



integrating design & engineering

67B Mountain Boulevard Extension
 P.O. Box 4039
 Warren, NJ 07059
 Tel 732.560.9700

January 14, 2010
 02051.0114.006

Michael J. Brinker, Jr., Executive Director
 Rahway Valley Sewerage Authority
 1050 East Hazelwood Avenue
 Rahway, New Jersey 07065

RE: Flow Rights Utilization Report

Dear Mr. Brinker:

Attached is the Flow Rights Utilization Report for December 2009, for which the results are summarized below. The last column indicates the total 2010 measuring year flow rights exceedances for each municipality.

Member	Flow Rights MGD	Average Daily Flow MGD	Highest Value MGD	No. of Days Above Limit	
				Current	Total (2010 Measuring Year)
Clark	4.71	2.96	10.00	2	5
Cranford	8.75	3.75	14.74	5	6
Garwood	3.99	0.75	4.79	1	1
Kenilworth	2.62	1.36	5.09	3	3
Mountainside	3.00	0.88	2.39	0	0
Rahway	16.44	5.07	14.25	0	1
Roselle Park	1.85	0.97	2.53	2	3
Scotch Plains	4.50	1.88	5.26	1	2
Springfield	3.70	2.65	5.99	6	33
Westfield	10.42	4.67	15.53	3	3
Woodbridge (Mtr.12)	N/A	N/A	N/A	N/A	N/A
Woodbridge (Mtr.15)	3.32	1.52	17.19	6	8
TOTAL	63.30				
Precipitation	6.54"				

The following flow events were reported for December 2009:

- Meter RV27: 12/09/2009 @ 07:25 - 12/10/2009 @ 16:00;
 12/13/2009 @ 15:30 - 12/14/2009 @ 03:20;
 12/14/2009 @ 10:00 - 12/14/2009 @ 13:30;
 12/26/2009 @ 12:30 - 12/29/2009 @ 09:25

Michael J. Brinker, Jr., Executive Director
January 14, 2010
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Should you have any questions or comments, please feel free to call.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR, LLC

A handwritten signature in black ink, appearing to be 'James R. Wancho', written over the company name.

James R. Wancho, P.E.
Vice President

Enclosure

K:\02051\0002\Correspondence\User Charge\2010\Dec 09.2.doc

RAHWAY VALLEY SEWERAGE AUTHORITY
FLOW RIGHTS UTILIZATION REPORT

MONTH/YEAR: Dec-10 FLOW RIGHTS AVAILABLE (mgd): 4.71
 MEMBER: CLARK NUMBER OF VIOLATIONS THIS MONTH: 2
 FORMULA = METER NO. 11 - 10 - 9 + 17 MAX. FLOW (mgd): 10.00

Day of Month	Daily Precip. at Mtr 16 (in.)	METER NO.					PEAK FLOW RATE (mgd.)	Flow Rights Utilization (mgd)	STATUS
		11							
		11	10	9	17	17			
1	0.00	16.69	9.95	5.49	0.66		1.91	OK	
2	0.38	17.26	10.95	5.18	0.67		1.79	OK	
3	0.52	22.59	13.21	7.16	0.79		3.01	OK	
4	0.00	19.35	11.54	5.60	1.05		3.26	OK	
5	0.42	21.12	13.51	6.32	0.76		2.04	OK	
6	0.05	21.46	12.78	6.31	0.77		3.14	OK	
7	0.00	19.05	11.86	6.16	0.72		1.75	OK	
8	0.00	18.04	11.05	5.85	0.64		1.79	OK	
9	2.22	58.11	34.95	15.19	2.03		10.00	VIOLATION	
10	0.00	30.02	19.12	8.47	0.83		3.25	OK	
11	0.00	23.53	13.67	7.06	0.70		3.51	OK	
12	0.00	23.08	13.26	6.74	0.69		3.77	OK	
13	0.80	31.89	21.18	9.24	0.99		2.46	OK	
14	0.00	25.58	15.64	7.89	0.80		2.86	OK	
15	0.00	22.33	13.62	7.06	0.75		2.40	OK	
16	0.01	21.37	13.07	6.98	0.70		2.02	OK	
17	0.00	20.38	12.13	6.67	0.65		2.23	OK	
18	0.00	21.44	12.16	6.29	0.63		3.62	OK	
19	0.00	21.70	12.53	6.30	0.66		3.52	OK	
20	0.11	21.04	12.83	6.39	0.82		2.63	OK	
21	0.21	20.35	11.95	5.91	0.70		3.19	OK	
22	0.00	19.29	11.64	6.26	0.73		2.13	OK	
23	0.00	19.92	11.69	6.16	0.71		2.78	OK	
24	0.00	20.57	13.00	6.46	0.70		1.82	OK	
25	0.09	20.66	12.23	6.00	0.74		3.17	OK	
26	0.91	38.82	25.72	12.61	1.41		1.90	OK	
27	0.58	42.93	31.40	13.36	1.69		-0.15	OK	
28	0.10	29.71	17.18	8.59	0.75		4.68	OK	
29	0.01	24.92	14.59	7.24	0.85		3.94	OK	
30	0.00	22.99	13.57	6.81	0.78		3.39	OK	
31	0.13	24.53	13.23	6.85	0.66		5.11	VIOLATION	
TOTAL									

01/14/10

RAHWAY VALLEY SEWERAGE AUTHORITY
FLOW RIGHTS UTILIZATION REPORT

MONTH/YEAR: Dec-10 FLOW RIGHTS AVAILABLE (mgd): 3.99

MEMBER: GARWOOD NUMBER OF VIOLATIONS THIS MONTH: 1

FORMULA = METER NO. 3 - 4 - 5 - 6 MAX. FLOW (mgd): 4.79

Day of Month	Daily Precip. at Mtr 16 (in.)	METER NO.						Flow Rights Utilization (mgd)	STATUS
		3	4	5	6	PEAK FLOW RATE (mgd.)			
1	0.00	2.25	0.47	0.51	0.71		0.56	OK	
2	0.38	2.35	0.48	0.57	0.65		0.65	OK	
3	0.52	2.87	0.49	0.58	0.80		1.00	OK	
4	0.00	2.30	0.52	0.49	0.82		0.48	OK	
5	0.42	2.70	0.54	0.48	1.03		0.65	OK	
6	0.05	2.53	0.49	0.57	0.93		0.54	OK	
7	0.00	2.36	0.49	0.56	0.86		0.44	OK	
8	0.00	2.24	0.44	0.49	0.87		0.45	OK	
9	2.22	10.39	1.18	1.25	3.16		4.79	VIOLATION	
10	0.00	3.56	0.66	0.66	1.21		1.03	OK	
11	0.00	2.82	0.51	0.55	1.01		0.75	OK	
12	0.00	2.52	0.46	0.56	1.00		0.50	OK	
13	0.80	4.09	0.70	0.68	1.39		1.32	OK	
14	0.00	3.38	0.63	0.58	1.06		1.10	OK	
15	0.00	2.84	0.49	0.64	0.97		0.74	OK	
16	0.01	2.49	0.52	0.53	0.88		0.56	OK	
17	0.00	2.53	0.51	0.52	0.83		0.66	OK	
18	0.00	2.50	0.45	0.47	0.82		0.76	OK	
19	0.00	2.61	0.47	0.47	0.84		0.84	OK	
20	0.11	2.43	0.47	0.46	0.85		0.65	OK	
21	0.21	2.34	0.44	0.51	0.81		0.59	OK	
22	0.00	2.41	0.45	0.48	0.77		0.71	OK	
23	0.00	2.27	0.42	0.54	0.79		0.52	OK	
24	0.00	2.36	0.45	0.48	0.86		0.58	OK	
25	0.09	2.28	0.45	0.53	0.79		0.51	OK	
26	0.91	5.77	0.68	0.98	1.91		2.19	OK	
27	0.58	6.62	0.77	1.17	2.25		2.43	OK	
28	0.10	3.81	0.53	0.68	1.34		1.27	OK	
29	0.01	2.83	0.46	0.59	1.16		0.62	OK	
30	0.00	2.64	0.43	0.51	1.05		0.65	OK	
31	0.13	2.58	0.42	0.47	1.05		0.64	OK	
TOTAL	6.54								

01/14/10

RAHWAY VALLEY SEWERAGE AUTHORITY
FLOW RIGHTS UTILIZATION REPORT

MONTH/YEAR: Dec-10 FLOW RIGHTS AVAILABLE (mgd): 2.62
 MEMBER: KENILWORTH NUMBER OF VIOLATIONS THIS MONTH: 3
 FORMULA = METER NO. 2 + 7 - 1 - 20 MAX. FLOW (mgd): 5.09

Day of Month	Daily Precip. at Mtr. 16 (in.)	METER NO.					Flow Rights Utilization (mgd)	STATUS
		PEAK FLOW RATE (mgd.)						
		2	7	1	20			
1	0.00	4.82	0.66	3.44	1.20	0.84	OK	
2	0.38	4.89	0.78	3.43	1.14	1.11	OK	
3	0.52	5.68	0.87	3.46	1.24	1.85	OK	
4	0.00	4.73	0.74	3.19	1.11	1.18	OK	
5	0.42	5.23	0.77	3.73	1.07	1.20	OK	
6	0.05	5.82	0.74	3.68	1.09	1.79	OK	
7	0.00	5.44	0.73	3.28	1.08	1.81	OK	
8	0.00	5.33	0.71	3.33	1.10	1.62	OK	
9	2.22	11.14	2.10	5.76	2.39	5.09	VIOLATION	
10	0.00	6.06	1.01	3.66	1.41	2.01	OK	
11	0.00	5.25	0.82	3.65	1.32	1.10	OK	
12	0.00	5.14	0.78	3.42	1.15	1.35	OK	
13	0.80	6.86	0.99	3.68	1.51	2.66	VIOLATION	
14	0.00	5.68	0.90	3.55	1.34	1.69	OK	
15	0.00	5.24	0.88	3.57	1.16	1.38	OK	
16	0.01	5.38	0.81	3.47	1.20	1.53	OK	
17	0.00	5.30	0.80	3.71	1.20	1.20	OK	
18	0.00	5.08	0.81	3.35	1.23	1.30	OK	
19	0.00	4.81	0.75	3.34	1.13	1.09	OK	
20	0.11	5.12	0.77	3.35	1.17	1.37	OK	
21	0.21	4.93	0.83	3.15	1.38	1.23	OK	
22	0.00	4.94	0.74	3.25	1.17	1.26	OK	
23	0.00	4.95	0.69	3.41	1.23	1.00	OK	
24	0.00	5.19	0.81	3.52	1.19	1.29	OK	
25	0.09	5.14	0.71	3.68	1.22	0.94	OK	
26	0.91	8.37	1.37	5.37	1.85	2.52	OK	
27	0.58	9.01	1.63	5.99	1.85	2.80	VIOLATION	
28	0.10	6.24	1.04	4.86	1.34	1.09	OK	
29	0.01	5.74	0.94	3.70	1.34	1.63	OK	
30	0.00	5.50	0.90	3.32	1.19	1.89	OK	
31	0.13	5.55	0.85	3.50	1.15	1.74	OK	
TOTAL	6.54						01/14/10	

RAHWAY VALLEY SEWERAGE AUTHORITY
FLOW RIGHTS UTILIZATION REPORT

MONTH/YEAR: Dec-10 FLOW RIGHTS AVAILABLE (mgd): 1.85
 MEMBER: ROSELLE PARK NUMBER OF VIOLATIONS THIS MONTH: 2
 FORMULA = METER NO. 29 - 7 - 30 MAX. FLOW (mgd): 2.53

Day of Month	Daily Precip. at Mtr 16 (in.)	METER NO.			PEAK FLOW RATE (mgd.)	Flow Rights Utilization (mgd)	STATUS
		29	7	30			
1	0.00	2.56	0.66	0.54		1.37	OK
2	0.38	2.73	0.78	0.54		1.41	OK
3	0.52	3.12	0.87	0.63		1.61	OK
4	0.00	2.61	0.74	0.58		1.28	OK
5	0.42	2.76	0.77	0.57		1.43	OK
6	0.05	2.79	0.74	0.59		1.46	OK
7	0.00	2.67	0.73	0.59		1.35	OK
8	0.00	2.50	0.71	0.56		1.23	OK
9	2.22	5.50	2.10	0.87		2.53	VIOLATION
10	0.00	3.34	1.01	1.29		1.04	OK
11	0.00	3.11	0.82	1.13		1.15	OK
12	0.00	2.80	0.78	0.64		1.38	OK
13	0.80	3.52	0.99	0.76		1.77	OK
14	0.00	3.08	0.90	0.74		1.44	OK
15	0.00	2.96	0.88	0.71		1.38	OK
16	0.01	3.01	0.81	0.62		1.58	OK
17	0.00	2.87	0.80	0.63		1.44	OK
18	0.00	2.74	0.81	0.64		1.29	OK
19	0.00	2.76	0.75	0.66		1.35	OK
20	0.11	2.91	0.77	0.64		1.50	OK
21	0.21	2.82	0.83	0.66		1.34	OK
22	0.00	2.82	0.74	0.60		1.49	OK
23	0.00	2.73	0.69	0.61		1.43	OK
24	0.00	2.88	0.81	0.69		1.39	OK
25	0.09	2.66	0.71	0.63		1.32	OK
26	0.91	3.89	1.37	0.76		1.77	OK
27	0.58	4.63	1.63	0.90		2.10	VIOLATION
28	0.10	3.44	1.04	0.77		1.63	OK
29	0.01	3.17	0.94	0.71		1.52	OK
30	0.00	3.02	0.90	0.67		1.45	OK
31	0.13	3.02	0.85	0.70		1.47	OK
TOTAL	6.54						01/14/10

RAHWAY VALLEY SEWERAGE AUTHORITY
FLOW RIGHTS UTILIZATION REPORT

MONTH/YEAR FLOW RIGHTS AVAILABLE (mgd)

MEMBER NUMBER OF VIOLATIONS THIS MONTH

FORMULA = MAX. FLOW (mgd)

Day of Month	Daily Precip. at Mtr 16 (in.)	METER NO.			Flow Rights Utilization (mgd)	STATUS
		PEAK FLOW RATE (mgd.)				
		18	19			
1	0.00	2.30	0.36		2.66	OK
2	0.38	2.28	0.37		2.65	OK
3	0.52	2.76	0.38		3.13	OK
4	0.00	2.27	0.36		2.63	OK
5	0.42	2.15	0.49		2.64	OK
6	0.05	2.29	0.35		2.64	OK
7	0.00	2.48	0.37		2.85	OK
8	0.00	2.24	0.36		2.61	OK
9	2.22	4.67	0.58		5.26	VIOLATION
10	0.00	2.76	0.48		3.24	OK
11	0.00	2.53	0.39		2.93	OK
12	0.00	2.36	0.41		2.77	OK
13	0.80	2.96	0.39		3.35	OK
14	0.00	2.67	0.41		3.08	OK
15	0.00	2.57	0.38		2.95	OK
16	0.01	2.40	0.37		2.77	OK
17	0.00	2.41	0.39		2.80	OK
18	0.00	2.34	0.36		2.71	OK
19	0.00	2.16	0.37		2.53	OK
20	0.11	2.25	0.36		2.61	OK
21	0.21	2.26	0.36		2.61	OK
22	0.00	2.30	0.38		2.68	OK
23	0.00	2.21	0.38		2.59	OK
24	0.00	2.32	0.39		2.72	OK
25	0.09	2.26	0.39		2.65	OK
26	0.91	3.78	0.48		4.25	OK
27	0.58	3.86	0.50		4.36	OK
28	0.10	2.65	0.39		3.04	OK
29	0.01	2.35	0.40		2.75	OK
30	0.00	2.30	0.40		2.70	OK
31	0.13	2.25	0.40		2.65	OK
TOTAL	6.54					01/14/10

RAHWAY VALLEY SEWERAGE AUTHORITY
FLOW RIGHTS UTILIZATION REPORT

MONTH/YEAR: Dec-10 FLOW RIGHTS AVAILABLE (mgd): 3.70
 MEMBER: SPRINGFIELD NUMBER OF VIOLATIONS THIS MONTH: 6
 FORMULA = METER NO. 1 MAX. FLOW (mgd): 5.99

Day of Month	Daily Precip. at Mtr 16 (in.)	METER NO. 1						Flow Rights Utilization (mgd)	STATUS
		PEAK FLOW RATE (mgd.)							
1	0.00	3.44					3.44	OK	
2	0.38	3.43					3.43	OK	
3	0.52	3.46					3.46	OK	
4	0.00	3.19					3.19	OK	
5	0.42	3.73					3.73	VIOLATION	
6	0.05	3.68					3.68	OK	
7	0.00	3.28					3.28	OK	
8	0.00	3.33					3.33	OK	
9	2.22	5.76					5.76	VIOLATION	
10	0.00	3.66					3.66	OK	
11	0.00	3.65					3.65	OK	
12	0.00	3.42					3.42	OK	
13	0.80	3.68					3.68	OK	
14	0.00	3.55					3.55	OK	
15	0.00	3.57					3.57	OK	
16	0.01	3.47					3.47	OK	
17	0.00	3.71					3.71	VIOLATION	
18	0.00	3.35					3.35	OK	
19	0.00	3.34					3.34	OK	
20	0.11	3.35					3.35	OK	
21	0.21	3.15					3.15	OK	
22	0.00	3.25					3.25	OK	
23	0.00	3.41					3.41	OK	
24	0.00	3.52					3.52	OK	
25	0.09	3.68					3.68	OK	
26	0.91	5.37					5.37	VIOLATION	
27	0.58	5.99					5.99	VIOLATION	
28	0.10	4.86					4.86	VIOLATION	
29	0.01	3.70					3.70	OK	
30	0.00	3.32					3.32	OK	
31	0.13	3.50					3.50	OK	
TOTAL	6.54								

01/14/10

RAHWAY VALLEY SEWERAGE AUTHORITY
FLOW RIGHTS UTILIZATION REPORT

MONTH/YEAR

Dec-10

FLOW RIGHTS AVAILABLE (mgd)

10.42

MEMBER

WESTFIELD

NUMBER OF VIOLATIONS THIS MONTH

3

FORMULA =

METER NO. 9 + 4 + 5 + 6 - 18 - 19

MAX. FLOW (mgd)

15.53

Day of Month	Daily Precip. at Mtr 16 (in.)	METER NO.								Flow Rights Utilization (mgd)	STATUS
		PEAK FLOW RATE (mgd.)									
		9	4	5	6	18	19				
1	0.00	5.49	0.47	0.51	0.71	2.30	0.36			4.52	OK
2	0.38	5.18	0.48	0.57	0.65	2.28	0.37			4.23	OK
3	0.52	7.16	0.49	0.58	0.80	2.76	0.38			5.90	OK
4	0.00	5.60	0.52	0.49	0.82	2.27	0.36			4.80	OK
5	0.42	6.32	0.54	0.48	1.03	2.15	0.49			5.73	OK
6	0.05	6.31	0.49	0.57	0.93	2.29	0.35			5.66	OK
7	0.00	6.16	0.49	0.56	0.86	2.48	0.37			5.22	OK
8	0.00	5.85	0.44	0.49	0.87	2.24	0.36			5.03	OK
9	2.22	15.19	1.18	1.25	3.16	4.67	0.58			15.53	VIOLATION
10	0.00	8.47	0.66	0.66	1.21	2.76	0.48			7.76	OK
11	0.00	7.06	0.51	0.55	1.01	2.53	0.39			6.21	OK
12	0.00	6.74	0.46	0.56	1.00	2.36	0.41			5.98	OK
13	0.80	9.24	0.70	0.68	1.39	2.96	0.39			8.66	OK
14	0.00	7.89	0.63	0.58	1.06	2.67	0.41			7.09	OK
15	0.00	7.06	0.49	0.64	0.97	2.57	0.38			6.21	OK
16	0.01	6.98	0.52	0.53	0.88	2.40	0.37			6.14	OK
17	0.00	6.67	0.51	0.52	0.83	2.41	0.39			5.74	OK
18	0.00	6.29	0.45	0.47	0.82	2.34	0.36			5.32	OK
19	0.00	6.30	0.47	0.47	0.84	2.16	0.37			5.54	OK
20	0.11	6.39	0.47	0.46	0.85	2.25	0.36			5.56	OK
21	0.21	5.91	0.44	0.51	0.81	2.26	0.36			5.04	OK
22	0.00	6.26	0.45	0.48	0.77	2.30	0.38			5.28	OK
23	0.00	6.16	0.42	0.54	0.79	2.21	0.38			5.33	OK
24	0.00	6.46	0.45	0.48	0.86	2.32	0.39			5.53	OK
25	0.09	6.00	0.45	0.53	0.79	2.26	0.39			5.13	OK
26	0.91	12.61	0.68	0.98	1.91	3.78	0.50			11.94	VIOLATION
27	0.58	13.36	0.77	1.17	2.25	3.86	0.50			13.19	VIOLATION
28	0.10	8.59	0.53	0.68	1.34	2.65	0.39			8.09	OK
29	0.01	7.24	0.46	0.59	1.16	2.35	0.40			6.70	OK
30	0.00	6.81	0.43	0.51	1.05	2.30	0.40			6.11	OK
31	0.13	6.85	0.42	0.47	1.05	2.25	0.40			6.13	OK
TOTAL		6.54									

01/14/10

RAHWAY VALLEY SEWERAGE AUTHORITY
FLOW RIGHTS UTILIZATION REPORT

MONTH/YEAR

Dec-10

FLOW RIGHTS AVAILABLE (mgd)

3.32

MEMBER

WOODBIDGE

NUMBER OF VIOLATIONS THIS MONTH

6

FORMULA =

METER NO. 15

MAX. FLOW (mgd)

7.19

Day of Month	Daily Precip. at Mtr 16 (in.)	METER NO.				Flow Rights Utilization (mgd)	STATUS
		PEAK FLOW RATE (mgd.)					
		15	12				
1	0.00	1.07	7.62			1.07	OK
2	0.38	1.03	6.74			1.03	OK
3	0.52	2.13	9.69			2.13	OK
4	0.00	1.63	7.97			1.63	OK
5	0.42	1.97	9.48			1.97	OK
6	0.05	2.00	9.79			2.00	OK
7	0.00	1.66	8.64			1.66	OK
8	0.00	1.59	7.25			1.59	OK
9	2.22	6.51	17.39			6.51	VIOLATION
10	0.00	3.52	13.44			3.52	VIOLATION
11	0.00	2.15	10.04			2.15	OK
12	0.00	2.05	9.60			2.05	OK
13	0.80	6.11	14.05			6.11	VIOLATION
14	0.00	3.47	11.38			3.47	VIOLATION
15	0.00	2.40	9.45			2.40	OK
16	0.01	2.79	8.52			2.79	OK
17	0.00	1.51	8.56			1.51	OK
18	0.00	1.40	8.01			1.40	OK
19	0.00	1.13	8.61			1.13	OK
20	0.11	1.45	8.99			1.45	OK
21	0.21	1.27	7.97			1.27	OK
22	0.00	1.11	7.71			1.11	OK
23	0.00	1.18	7.75			1.18	OK
24	0.00	1.23	8.11			1.23	OK
25	0.09	1.42	8.03			1.42	OK
26	0.91	6.49	17.14			6.49	VIOLATION
27	0.58	7.19	17.02			7.19	VIOLATION
28	0.10	2.63	11.97			2.63	OK
29	0.01	2.14	10.05			2.14	OK
30	0.00	1.78	9.44			1.78	OK
31	0.13	1.73	9.12			1.73	OK
TOTAL	6.54						

01/14/10

SUMMARY SHEET Dec-10

MEMBER	FLOW RIGHTS MGD	AVERAGE FLOW MGD	HIGHEST VALUE MGD	NO. OF DAYS ABOVE LIMIT
CLARK	4.71	2.96	10.00	2
CRANFORD	8.75	3.75	14.74	5
GARWOOD	3.99	0.75	4.79	1
KENILWORTH	2.62	1.36	5.09	3
MOUNTAINSIDE	3.00	0.88	2.39	0
RAHWAY	16.44	5.07	14.25	0
ROSELLE PARK	1.85	0.97	2.53	2
SCOTCH PLAINS	4.50	1.88	5.26	1
SPRINGFIELD	3.70	2.65	5.99	6
WESTFIELD	10.42	4.67	15.53	3
WOODBIDGE (Mtr. 12)	N/A	N/A	N/A	N/A
WOODBIDGE (Mtr. 15)	3.32	1.52	7.19	6
TOTAL	63.30	26.46		
TOTAL PRECIPITATION	6.54 in.			