year	
Clark	4.95	1.62	5.13	1.45	5.24	1	2	0.00515
Cranford	9.19	3.97	9.85	3.26	9.85	1	2	0.02786
Garwood	3.99	0.83	2.99	0.65	2.99	0	0	0
Kenilworth	2.75	0.95	1.87	0.89	2.45	0	0	0
Mountainside	3.15	0.78	1.59	0.73	1.93	0	0	0
Rahway	17.26	6.88	23.28	5.95	23.28	3	6	1.63678
Roselle Park	1.94	0.51	1.60	0.46	1.60	0	0	0
Scotch Plains	4.73	1.36	2.72	1.22	3.83	0	0	0
Springfield	4.09	2.75	5.69	2.39	6.01	4	7	1.53114
Westfield	10.94	4.05	10.28	3.37	10.48	0	0	0
Woodbridge	3.49	1.18	5.31	0.97	5.31	2	5	1.40238

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) 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, 2020 as per Resolution #20-24.



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	00:00	29.92	0.75			9.28	18.05			3.34	OK	0	0
12/02	0	19:30	16.47	0.61			4.48	9.87			2.73	OK	0	0
12/03	0	11:15	16.35	0.53			4.86	9.45			2.57	OK	0	0
12/04	0.17	11:45	16.69	0.46			4.72	10.03			2.40	OK	0	0
12/05	0.98	08:30	23.04	1.02			6.56	13.26			4.24	OK	0	0
12/06	0	10:15	17.93	0.62			4.97	10.89			2.70	OK	0	0
12/07	0	20:00	17.15	0.54			4.92	10.33			2.45	OK	0	0
12/08	0	20:15	17.18	0.52			4.72	10.86			2.11	OK	0	0
12/09	0.04	21:00	16.59	0.53			4.76	10.08			2.29	OK	0	0
12/10	0	10:15	15.59	0.53			4.71	9.47			1.94	OK	0	0
12/11	0	11:00	15.24	0.50			4.51	9.07			2.17	OK	0	0
12/12	0	15:15	16.48	0.39			4.76	10.21			1.91	OK	0	0
12/13	0	12:15	15.47	0.47			4.72	9.19			2.03	OK	0	0
12/14	0.35	22:00	17.26	0.51			5.14	10.35			2.27	OK	0	0
12/15	0	10:00	14.66	0.44			4.34	8.93			1.84	OK	0	0
12/16	0	14:15	14.39	0.47			4.04	8.96			1.86	OK	0	0
12/17	0.37	12:30	14.48	0.48			4.20	8.68			2.08	OK	0	0
12/18	0	15:15	15.72	0.49			4.23	9.83			2.16	OK	0	0
12/19	0	12:00	15.34	0.59			4.58	9.06			2.29	OK	0	0
12/20	0	13:00	16.06	0.54			4.81	9.68			2.11	OK	0	0
12/21	0	18:45	16.41	0.55			4.46	10.19			2.31	OK	0	0
12/22	0	21:30	18.40	0.60			5.56	11.00			2.44	OK	0	0
12/23	0	10:00	16.24	0.56			4.65	9.63			2.52	OK	0	0
12/24	0.53	12:15	18.18	0.60			5.38	10.73			2.67	OK	0	0
12/25	0.93	10:15	31.98	1.04			9.28	18.62			5.13	Exceedance	0:15	0.00186
12/26	0	11:15	22.03	0.64			6.79	13.04			2.84	OK	0	0
12/27	0	11:30	18.64	0.59			5.71	10.95			2.57	OK	0	0
12/28	0	21:45	18.69	0.51			5.33	11.66			2.21	OK	0	0
12/29	0	13:15	17.90	0.50			5.39	10.80			2.21	OK	0	0
12/30	0	11:15	15.64	0.50			4.64	9.43			2.06	OK	0	0
12/31	0.59	10:30	19.68	0.69			5.93	11.44			3.00	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	00:00	18.36	1.11	0.35		7.28	4.11	1.92		6.52	OK	0	0
12/02	0	10:00	10.33	0.91	0.21		3.28	2.14	1.35		4.67	OK	0	0
12/03	0	09:15	8.75	0.82	0.20		2.70	1.79	1.13		4.15	OK	0	0
12/04	0.17	10:15	9.30	0.80	0.26		3.07	1.72	1.27		4.29	OK	0	0
12/05	0.98	12:45	17.83	1.27	0.38		5.61	3.60	2.20		8.06	OK	0	0
12/06	0	12:30	12.87	1.07	0.32		4.21	2.31	1.71		6.04	OK	0	0
12/07	0	09:45	10.37	0.90	0.25		3.09	1.99	1.54		4.91	OK	0	0
12/08	0	09:30	9.30	0.88	0.21		2.81	1.72	1.30		4.56	OK	0	0
12/09	0.04	20:00	10.24	0.87	0.24		3.80	1.70	1.40		4.44	OK	0	0
12/10	0	21:00	9.84	0.83	0.26		3.74	1.66	1.28		4.25	OK	0	0
12/11	0	10:45	9.15	0.81	0.23		3.38	1.58	1.24		4.00	OK	0	0
12/12	0	11:30	9.34	0.81	0.26		3.10	1.61	1.26		4.44	OK	0	0
12/13	0	12:30	10.16	0.86	0.23		3.65	1.82	1.40		4.37	OK	0	0
12/14	0.35	15:30	10.71	0.88	0.19		4.01	1.78	1.33		4.66	OK	0	0
12/15	0	21:30	9.66	0.75	0.27		3.55	1.66	1.26		4.20	OK	0	0
12/16	0	09:30	8.02	0.75	0.19		2.35	1.52	1.23		3.85	OK	0	0
12/17	0.37	15:00	9.92	0.72	0.25		3.78	1.57	1.38		4.15	OK	0	0
12/18	0	10:15	8.71	0.74	0.29		2.87	1.68	1.19		4.00	OK	0	0
12/19	0	14:15	10.17	0.77	0.23		4.15	1.62	1.24		4.16	OK	0	0
12/20	0	13:45	10.19	0.80	0.21		3.99	1.64	1.37		4.21	OK	0	0
12/21	0	20:30	10.55	0.83	0.20		3.91	2.00	1.40		4.28	OK	0	0
12/22	0	19:00	11.20	0.95	0.28		4.06	2.10	1.62		4.65	OK	0	0
12/23	0	10:45	10.35	0.87	0.29		3.38	1.88	1.50		4.75	OK	0	0
12/24	0.53	16:15	12.73	1.00	0.23		4.66	2.46	1.60		5.24	OK	0	0
12/25	0.93	13:30	22.04	1.48	0.40		6.90	3.90	3.28		9.85	Exceedance	2:00	0.02483
12/26	0	00:00	15.52	1.14	0.33		5.58	2.85	1.80		6.76	OK	0	0
12/27	0	13:45	13.45	1.00	0.28		4.87	2.57	1.98		5.32	OK	0	0
12/28	0	11:30	11.46	0.94	0.21		4.01	2.12	1.44		5.04	OK	0	0
12/29	0	15:30	11.05	0.89	0.22		4.39	1.88	1.45		4.44	OK	0	0
12/30	0	14:00	10.90	0.88	0.21		4.32	1.72	1.44		4.51	OK	0	0
12/31	0.59	12:00	13.59	1.02	0.28		4.46	2.63	1.71		6.09	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	00:00	3.61				0.53	0.85	0.46		1.78	OK	0	0
12/02	0	20:15	2.20				0.32	0.54	0.21		1.12	OK	0	0
12/03	0	09:00	2.05				0.34	0.52	0.19		1.00	OK	0	0
12/04	0.17	20:30	1.98				0.34	0.51	0.21		0.93	OK	0	0
12/05	0.98	07:30	3.17				0.26	0.50	0.24		2.16	OK	0	0
12/06	0	09:15	2.05				0.27	0.47	0.19		1.11	OK	0	0
12/07	0	10:30	2.13				0.38	0.56	0.18		1.01	OK	0	0
12/08	0	20:45	2.11				0.35	0.58	0.17		1.02	OK	0	0
12/09	0.04	20:00	1.88				0.31	0.53	0.16		0.90	OK	0	0
12/10	0	20:30	1.81				0.32	0.51	0.15		0.82	OK	0	0
12/11	0	17:15	1.64				0.28	0.40	0.11		0.84	OK	0	0
12/12	0	12:30	1.86				0.36	0.52	0.17		0.82	OK	0	0
12/13	0	11:15	1.90				0.35	0.43	0.17		0.95	OK	0	0
12/14	0.35	19:15	2.06				0.34	0.45	0.16		1.11	OK	0	0
12/15	0	07:45	1.52				0.19	0.24	0.09		1.00	OK	0	0
12/16	0	08:00	1.44				0.20	0.24	0.10		0.90	OK	0	0
12/17	0.37	19:30	1.78				0.37	0.48	0.13		0.80	OK	0	0
12/18	0	08:15	1.58				0.25	0.32	0.08		0.93	OK	0	0
12/19	0	11:00	1.96				0.32	0.45	0.15		1.04	OK	0	0
12/20	0	13:00	1.93				0.34	0.51	0.12		0.96	OK	0	0
12/21	0	13:45	2.15				0.30	0.49	0.10		1.26	OK	0	0
12/22	0	14:30	2.20				0.35	0.50	0.13		1.22	OK	0	0
12/23	0	12:00	2.07				0.33	0.58	0.15		1.01	OK	0	0
12/24	0.53	23:45	2.66				0.33	0.56	0.17		1.60	OK	0	0
12/25	0.93	01:15	4.46				0.57	0.67	0.23		2.99	OK	0	0
12/26	0	09:00	2.86				0.33	0.56	0.21		1.77	OK	0	0
12/27	0	11:15	2.77				0.35	0.69	0.19		1.54	OK	0	0
12/28	0	13:15	2.18				0.31	0.58	0.16		1.13	OK	0	0
12/29	0	11:00	2.09				0.31	0.59	0.15		1.04	OK	0	0
12/30	0	11:00	2.04				0.32	0.54	0.13		1.05	OK	0	0
12/31	0.59	08:15	2.23				0.21	0.37	0.11		1.55	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							
			RV02	RV07			RV01 (-15 min)	RV20						
12/01	0	21:45	4.73	0.81			3.26	1.05			1.23	OK	0	0
12/02	0	17:30	3.98	0.81			2.70	0.81			1.29	OK	0	0
12/03	0	12:15	4.11	0.77			2.70	0.96			1.22	OK	0	0
12/04	0.17	20:30	4.05	0.79			2.74	0.90			1.19	OK	0	0
12/05	0.98	07:30	3.93	1.46			2.72	0.80			1.87	OK	0	0
12/06	0	12:15	4.70	1.00			3.21	1.03			1.46	OK	0	0
12/07	0	21:00	4.27	0.83			2.72	0.99			1.40	OK	0	0
12/08	0	19:15	4.02	0.83			2.69	0.81			1.35	OK	0	0
12/09	0.04	18:00	3.91	0.82			2.64	0.84			1.26	OK	0	0
12/10	0	08:45	3.22	0.81			2.10	0.66			1.27	OK	0	0
12/11	0	14:45	3.91	0.77			2.57	0.87			1.24	OK	0	0
12/12	0	12:45	4.18	0.88			2.87	0.94			1.25	OK	0	0
12/13	0	09:30	2.80	0.77			1.88	0.48			1.22	OK	0	0
12/14	0.35	15:00	4.07	0.83			2.80	0.91			1.19	OK	0	0
12/15	0	13:00	3.82	0.72			2.43	0.88			1.23	OK	0	0
12/16	0	08:15	2.52	0.69			1.72	0.41			1.08	OK	0	0
12/17	0.37	19:45	3.96	0.75			2.76	0.91			1.05	OK	0	0
12/18	0	10:15	3.91	0.69			2.48	0.99			1.14	OK	0	0
12/19	0	12:45	4.15	0.79			2.73	0.98			1.23	OK	0	0
12/20	0	10:15	3.13	0.78			2.15	0.69			1.07	OK	0	0
12/21	0	10:15	3.89	0.71			2.64	0.95			1.01	OK	0	0
12/22	0	20:15	4.20	0.79			2.95	0.96			1.07	OK	0	0
12/23	0	14:30	4.09	0.79			2.91	0.92			1.04	OK	0	0
12/24	0.53	14:30	4.66	0.91			3.10	1.14			1.33	OK	0	0
12/25	0.93	13:00	7.15	1.36			5.31	1.40			1.80	OK	0	0
12/26	0	13:00	5.52	1.06			3.94	1.18			1.46	OK	0	0
12/27	0	11:00	4.40	0.91			3.11	0.92			1.28	OK	0	0
12/28	0	16:15	4.53	0.82			3.12	0.94			1.29	OK	0	0
12/29	0	12:15	4.44	0.84			3.01	1.04			1.24	OK	0	0
12/30	0	16:15	4.25	0.84			2.90	0.88			1.31	OK	0	0
12/31	0.59	17:15	5.04	0.92			3.41	1.09			1.46	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							
			RV20											
12/01	0	00:00	1.20							1.20	OK	0	0	
12/02	0	12:45	1.44							1.44	OK	0	0	
12/03	0	11:15	1.00							1.00	OK	0	0	
12/04	0.17	11:45	0.95							0.95	OK	0	0	
12/05	0.98	12:30	1.27							1.27	OK	0	0	
12/06	0	14:00	1.07							1.07	OK	0	0	
12/07	0	10:15	1.05							1.05	OK	0	0	
12/08	0	10:30	0.98							0.98	OK	0	0	
12/09	0.04	11:15	0.96							0.96	OK	0	0	
12/10	0	10:00	1.01							1.01	OK	0	0	
12/11	0	10:45	0.99							0.99	OK	0	0	
12/12	0	15:30	0.94							0.94	OK	0	0	
12/13	0	12:00	0.97							0.97	OK	0	0	
12/14	0.35	10:00	1.03							1.03	OK	0	0	
12/15	0	12:00	0.99							0.99	OK	0	0	
12/16	0	10:15	0.94							0.94	OK	0	0	
12/17	0.37	21:45	0.96							0.96	OK	0	0	
12/18	0	10:30	1.00							1.00	OK	0	0	
12/19	0	12:30	0.99							0.99	OK	0	0	
12/20	0	12:30	0.96							0.96	OK	0	0	
12/21	0	21:30	0.97							0.97	OK	0	0	
12/22	0	11:30	1.00							1.00	OK	0	0	
12/23	0	11:15	1.03							1.03	OK	0	0	
12/24	0.53	14:30	1.14							1.14	OK	0	0	
12/25	0.93	14:15	1.59							1.59	OK	0	0	
12/26	0	14:15	1.22							1.22	OK	0	0	
12/27	0	14:15	1.12							1.12	OK	0	0	
12/28	0	12:45	1.10							1.10	OK	0	0	
12/29	0	12:15	1.04							1.04	OK	0	0	
12/30	0	12:30	1.02							1.02	OK	0	0	
12/31	0.59	12:45	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	00:00	49.03	2.17			31.77	1.18	2.75	0.87	14.63	OK	0	0
12/02	0	13:15	28.54	0.00			17.63	0.90	1.37	0.56	8.09	OK	0	0
12/03	0	20:30	24.30	0.00			14.71	0.80	0.99	0.55	7.26	OK	0	0
12/04	0.17	10:45	22.67	0.00			13.25	0.78	0.89	0.46	7.30	OK	0	0
12/05	0.98	12:45	51.06	0.00			27.44	1.25	3.80	0.92	17.65	Exceedance	0:30	0.00486
12/06	0	14:15	34.39	0.00			20.60	1.08	2.07	0.55	10.10	OK	0	0
12/07	0	12:45	29.45	0.00			17.99	0.92	1.48	0.50	8.57	OK	0	0
12/08	0	21:00	26.59	0.00			16.94	0.86	1.04	0.52	7.24	OK	0	0
12/09	0.04	20:45	25.65	0.00			15.80	0.86	0.96	0.52	7.52	OK	0	0
12/10	0	10:30	22.36	0.00			12.96	0.82	0.85	0.52	7.20	OK	0	0
12/11	0	15:30	24.34	0.00			15.60	0.76	0.87	0.41	6.71	OK	0	0
12/12	0	16:15	25.76	0.00			16.48	0.79	1.06	0.39	7.05	OK	0	0
12/13	0	14:30	25.55	0.00			16.32	0.82	1.13	0.50	6.78	OK	0	0
12/14	0.35	16:45	26.84	0.00			16.32	0.88	1.08	0.42	8.14	OK	0	0
12/15	0	09:45	19.75	0.00			11.07	0.70	0.70	0.47	6.81	OK	0	0
12/16	0	10:15	20.18	0.00			11.21	0.75	0.72	0.49	7.02	OK	0	0
12/17	0.37	12:00	21.55	0.00			12.65	0.72	0.82	0.48	6.88	OK	0	0
12/18	0	12:45	23.53	0.00			14.86	0.73	0.87	0.49	6.60	OK	0	0
12/19	0	16:30	25.08	0.00			16.14	0.74	1.03	0.51	6.67	OK	0	0
12/20	0	14:00	25.50	0.00			16.06	0.79	1.07	0.54	7.03	OK	0	0
12/21	0	19:00	24.99	0.00			15.40	0.83	0.94	0.52	7.31	OK	0	0
12/22	0	17:00	28.15	0.00			17.12	0.89	1.29	0.56	8.29	OK	0	0
12/23	0	10:00	22.61	0.00			12.69	0.81	0.95	0.57	7.59	OK	0	0
12/24	0.53	23:45	32.96	0.21			18.24	0.96	1.60	0.52	11.85	OK	0	0
12/25	0.93	12:45	53.41	5.00			31.45	1.43	4.79	0.99	19.75	Exceedance	10:30	0.49286
12/26	0	00:00	44.49	0.02			25.53	1.21	2.77	0.74	14.26	OK	0	0
12/27	0	14:45	34.41	0.00			21.47	1.02	1.87	0.62	9.44	OK	0	0
12/28	0	12:30	28.41	0.00			17.22	0.93	1.41	0.53	8.32	OK	0	0
12/29	0	17:00	31.11	0.00			17.11	0.89	0.94	0.48	11.69	OK	0	0
12/30	0	01:30	26.87	0.00			14.68	0.75	0.83	0.48	10.14	OK	0	0
12/31	0.59	16:15	49.17	0.00			22.41	0.96	1.90	0.62	23.28	Exceedance	1:45	0.16852

TOTAL	3.96											Total	12:45	0.66624
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AVERAGE PEAK FLOW	29.96	0.24	0.00	0.00	17.71	0.90	1.45	0.56
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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	11:45	2.36				0.24	0.85			1.28	OK	0	0
12/02	0	19:15	2.22				0.17	0.79			1.25	OK	0	0
12/03	0	20:00	2.16				0.20	0.79			1.17	OK	0	0
12/04	0.17	10:30	2.17				0.18	0.77			1.22	OK	0	0
12/05	0.98	10:00	3.04				0.36	1.26			1.42	OK	0	0
12/06	0	16:00	2.37				0.27	0.89			1.21	OK	0	0
12/07	0	14:45	2.29				0.16	0.87			1.26	OK	0	0
12/08	0	19:00	2.27				0.20	0.77			1.30	OK	0	0
12/09	0.04	15:30	2.14				0.15	0.76			1.23	OK	0	0
12/10	0	08:15	2.14				0.23	0.73			1.18	OK	0	0
12/11	0	13:00	2.14				0.24	0.75			1.15	OK	0	0
12/12	0	15:00	2.24				0.24	0.82			1.18	OK	0	0
12/13	0	08:30	1.95				0.19	0.60			1.16	OK	0	0
12/14	0.35	08:30	2.03				0.18	0.65			1.21	OK	0	0
12/15	0	22:00	2.07				0.28	0.68			1.11	OK	0	0
12/16	0	14:15	2.05				0.20	0.68			1.17	OK	0	0
12/17	0.37	12:45	2.09				0.21	0.71			1.17	OK	0	0
12/18	0	14:00	2.09				0.24	0.72			1.13	OK	0	0
12/19	0	14:45	2.16				0.23	0.79			1.14	OK	0	0
12/20	0	17:15	2.16				0.20	0.71			1.25	OK	0	0
12/21	0	18:00	2.23				0.20	0.77			1.25	OK	0	0
12/22	0	14:30	2.24				0.26	0.79			1.19	OK	0	0
12/23	0	07:45	2.05				0.26	0.61			1.18	OK	0	0
12/24	0.53	13:45	2.46				0.24	0.91			1.31	OK	0	0
12/25	0.93	12:45	3.32				0.43	1.29			1.60	OK	0	0
12/26	0	11:30	2.69				0.32	1.00			1.37	OK	0	0
12/27	0	11:15	2.49				0.27	0.87			1.36	OK	0	0
12/28	0	11:30	2.39				0.23	0.87			1.29	OK	0	0
12/29	0	21:00	2.27				0.23	0.76			1.28	OK	0	0
12/30	0	14:15	2.30				0.15	0.84			1.31	OK	0	0
12/31	0.59	15:15	2.51				0.27	0.94			1.29	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							
			RV18	RV19										
12/01	0	00:00	1.41	0.45							1.86	OK	0	0
12/02	0	09:30	1.14	0.53							1.67	OK	0	0
12/03	0	09:45	1.10	0.54							1.64	OK	0	0
12/04	0.17	09:15	1.13	0.55							1.68	OK	0	0
12/05	0.98	11:15	1.55	0.75							2.30	OK	0	0
12/06	0	12:15	1.18	0.66							1.84	OK	0	0
12/07	0	09:45	1.16	0.52							1.68	OK	0	0
12/08	0	09:30	1.10	0.55							1.65	OK	0	0
12/09	0.04	21:00	1.09	0.78							1.87	OK	0	0
12/10	0	09:30	1.09	0.52							1.62	OK	0	0
12/11	0	09:00	1.01	0.55							1.56	OK	0	0
12/12	0	12:30	1.11	0.56							1.67	OK	0	0
12/13	0	12:15	1.14	0.56							1.70	OK	0	0
12/14	0.35	20:30	1.19	0.52							1.71	OK	0	0
12/15	0	08:45	1.17	0.57							1.74	OK	0	0
12/16	0	09:15	1.23	0.52							1.75	OK	0	0
12/17	0.37	20:15	1.22	0.53							1.75	OK	0	0
12/18	0	09:45	1.20	0.55							1.75	OK	0	0
12/19	0	11:45	1.05	0.55							1.60	OK	0	0
12/20	0	12:30	1.17	0.58							1.75	OK	0	0
12/21	0	09:00	1.22	0.50							1.72	OK	0	0
12/22	0	20:45	1.27	0.52							1.79	OK	0	0
12/23	0	10:45	1.31	0.55							1.86	OK	0	0
12/24	0.53	23:45	1.18	0.73							1.91	OK	0	0
12/25	0.93	13:15	2.01	0.70							2.72	OK	0	0
12/26	0	13:45	1.35	0.61							1.96	OK	0	0
12/27	0	13:15	1.27	0.62							1.89	OK	0	0
12/28	0	12:30	1.11	0.56							1.68	OK	0	0
12/29	0	12:30	1.09	0.53							1.61	OK	0	0
12/30	0	11:30	1.03	0.50							1.53	OK	0	0
12/31	0.59	11:00	1.34	0.68							2.02	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	00:00	5.11						5.11	Exceedance	3:30	0.07311	
12/02	0	10:30	3.94						3.94	OK	0	0	
12/03	0	11:15	2.96						2.96	OK	0	0	
12/04	0.17	14:00	3.15						3.15	OK	0	0	
12/05	0.98	14:00	4.54						4.54	Exceedance	5:45	0.04896	
12/06	0	12:45	3.52						3.52	OK	0	0	
12/07	0	20:15	3.23						3.23	OK	0	0	
12/08	0	10:45	3.03						3.03	OK	0	0	
12/09	0.04	21:15	2.97						2.97	OK	0	0	
12/10	0	22:30	3.01						3.01	OK	0	0	
12/11	0	13:45	2.82						2.82	OK	0	0	
12/12	0	13:30	3.06						3.06	OK	0	0	
12/13	0	12:45	3.21						3.21	OK	0	0	
12/14	0.35	21:00	3.10						3.10	OK	0	0	
12/15	0	11:45	2.84						2.84	OK	0	0	
12/16	0	10:30	2.81						2.81	OK	0	0	
12/17	0.37	21:45	2.93						2.93	OK	0	0	
12/18	0	12:45	2.89						2.89	OK	0	0	
12/19	0	13:45	3.10						3.10	OK	0	0	
12/20	0	13:45	3.12						3.12	OK	0	0	
12/21	0	22:00	3.10						3.10	OK	0	0	
12/22	0	20:30	3.24						3.24	OK	0	0	
12/23	0	20:30	3.15						3.15	OK	0	0	
12/24	0.53	15:15	3.45						3.45	OK	0	0	
12/25	0.93	15:15	5.69						5.69	Exceedance	22:30	0.77909	
12/26	0	14:45	4.46						4.46	Exceedance	5:45	0.03403	
12/27	0	14:00	3.98						3.98	OK	0	0	
12/28	0	13:45	3.51						3.51	OK	0	0	
12/29	0	12:30	3.23						3.23	OK	0	0	
12/30	0	13:30	3.17						3.17	OK	0	0	
12/31	0.59	13:30	3.95						3.95	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							
			RV04	RV05	RV06	RV09	RV18 (-45 min)	RV19 (-30 min)						
12/01	0	00:00	0.50	0.76	0.44	8.98	1.60	0.46			8.62	OK	0	0
12/02	0	10:00	0.48	0.58	0.30	5.59	1.11	0.53			5.29	OK	0	0
12/03	0	10:30	0.32	0.53	0.21	5.06	1.10	0.44			4.59	OK	0	0
12/04	0.17	21:00	0.42	0.51	0.20	4.86	1.02	0.45			4.51	OK	0	0
12/05	0.98	12:00	0.48	0.84	0.31	8.95	1.55	0.68			8.35	OK	0	0
12/06	0	13:00	0.51	0.64	0.24	6.52	1.18	0.59			6.14	OK	0	0
12/07	0	10:00	0.47	0.59	0.21	5.61	1.13	0.49			5.27	OK	0	0
12/08	0	10:30	0.39	0.53	0.15	5.17	1.06	0.47			4.71	OK	0	0
12/09	0.04	20:45	0.36	0.54	0.15	4.99	1.09	0.52			4.42	OK	0	0
12/10	0	09:45	0.38	0.53	0.15	4.71	1.05	0.46			4.25	OK	0	0
12/11	0	11:15	0.41	0.47	0.12	4.50	1.04	0.37			4.09	OK	0	0
12/12	0	13:45	0.32	0.52	0.18	4.95	1.08	0.46			4.43	OK	0	0
12/13	0	14:00	0.39	0.43	0.16	5.00	1.17	0.46			4.35	OK	0	0
12/14	0.35	20:00	0.44	0.48	0.17	5.07	1.18	0.44			4.54	OK	0	0
12/15	0	21:30	0.33	0.42	0.13	4.72	1.21	0.46			3.94	OK	0	0
12/16	0	20:15	0.40	0.44	0.13	4.36	0.99	0.41			3.93	OK	0	0
12/17	0.37	21:15	0.31	0.48	0.14	4.90	1.16	0.47			4.21	OK	0	0
12/18	0	11:30	0.29	0.49	0.20	4.63	1.05	0.45			4.11	OK	0	0
12/19	0	13:00	0.32	0.45	0.16	5.08	1.05	0.53			4.44	OK	0	0
12/20	0	14:00	0.36	0.51	0.15	4.85	1.16	0.44			4.26	OK	0	0
12/21	0	20:30	0.43	0.53	0.15	5.07	1.18	0.50			4.51	OK	0	0
12/22	0	21:00	0.45	0.58	0.14	5.56	1.20	0.43			5.11	OK	0	0
12/23	0	11:30	0.39	0.57	0.14	5.43	1.31	0.46			4.75	OK	0	0
12/24	0.53	15:00	0.50	0.63	0.18	6.17	1.20	0.49			5.79	OK	0	0
12/25	0.93	13:30	0.60	1.12	0.35	10.87	1.95	0.71			10.28	OK	0	0
12/26	0	13:00	0.48	0.80	0.27	7.53	1.31	0.55			7.22	OK	0	0
12/27	0	13:30	0.43	0.70	0.21	6.47	1.24	0.54			6.03	OK	0	0
12/28	0	12:45	0.47	0.57	0.15	5.79	1.12	0.50			5.36	OK	0	0
12/29	0	13:30	0.44	0.59	0.18	5.47	1.08	0.47			5.13	OK	0	0
12/30	0	12:45	0.43	0.58	0.14	5.29	1.02	0.43			4.99	OK	0	0
12/31	0.59	12:45	0.40	0.71	0.23	7.31	1.35	0.56			6.74	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										
12/01	0	00:00	2.33						2.33	OK	0	0	
12/02	0	09:45	1.41						1.41	OK	0	0	
12/03	0	10:00	1.18						1.18	OK	0	0	
12/04	0.17	20:45	1.07						1.07	OK	0	0	
12/05	0.98	12:15	4.63						4.63	Exceedance	6:30	0.10475	
12/06	0	13:30	2.14						2.14	OK	0	0	
12/07	0	09:30	1.53						1.53	OK	0	0	
12/08	0	00:00	1.25						1.25	OK	0	0	
12/09	0.04	10:30	1.11						1.11	OK	0	0	
12/10	0	21:15	1.03						1.03	OK	0	0	
12/11	0	10:15	0.96						0.96	OK	0	0	
12/12	0	14:00	1.09						1.09	OK	0	0	
12/13	0	12:45	1.13						1.13	OK	0	0	
12/14	0.35	21:00	1.08						1.08	OK	0	0	
12/15	0	12:45	0.91						0.91	OK	0	0	
12/16	0	21:15	0.93						0.93	OK	0	0	
12/17	0.37	20:00	1.06						1.06	OK	0	0	
12/18	0	10:00	0.97						0.97	OK	0	0	
12/19	0	13:00	1.09						1.09	OK	0	0	
12/20	0	12:45	1.09						1.09	OK	0	0	
12/21	0	21:00	1.16						1.16	OK	0	0	
12/22	0	19:45	1.54						1.54	OK	0	0	
12/23	0	10:15	1.35						1.35	OK	0	0	
12/24	0.53	23:45	1.98						1.98	OK	0	0	
12/25	0.93	13:45	5.31						5.31	Exceedance	17:30	0.71578	
12/26	0	12:30	2.37						2.37	OK	0	0	
12/27	0	13:15	1.92						1.92	OK	0	0	
12/28	0	14:00	1.49						1.49	OK	0	0	
12/29	0	13:15	1.22						1.22	OK	0	0	
12/30	0	13:15	1.16						1.16	OK	0	0	
12/31	0.59	12:00	2.04						2.04	OK	0	0	

TOTAL

Total

AVERAGE PEAK FLOW