

Friday, May 12, 2017

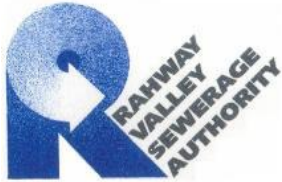
Re: Flow Rights Utilization Report - April 2017

Attached for your use please find Flow Rights Utilization Report for April 2017, for which the results are summarized below. The last column indicates the total 2017 measuring year flow rights exceedances for each municipality.

Member	Flow Rights (MGD)	Current Month		Billing Cycle 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 2017 Measuring Year
		Clark	4.95	1.19	10.07	1.04	13.39
Cranford	9.19	3.79	15.32	2.09	15.32	3	5
Garwood	4.19	0.91	3.35	0.71	3.54	0	0
Kenilworth	2.75	1.52	4.12	1.20	4.75	1	6
Mountainside	3.15	0.93	2.30	0.82	2.48	0	0
Rahway	17.26	8.29	30.43	5.82	30.43	3	7
Roselle Park	1.94	0.50	1.96	0.41	1.96	1	2
Scotch Plains	4.73	1.38	3.33	1.12	4.89	0	1
Springfield	3.89	2.44	5.54	2.21	5.54	3	7
Westfield	10.94	4.96	14.23	3.58	14.95	2	3
Woodbridge	3.49	1.27	3.38	0.86	3.42	0	0

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.



FLOW RIGHTS UTILIZATION REPORT

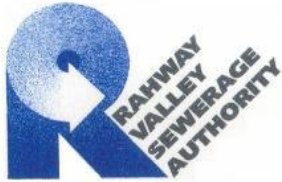
Month/Year
 MEMBER
 FORMULA

FLOW RIGHTS AVAILABLE (mgd)
 No. OF VIOLATIONS THIS MONTH
 MAX. FLOW

Day of Month	Time of Day	Rainfall at Meter 01+14 (in)	METER NO.							Flow Rights Utilization (mgd)	STATUS
			PEAK FLOW RATE (mgd)								
			RV11	RV10	RV09	RV17					
1	5:00 AM	0.03	39.02	18.72	11.04	0.81				10.07	Violation
2	11:15 AM	0	24.64	12.26	8.49	0.97				4.85	OK
3	1:00 PM	0	20.93	11.03	5.69	0.47				4.68	OK
4	7:30 AM	0.89	34.57	17.08	8.79	0.78				9.49	Violation
5	12:00 AM	0	26.43	14.72	7.66	0.51				4.56	OK
6	6:45 PM	0.84	35.90	20.26	8.88	0.90				7.66	Violation
7	4:45 AM	0	30.18	15.30	8.10	0.59				7.38	Violation
8	9:15 AM	0	21.78	10.81	6.86	0.79				4.90	OK
9	12:15 AM	0	20.18	10.32	5.77	0.60				4.69	OK
10	2:30 PM	0	19.26	9.43	5.71	0.64				4.76	OK
11	9:30 AM	0	17.49	9.07	5.47	0.61				3.56	OK
12	1:15 PM	0.01	18.86	9.49	5.29	0.46				4.54	OK
13	9:30 PM	0	16.84	8.51	4.76	0.68				4.26	OK
14	6:15 PM	0	15.34	7.90	4.36	0.62				3.69	OK
15	3:15 PM	0	17.84	9.10	4.96	0.55				4.32	OK
16	4:15 PM	0	17.21	8.56	4.84	0.80				4.61	OK
17	4:30 PM	0	16.23	7.93	4.42	0.73				4.60	OK
18	11:30 AM	0	16.88	8.71	4.78	0.62				4.01	OK
19	12:00 PM	0	15.91	8.66	4.01	0.54				3.78	OK
20	11:45 AM	0.04	17.41	9.11	4.70	0.55				4.16	OK
21	11:00 PM	0.11	15.02	7.67	4.00	0.53				3.88	OK
22	9:15 PM	0.05	15.27	7.89	4.12	0.68				3.93	OK
23	3:45 PM	0	16.18	8.42	4.48	0.78				4.07	OK
24	11:30 PM	0	14.56	7.38	4.28	0.60				3.51	OK
25	10:00 PM	0.77	20.34	10.15	6.64	0.69				4.24	OK
26	1:30 AM	0.08	18.32	10.10	5.14	0.73				3.80	OK
27	12:00 AM	0	17.59	9.49	4.57	0.68				4.22	OK
28	2:45 PM	0.01	15.66	8.51	4.50	0.64				3.29	OK
29	4:15 PM	0.43	17.08	9.22	5.18	0.66				3.34	OK
30	2:30 PM	0	16.44	8.83	4.55	0.70				3.77	OK

TOTAL

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

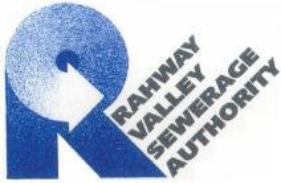
Month/Year
 MEMBER
 FORMULA

FLOW RIGHTS AVAILABLE (mgd)
 No. OF VIOLATIONS THIS MONTH
 MAX. FLOW

Day of Month	Time of Day	Rainfall at Meter 01+14 (in)	METER NO.							Flow Rights Utilization (mgd)	STATUS	
			PEAK FLOW RATE (mgd)									
			RV10	RV13	RV02	RV03	RV29	RV30				
1	3:15 AM	0.03	27.36	2.52	7.43	4.90	2.50	0.27			15.32	Violation
2	12:30 AM	0	15.66	1.16	5.02	2.12	1.72	0.22			8.18	OK
3	1:00 AM	0	13.32	1.00	4.12	1.92	1.39	0.20			7.09	OK
4	10:45 AM	0.89	23.58	1.51	6.41	3.37	2.39	0.33			13.25	Violation
5	11:30 AM	0	16.90	1.18	5.45	2.38	1.82	0.25			8.68	OK
6	10:00 PM	0.84	25.78	2.12	6.78	4.20	2.44	0.32			14.81	Violation
7	12:00 AM	0	18.25	1.68	6.13	3.29	2.24	0.30			8.56	OK
8	3:45 PM	0	15.31	1.14	4.98	2.11	1.87	0.24			7.73	OK
9	2:00 PM	0	13.25	1.17	4.69	2.01	1.12	0.24			6.84	OK
10	12:30 AM	0	11.72	0.88	3.95	1.80	1.11	0.20			5.94	OK
11	3:45 PM	0	11.12	0.92	3.86	1.52	1.11	0.22			5.77	OK
12	12:00 AM	0.01	11.23	0.80	3.92	1.59	1.04	0.22			5.69	OK
13	11:45 AM	0	11.50	0.95	4.43	1.86	1.18	0.23			5.20	OK
14	10:30 PM	0	11.01	0.89	3.93	1.65	1.04	0.19			5.47	OK
15	2:00 PM	0	11.60	0.95	4.21	1.66	1.25	0.24			5.67	OK
16	6:45 PM	0	10.41	0.80	3.62	1.45	0.89	0.18			5.43	OK
17	9:00 PM	0	10.51	0.78	4.00	1.74	1.07	0.21			4.69	OK
18	12:00 AM	0	10.99	0.71	4.00	1.46	0.86	0.18			5.56	OK
19	3:45 PM	0	9.91	0.72	3.38	1.45	1.13	0.20			4.87	OK
20	1:45 AM	0.04	8.68	0.58	2.94	1.17	0.77	0.12			4.51	OK
21	2:30 PM	0.11	10.09	0.64	3.78	1.39	0.82	0.19			4.93	OK
22	4:00 PM	0.05	9.85	0.66	3.86	1.53	0.86	0.18			4.43	OK
23	9:15 PM	0	10.80	0.76	3.90	1.87	0.93	0.20			5.06	OK
24	10:30 PM	0	10.49	0.72	3.96	1.83	0.91	0.19			4.71	OK
25	11:45 PM	0.77	13.43	0.97	4.82	2.47	1.38	0.17			5.90	OK
26	12:30 AM	0.08	12.70	0.90	4.49	2.15	1.26	0.18			5.88	OK
27	1:30 AM	0	9.02	0.62	2.85	1.22	1.08	0.15			4.65	OK
28	12:00 AM	0.01	9.92	0.66	3.68	1.57	1.02	0.15			4.46	OK
29	12:45 PM	0.43	11.59	0.89	4.42	2.21	1.08	0.23			5.00	OK
30	3:15 PM	0	10.51	0.70	3.56	1.85	1.15	0.21			4.86	OK

TOTAL

AVERAGE PEAK FLOW	13.22	1.00	4.42	2.06	1.31	0.21			3.79
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FLOW RIGHTS UTILIZATION REPORT

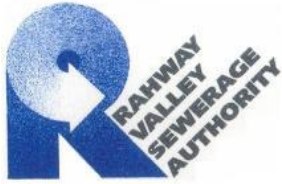
Month/Year
 MEMBER
 FORMULA

FLOW RIGHTS AVAILABLE (mgd)
 No. OF VIOLATIONS THIS MONTH
 MAX. FLOW

Day of Month	Time of Day	Rainfall at Meter 01+14 (in)	METER NO.							Flow Rights Utilization (mgd)	STATUS
			PEAK FLOW RATE (mgd)								
			RV03	RV04	RV05	RV06					
1	12:00 AM	0.03	5.45	0.68	0.84	0.58				3.35	OK
2	2:00 AM	0	2.50	0.20	0.51	0.24				1.56	OK
3	8:45 PM	0	2.34	0.20	0.59	0.22				1.33	OK
4	7:45 AM	0.89	4.34	0.55	0.55	0.46				2.78	OK
5	8:00 AM	0	2.82	0.36	0.59	0.41				1.46	OK
6	5:00 PM	0.84	4.20	0.31	0.72	0.46				2.72	OK
7	9:45 AM	0	3.29	0.25	0.55	0.43				2.05	OK
8	1:45 PM	0	2.62	0.25	0.29	0.35				1.73	OK
9	8:30 PM	0	2.44	0.35	0.33	0.32				1.44	OK
10	7:30 PM	0	2.13	0.21	0.39	0.36				1.17	OK
11	9:45 PM	0	2.41	0.40	0.37	0.31				1.33	OK
12	6:45 PM	0.01	1.80	0.14	0.36	0.18				1.12	OK
13	7:45 AM	0	1.89	0.18	0.36	0.19				1.16	OK
14	6:15 PM	0	1.89	0.19	0.32	0.18				1.21	OK
15	4:00 PM	0	1.74	0.22	0.32	0.19				1.01	OK
16	11:00 PM	0	2.09	0.31	0.34	0.20				1.24	OK
17	11:00 PM	0	2.09	0.23	0.40	0.22				1.24	OK
18	9:15 PM	0	2.19	0.41	0.42	0.20				1.16	OK
19	10:00 PM	0	1.88	0.25	0.38	0.16				1.09	OK
20	10:15 AM	0.04	1.90	0.27	0.38	0.20				1.04	OK
21	11:15 PM	0.11	1.70	0.20	0.27	0.17				1.05	OK
22	3:00 PM	0.05	1.97	0.22	0.32	0.20				1.24	OK
23	7:45 PM	0	2.04	0.32	0.42	0.20				1.11	OK
24	10:45 PM	0	2.02	0.20	0.43	0.18				1.20	OK
25	10:30 PM	0.77	2.85	0.33	0.64	0.22				1.66	OK
26	8:30 AM	0.08	2.66	0.36	0.61	0.20				1.50	OK
27	10:00 PM	0	2.08	0.23	0.34	0.22				1.29	OK
28	9:00 AM	0.01	2.03	0.28	0.41	0.16				1.18	OK
29	3:00 PM	0.43	2.39	0.24	0.38	0.20				1.56	OK
30	12:15 PM	0	2.13	0.23	0.43	0.27				1.20	OK

TOTAL

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

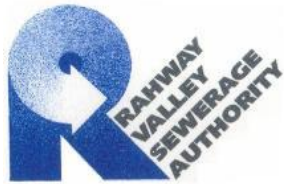
Month/Year
 MEMBER
 FORMULA

FLOW RIGHTS AVAILABLE (mgd)
 No. OF VIOLATIONS THIS MONTH
 MAX. FLOW

Day of Month	Time of Day	Rainfall at Meter 01+14 (in)	METER NO.							Flow Rights Utilization (mgd)	STATUS
			PEAK FLOW RATE (mgd)								
			RV02	RV07	RV01	RV20					
1	12:15 AM	0.03	9.35	1.74	4.67	2.30				4.12	Violation
2	9:30 AM	0	5.37	0.98	2.80	0.92				2.63	OK
3	7:15 PM	0	4.82	0.89	2.12	0.94				2.65	OK
4	2:45 AM	0.89	4.45	0.89	1.90	0.73				2.70	OK
5	4:30 PM	0	5.66	0.86	2.62	1.22				2.67	OK
6	1:15 PM	0.84	5.39	0.96	2.45	1.22				2.68	OK
7	1:15 PM	0	5.92	1.12	3.04	1.31				2.68	OK
8	4:00 PM	0	5.99	0.91	3.12	1.12				2.66	OK
9	9:15 PM	0	5.18	0.94	2.42	1.12				2.58	OK
10	3:30 PM	0	5.07	0.87	2.25	1.07				2.63	OK
11	11:00 PM	0	4.82	0.89	2.28	0.98				2.46	OK
12	11:45 PM	0.01	4.58	0.94	2.06	0.97				2.49	OK
13	2:15 PM	0	4.84	0.96	2.28	1.14				2.38	OK
14	2:30 PM	0	4.55	0.86	2.01	0.97				2.43	OK
15	10:15 AM	0	4.58	0.78	2.06	0.95				2.34	OK
16	11:00 AM	0	4.74	0.95	2.36	1.05				2.28	OK
17	6:15 PM	0	4.21	0.96	1.88	0.79				2.50	OK
18	9:30 PM	0	4.38	0.78	1.99	0.98				2.19	OK
19	6:30 PM	0	4.30	0.87	2.04	0.85				2.28	OK
20	9:00 AM	0.04	4.64	0.79	2.21	1.01				2.21	OK
21	8:00 PM	0.11	4.36	0.73	2.14	0.89				2.06	OK
22	12:15 PM	0.05	4.91	0.71	2.53	1.00				2.09	OK
23	3:00 PM	0	4.66	0.71	2.46	0.89				2.03	OK
24	8:15 PM	0	4.39	0.73	2.11	0.89				2.12	OK
25	9:30 PM	0.77	4.97	1.00	2.22	1.38				2.37	OK
26	12:00 AM	0.08	5.92	0.86	2.72	1.38				2.68	OK
27	10:00 AM	0	5.23	0.74	2.05	1.34				2.58	OK
28	9:45 PM	0.01	4.82	0.70	2.24	0.99				2.29	OK
29	12:15 PM	0.43	4.96	0.78	2.02	1.11				2.60	OK
30	12:15 PM	0	4.80	0.78	1.83	1.01				2.74	OK

TOTAL

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

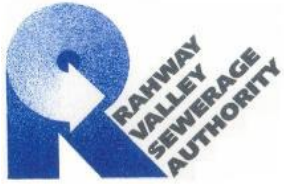
Month/Year
 MEMBER
 FORMULA

FLOW RIGHTS AVAILABLE (mgd)
 No. OF VIOLATIONS THIS MONTH
 MAX. FLOW

Day of Month	Time of Day	Rainfall at Meter 01+14 (in)	METER NO.							Flow Rights Utilization (mgd)	STATUS	
			PEAK FLOW RATE (mgd)									
			RV14	RV31	RV11	RV13	RV15	RV17				
1	7:30 AM	0.03	60.01	7.69	31.40	2.47	2.73	0.68			30.43	Violation
2	4:15 PM	0	39.63	0.00	19.23	1.20	1.37	0.69			17.14	OK
3	4:00 AM	0	32.71	0.00	14.43	0.98	1.16	0.54			15.61	OK
4	8:00 AM	0.89	54.77	2.44	28.44	1.75	1.20	0.81			25.00	Violation
5	1:45 AM	0	40.61	0.00	20.25	1.17	1.44	0.77			16.99	OK
6	11:30 PM	0.84	49.42	2.53	30.96	1.80	1.76	0.54			16.88	OK
7	2:45 AM	0	53.93	0.00	25.19	1.34	2.77	0.95			23.68	Violation
8	1:00 PM	0	42.94	0.43	23.34	1.15	1.30	0.84			16.74	OK
9	9:45 PM	0	34.64	0.19	16.14	1.13	2.18	0.64			14.74	OK
10	2:30 AM	0	31.60	0.57	14.08	0.84	0.81	0.48			15.95	OK
11	1:15 AM	0	29.70	0.00	14.37	0.80	1.38	0.63			12.52	OK
12	12:30 PM	0.01	30.96	0.36	17.19	0.92	1.36	0.64			11.22	OK
13	12:30 AM	0	29.33	0.53	13.81	0.85	0.95	0.38			13.88	OK
14	3:15 AM	0	23.64	0.00	10.21	0.54	0.46	0.24			12.20	OK
15	4:00 PM	0	27.22	0.36	15.01	0.85	1.01	0.63			10.07	OK
16	3:30 PM	0	28.72	0.51	15.13	0.86	0.79	0.61			11.84	OK
17	12:00 AM	0	25.90	0.37	13.62	0.73	0.83	0.42			10.67	OK
18	10:15 AM	0	26.60	0.71	14.38	0.70	1.00	0.74			10.49	OK
19	12:30 AM	0	24.07	7.73	13.89	0.60	0.90	0.54			15.87	OK
20	1:00 PM	0.04	26.34	5.75	15.45	0.79	1.28	0.65			13.93	OK
21	1:30 PM	0.11	25.66	1.57	14.97	0.68	0.98	0.72			9.89	OK
22	10:45 PM	0.05	26.26	0.00	12.09	0.65	0.94	0.38			12.20	OK
23	11:45 PM	0	26.80	0.00	13.69	0.61	0.88	0.59			11.03	OK
24	12:15 PM	0	25.71	0.00	12.69	0.84	0.95	0.42			10.80	OK
25	11:15 PM	0.77	40.01	1.94	21.01	0.97	2.54	0.71			16.73	OK
26	1:30 AM	0.08	36.37	1.19	18.32	0.79	2.61	0.73			15.12	OK
27	10:30 PM	0	28.79	3.35	14.60	0.90	1.64	0.61			14.39	OK
28	12:00 AM	0.01	28.38	4.62	13.68	0.66	1.21	0.47			16.98	OK
29	8:45 AM	0.43	28.12	0.00	11.71	0.75	2.29	0.38			13.00	OK
30	3:00 AM	0	24.31	0.00	9.78	0.60	0.75	0.37			12.81	OK

TOTAL

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

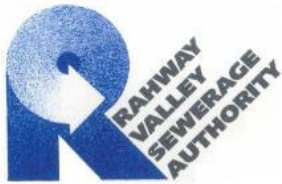
Month/Year
 MEMBER
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FLOW RIGHTS AVAILABLE (mgd)
 No. OF VIOLATIONS THIS MONTH
 MAX. FLOW

Day of Month	Time of Day	Rainfall at Meter 01+14 (in)	METER NO.							Flow Rights Utilization (mgd)	STATUS
			PEAK FLOW RATE (mgd)								
			RV29	RV30	RV07						
1	1:15 AM	0.03	4.13	0.43	1.74					1.96	Violation
2	6:30 AM	0	2.57	0.21	0.87					1.49	OK
3	5:15 AM	0	2.30	0.18	0.75					1.37	OK
4	3:00 AM	0.89	3.03	0.28	0.94					1.81	OK
5	7:45 PM	0	2.61	0.30	0.95					1.36	OK
6	7:45 PM	0.84	3.69	0.42	1.41					1.86	OK
7	2:45 AM	0	2.84	0.27	1.10					1.48	OK
8	7:15 AM	0	2.46	0.24	0.82					1.40	OK
9	12:30 PM	0	2.70	0.36	0.95					1.40	OK
10	2:45 PM	0	2.38	0.20	0.81					1.37	OK
11	12:30 AM	0	2.28	0.21	0.71					1.36	OK
12	2:15 AM	0.01	1.91	0.17	0.65					1.09	OK
13	10:00 AM	0	2.30	0.24	0.80					1.26	OK
14	11:45 PM	0	2.02	0.18	0.62					1.21	OK
15	11:00 PM	0	2.10	0.22	0.76					1.13	OK
16	8:45 AM	0	2.07	0.16	0.78					1.13	OK
17	10:45 PM	0	2.13	0.21	0.64					1.28	OK
18	9:15 AM	0	2.19	0.21	0.77					1.21	OK
19	11:30 AM	0	1.92	0.14	0.68					1.11	OK
20	12:30 AM	0.04	1.71	0.16	0.59					0.95	OK
21	8:30 PM	0.11	1.92	0.18	0.73					1.01	OK
22	7:30 AM	0.05	1.66	0.15	0.50					1.02	OK
23	11:00 AM	0	2.02	0.22	0.72					1.07	OK
24	9:45 PM	0	2.05	0.20	0.69					1.15	OK
25	2:00 PM	0.77	2.04	0.18	0.71					1.15	OK
26	6:30 PM	0.08	2.09	0.21	0.73					1.16	OK
27	10:15 AM	0	2.14	0.22	0.69					1.23	OK
28	9:30 AM	0.01	2.28	0.19	0.72					1.37	OK
29	8:15 AM	0.43	2.00	0.16	0.62					1.21	OK
30	12:30 AM	0	1.82	0.14	0.54					1.14	OK

TOTAL

AVERAGE PEAK FLOW



FLOW RIGHTS UTILIZATION REPORT

Month/Year
 MEMBER
 FORMULA

FLOW RIGHTS AVAILABLE (mgd)
 No. OF VIOLATIONS THIS MONTH
 MAX. FLOW

Day of Month	Time of Day	Rainfall at Meter 01+14 (in)	METER NO.							Flow Rights Utilization (mgd)	STATUS	
			PEAK FLOW RATE (mgd)									
			RV09	RV04	RV05	RV06	RV18	RV19				
1	1:15 AM	0.03	14.90	0.59	1.02	0.49	2.15	0.61			14.23	Violation
2	12:00 PM	0	8.92	0.55	0.72	0.44	1.39	0.76			8.47	OK
3	9:15 AM	0	7.90	0.32	0.68	0.30	1.23	0.50			7.48	OK
4	9:00 AM	0.89	10.41	0.45	0.49	0.44	1.66	0.69			9.44	OK
5	10:00 PM	0	9.88	0.33	0.72	0.46	1.19	0.52			9.66	OK
6	9:30 PM	0.84	12.31	0.53	0.94	0.49	1.16	0.69			12.41	Violation
7	12:00 AM	0	10.64	0.51	0.72	0.42	1.25	0.54			10.49	OK
8	2:00 PM	0	7.81	0.46	0.64	0.46	0.93	0.48			7.97	OK
9	11:15 AM	0	7.18	0.33	0.58	0.42	0.78	0.63			7.11	OK
10	9:45 AM	0	6.71	0.23	0.53	0.32	0.80	0.57			6.41	OK
11	10:30 AM	0	6.32	0.28	0.44	0.29	0.72	0.51			6.10	OK
12	11:45 AM	0.01	5.70	0.26	0.36	0.25	0.76	0.31			5.51	OK
13	11:00 AM	0	5.75	0.30	0.41	0.18	0.88	0.46			5.30	OK
14	11:45 AM	0	5.58	0.30	0.53	0.20	0.88	0.52			5.21	OK
15	1:30 PM	0	5.97	0.32	0.41	0.18	0.90	0.46			5.53	OK
16	12:30 PM	0	6.23	0.27	0.54	0.20	0.89	0.50			5.85	OK
17	10:45 PM	0	5.73	0.37	0.47	0.20	0.79	0.33			5.64	OK
18	9:15 AM	0	5.90	0.25	0.51	0.17	1.00	0.55			5.28	OK
19	10:30 AM	0	5.47	0.32	0.40	0.15	0.84	0.45			5.05	OK
20	9:45 PM	0.04	5.42	0.29	0.44	0.20	0.93	0.20			5.23	OK
21	10:00 AM	0.11	5.43	0.23	0.52	0.15	0.89	0.36			5.08	OK
22	12:45 PM	0.05	5.57	0.27	0.46	0.24	0.99	0.37			5.18	OK
23	2:15 PM	0	5.44	0.35	0.33	0.29	0.96	0.51			4.93	OK
24	9:30 AM	0	5.34	0.25	0.52	0.19	1.19	0.25			4.85	OK
25	10:45 PM	0.77	7.63	0.44	0.55	0.28	1.00	0.54			7.36	OK
26	12:00 AM	0.08	6.88	0.28	0.42	0.20	0.93	0.43			6.43	OK
27	9:30 AM	0	5.98	0.35	0.41	0.17	1.20	0.49			5.21	OK
28	9:30 AM	0.01	5.62	0.40	0.51	0.27	0.94	0.52			5.35	OK
29	12:30 PM	0.43	6.49	0.39	0.42	0.28	1.06	0.56			5.96	OK
30	11:30 AM	0	5.83	0.34	0.43	0.33	1.14	0.49			5.31	OK

TOTAL

AVERAGE PEAK FLOW

