



2024 FIVE YEAR MOVING AVERAGE STATUSREPORT

June, 2024

MEMBER	Fractional Share of the Contribution ("Percent Share")						5 Year Moving Average	
	MEASURING YEAR (Oct-Sep)						Current Average (2)	Previous Average (3)
	2019	2020	2021	2022	2023	2024 (1)		
Clark	8.33%	8.02%	7.49%	7.88%	6.22%	5.12%	6.95%	7.59%
Cranford	9.95%	11.08%	11.79%	10.19%	9.67%	13.25%	11.20%	10.54%
Garwood	2.33%	2.22%	2.23%	3.19%	4.08%	2.69%	2.88%	2.81%
Kenilworth	5.30%	3.62%	3.59%	3.62%	3.79%	3.71%	3.67%	3.98%
Mountainside	2.90%	2.44%	2.35%	2.71%	2.74%	2.49%	2.55%	2.63%
Rahway	18.01%	22.27%	21.64%	17.77%	18.14%	19.09%	19.78%	19.57%
Roselle Park	1.61%	2.08%	1.73%	0.87%	1.22%	1.07%	1.39%	1.50%
Scotch Plains	4.56%	4.23%	3.86%	4.01%	4.39%	5.63%	4.42%	4.21%
Springfield	9.28%	9.25%	9.20%	10.34%	10.51%	10.25%	9.91%	9.72%
Westfield	15.64%	14.32%	14.46%	15.74%	15.29%	14.33%	14.83%	15.09%
Woodbridge	22.09%	20.47%	21.66%	23.68%	23.95%	22.37%	22.42%	22.37%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.01%

Notes:

- (1) Figures computed based on Flow, BOD and TSS data received as of reporting month.
- (2) Five year moving average consisting of 2020, 2021, 2022, 2023, and month to date for 2024
- (3) Five year moving average consisting of 2019, 2020, 2021, 2022, and 2023



2024 Town Annual Percent Share

June, 2024

Member	Average Daily Flow (MGD)		Biochemical Oxygen Demand (Tons/Day)		Total Suspended Solids (Tons/Day)		Annual Percent Share	
	2023	2024	2023	2024	2023	2024	2023	2024
Clark	1.26	1.19	1.29	1.14	1.20	1.05	6.22%	5.12%
Cranford	2.58	4.14	1.55	2.26	1.91	2.80	9.67%	13.25%
Garwood	1.05	0.82	0.67	0.47	0.82	0.57	4.08%	2.69%
Kenilworth	0.96	1.12	0.63	0.65	0.76	0.79	3.79%	3.71%
Mountainside	0.73	0.79	0.44	0.42	0.54	0.52	2.74%	2.49%
Rahway	4.48	5.63	3.07	3.38	3.68	4.13	18.14%	19.09%
Roselle Park	0.31	0.32	0.20	0.19	0.25	0.23	1.22%	1.07%
Scotch Plains	1.17	1.76	0.70	0.96	0.87	1.19	4.39%	5.63%
Springfield	2.70	3.12	1.73	1.78	2.11	2.19	10.51%	10.25%
Westfield	3.69	4.10	2.62	2.59	3.13	3.12	15.29%	14.33%
Woodbridge (1)(2)	6.13	6.85	3.91	3.84	4.85	4.80	23.95%	22.37%
Totals:	25.07	29.85	16.81	17.68	20.12	21.39	100.00%	100.00%

Equations:

Assumptions: 200 gpd flow per unit at 200 mg/L BOD and TSS concentrations

- (a) Flow Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD)
- (b) BOD Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD) x (200 mg/L) x (8.34 lbs/g) / (2000 lbs/ton)
- (c) TSS Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD) x (200 mg/L) x (8.34 lbs/g) / (2000 lbs/ton)

Notes:

- (1) Woodbridge MGD Adjustment includes a 0.50 MGD flow credit, per section 11.5 of the 2021 Agreement
- (2) Woodbridge BOD and TSS Adjustment includes a 833 lbs/day credit, per section 11.5 of the 2021 Agreement



2024 Intermunicipal Adjustments Report

June, 2024

Member	Dwelling Unit Quantity			Average Daily Flow (MGD)			Average BOD (Tons/Day)			Average TSS (Tons/Day)		
	Bill To	Credit To	Total Adjustment	Average Flow	Adjustment (a)	Final Flow	Average BOD	Adjustment (b)	Final BOD	Average TSS	Adjustment (c)	Final TSS
Clark	479	0	479	1.10	0.0958	1.19	1.06	0.0799	1.14	0.97	0.0799	1.05
Cranford	242	1,092	-850	4.31	-0.1700	4.14	2.40	-0.1418	2.26	2.94	-0.1418	2.80
Garwood	54	110	-56	0.83	-0.0112	0.82	0.48	-0.0093	0.47	0.58	-0.0093	0.57
Kenilworth	62	38	24	1.11	0.0048	1.12	0.65	0.0040	0.65	0.79	0.0040	0.79
Mountainside	106	339	-233	0.84	-0.0466	0.79	0.46	-0.0389	0.42	0.56	-0.0389	0.52
Rahway	13	15	-2	5.63	-0.0004	5.63	3.38	-0.0003	3.38	4.13	-0.0003	4.13
Roselle Park	38	117	-79	0.34	-0.0158	0.32	0.20	-0.0132	0.19	0.24	-0.0132	0.23
Scotch Plains	66	413	-347	1.83	-0.0694	1.76	1.02	-0.0579	0.96	1.25	-0.0579	1.19
Springfield	0	187	-187	3.16	-0.0374	3.12	1.81	-0.0312	1.78	2.22	-0.0312	2.19
Westfield	1,425	175	1,250	3.85	0.2500	4.10	2.38	0.2085	2.59	2.91	0.2085	3.12
Woodbridge (1)(2)	10	9	1	7.35	-0.4998	6.85	4.26	-0.4163	3.84	5.22	-0.4163	4.80
Totals:	2,495	2,495	0	30.35	-0.5000	29.85	18.10	-0.4165	17.68	21.81	-0.4165	21.39

Equations:

Assumptions: 200 gpd flow per unit at 200 mg/L BOD and TSS concentrations

(a) Flow Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD)

(b) BOD Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD) x (200 mg/L) x (8.34 lbs/g) / (2000 lbs/ton)

(c) TSS Adj: [Total Adjusted Dwelling Units] x (0.0002 MGD) x (200 mg/L) x (8.34 lbs/g) / (2000 lbs/ton)

Notes:

(1) Woodbridge MGD Adjustment includes a 0.50 MGD flow credit, per section 11.5 of the 2021 Agreement

(2) Woodbridge BOD and TSS Adjustment includes a 833 lbs/day credit, per section 11.5 of the 2021 Agreement



Member BOD and TSS Loading Contribution

June, 2024

Member	Average Daily Industrial Loading (1)		Average Daily Flow (MGD)	Inter-Mun Adj (2) (MGD)	Adj. Avg. Daily Flow (MGD)	Member Contribution			
	BOD (Tons/Day)	TSS (Tons/Day)				Domestic Loading		Total Loading	
						BOD (Tons/Day)	TSS (Tons/Day)	BOD (Tons/Day)	TSS (Tons/Day)
Clark	0.37	0.12	1.10	0.0958	1.19	0.69	0.85	1.06	0.97
Cranford	0.00	0.00	4.31	-0.1700	4.14	2.40	2.94	2.40	2.94
Garwood	0.00	0.00	0.83	-0.0112	0.82	0.48	0.58	0.48	0.58
Kenilworth	0.00	0.00	1.11	0.0048	1.12	0.65	0.79	0.65	0.79
Mountainside	0.00	0.00	0.84	-0.0466	0.79	0.46	0.56	0.46	0.56
Rahway	0.12	0.13	5.63	-0.0004	5.63	3.26	4.00	3.38	4.13
Roselle Park	0.01	0.01	0.34	-0.0158	0.32	0.19	0.23	0.20	0.24
Scotch Plains	0.00	0.00	1.83	-0.0694	1.76	1.02	1.25	1.02	1.25
Springfield	0.00	0.00	3.16	-0.0374	3.12	1.81	2.22	1.81	2.22
Westfield	0.00	0.00	3.85	0.2500	4.10	2.38	2.91	2.38	2.91
Woodbridge	0.00	0.00	7.35	0.0002	7.35	4.26	5.22	4.26	5.22
Totals:	0.50	0.26	30.35	0.00	30.35	17.60	21.56	18.10	21.81

Notes:

- (1) As measured and reported by the RVSA SIU IPP Industrial Loading
- (2) Does not include the 0.50 MGD Woodbridge Credit



2024 Plant Influent Loading June, 2024

2023			2024									Average
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	T/D

Plant Influent Flow and Sample Data

Avg. Daily Flow (MGD) (1)	24.83	23.03	36.6	36.86	28.09	38.95	35.65	25.61	23.32				30.33
Avg. BOD (mg/L) (2)	147	164	127	122	154	117	127	196	175				148
Avg. TSS (mg/L) (2)	178	199	146	146	204	138	156	235	202				178

Total Influent Loading (a)(b)

BOD (Tons/Day)	15.22	15.75	19.38	18.75	18.04	19.00	18.88	20.96	17.02				18.11
TSS (Tons/Day)	18.43	19.11	22.28	22.44	23.90	22.41	23.19	25.10	19.64				21.83

Total Industrial Contribution (3)

IPP BOD (Tons/Day)	0.51
IPP TSS (Tons/Day)	0.27

Total Domestic Influent Loading

BOD (Tons/Day)	17.60
TSS (Tons/Day)	21.56

Equations:

- (a) BOD Loading (Tons/Day) = Average Daily Flow (MGD) x Avg BOD (mg/L) x (8.34 lbs/gal) / (2000 lbs/ton)
- (b) TSS Loading (Tons/Day) = Average Daily Flow (MGD) x Avg TSS (mg/L) x (8.34 lbs/gal) / (2000 lbs/ton)

Notes:

- (1) Average Daily Flow = RV12 + RV14 + RV31
- (2) BOD and TSS Concentrations measured at the RVSA Raw Influent Sampler as reported to the NJDEP
- (3) As measured and reported by the RVSA SIU IPP Industrial Loading



2024 Average Daily Flow Report

June, 2024

Meter #	2023			2024									Average To Date
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
RV01	2.78	2.76	3.47	3.57	3.07	3.76	3.64	2.82	2.54				3.16
RV02	3.67	3.63	4.76	5.17	4.16	5.33	5.04	3.86	3.44				4.34
RV03	1.70	1.60	2.48	2.47	1.81	2.44	2.23	1.61	1.54				1.99
RV04	0.27	0.24	0.30	0.32	0.24	0.36	0.29	0.20	0.20				0.27
RV05	0.24	0.24	0.35	0.36	0.27	0.37	0.35	0.23	0.23				0.29
RV06	0.58	0.44	0.70	0.75	0.55	0.77	0.67	0.46	0.43				0.59
RV07	0.67	0.64	0.85	0.94	0.76	0.97	0.91	0.63	0.56				0.77
RV09	3.32	3.34	5.66	5.82	4.43	5.79	5.23	3.77	3.30				4.52
RV10	9.16	8.99	13.09	13.13	9.90	14.54	13.11	8.84	7.68				10.94
RV11	12.82	12.66	19.51	20.22	15.23	21.12	18.76	13.08	11.32				16.08
RV12	5.20	4.92	7.04	6.73	5.29	7.99	7.68	5.72	5.30				6.21
RV13	0.70	0.65	1.01	0.98	0.74	1.04	0.92	0.62	0.54				0.80
RV14	19.59	17.85	28.53	29.20	22.59	30.28	26.75	19.54	17.66				23.55
RV15	0.85	0.79	1.65	1.54	0.95	1.77	1.35	0.68	0.65				1.14
RV16A	24.99	23.12	36.80	37.28	28.29	39.25	35.69	25.72	23.54				30.52
RV17	0.42	0.43	0.58	0.56	0.45	0.58	0.51	0.39	0.33				0.47
RV18	0.91	0.83	0.97	1.05	0.88	1.05	1.01	0.81	0.77				0.92
RV19	0.34	0.33	1.24	1.21	1.04	1.12	1.04	1.03	0.83				0.91
RV20	0.70	0.72	0.89	0.97	0.86	1.04	1.00	0.71	0.68				0.84
RV27	0.00	0.19	2.47	1.77	0.02	2.93	2.06	0.00	0.00				1.05
RV28	0.00	0.05	0.82	0.82	0.00	0.85	0.61	0.00	0.00				0.35
RV29	1.22	1.15	1.58	1.64	1.32	1.78	1.67	1.22	1.18				1.42
RV30	0.25	0.24	0.33	0.38	0.31	0.43	0.38	0.27	0.23				0.31
RV31	0.04	0.27	1.03	0.93	0.22	0.68	1.22	0.35	0.36				0.56
RV32	5.34	4.73	7.39	6.79	5.39	8.05	7.18	5.70	5.08				6.18



2024 Average Industrial TSS Loading Report

June, 2024

Town	SIU Name	Average Daily TSS Loading (Tons/Day)												Average T/D
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Clark	Kerry 1	0.002	0.002	0.001	0.001	0.002	0.004	0.001	0.001					0.0018
	Kerry 2	0.006	0.004	0.004	0.008	0.009	0.021	0.010	0.002					0.0080
	Kerry 3	0.006	0.028	0.004	0.004	0.047	0.010	0.016	0.010					0.0156
	Kerry 4	0.165	0.180	0.074	0.046	0.048	0.105	0.068	0.036					0.0903
Clark Total:													0.116	
Kenilworth	B&M Finishers	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000					0.0000
	Kenilworth Anodizing	0.000	0.000	0.000	0.000	0.000		0.000	0.000					0.0000
Kenilworth Total:													0.000	
Mountainside	American Aluminum	0.000	0.000	0.000	0.000	0.001		0.000	0.000					0.0001
Mountainside Total:													0.000	
Rahway	Clean Haven													0.0000
	Guest Packaging 02	0.003	0.010	0.002	0.001	0.004	0.009	0.015	0.007					0.0064
	Guest Packaging 03	0.002	0.001	0.001	0.002	0.002	0.004	0.006	0.002					0.0025
	Merck 007	0.109	0.007	0.011	0.010	0.029	0.022	0.024	0.058					0.0338
	Merck 012	0.122	0.079	0.039	0.022	0.054	0.079	0.108	0.061					0.0705
	Quala Systems	0.014	0.001		0.001	0.006	0.035	0.001	0.004					0.0089
	Suez Water Rahway	0.001	0.078	0.003	0.003	0.001	0.002	0.004	0.004					0.0120
Rahway Total:													0.134	
Roselle Park	Crossfield Products			0.002	0.001			0.009						0.0040
	Merck Kenilworth	0.009	0.014	0.012	0.008	0.013	0.009	0.006	0.016					0.0109
Roselle Park Total:													0.015	
Springfield	Valcor Engineering	0.000	0.001	0.001	0.003	0.007	0.001	0.005	0.001					0.0024
Springfield Total:													0.002	
Woodbridge	BASF 1	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.001					0.0013
	BASF 2	0.001	0.002	0.002	0.002	0.001	0.001	0.002	0.017					0.0035
	Gentek Building Products		0.000	0.000	0.000	0.000		0.000	0.000					0.0000
Woodbridge Total:													0.005	

Note: Municipalities without Significant Industrial Users ("SIU") are excluded from this report.



2024 Average Industrial BOD Loading Report

June, 2024

Town	SIU Name	Average Daily BOD Loading (Tons/Day)											Average T/D	
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug		Sep
Clark	Kerry 1	0.000	0.001	0.001	0.003	0.002	0.009	0.008	0.003					0.0034
	Kerry 2	0.003	0.024	0.017	0.020	0.017	0.011	0.031	0.031					0.0193
	Kerry 3	0.010	0.078	0.014	0.025	0.075	0.074	0.093	0.029					0.0498
	Kerry 4	0.356	0.531	0.099	0.288	0.254	0.374	0.228	0.248					0.2973
Clark Total:													0.370	
Kenilworth	B&M Finishers	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000					0.0000
	Kenilworth Anodizing	0.000	0.000	0.000	0.000	0.000		0.000	0.000					0.0000
Kenilworth Total:													0.000	
Mountainside	American Aluminum	0.000	0.000	0.000	0.000	0.001		0.001	0.001					0.0004
Mountainside Total:													0.000	
Rahway	Clean Haven													0.0000
	Guest Packaging 02	0.004	0.005	0.005	0.008	0.009	0.013	0.026	0.038					0.0135
	Guest Packaging 03	0.027	0.003	0.001	0.008	0.001	0.006	0.012	0.003					0.0076
	Merck 007	0.033	0.003	0.004	0.004	0.019	0.015	0.008	0.015					0.0126
	Merck 012	0.088	0.051	0.013	0.009	0.042	0.050	0.082	0.050					0.0481
	Quala Systems	0.093	0.034		0.042	0.018	0.078	0.004	0.010					0.0399
	Suez Water Rahway	0.005	0.002	0.001	0.000	0.001	0.001	0.002	0.001					0.0016
Rahway Total:													0.123	
Roselle Park	Crossfield Products			0.001	0.000			0.001						0.0007
	Merck Kenilworth	0.019	0.017	0.019	0.009	0.012	0.008	0.001	0.025					0.0138
Roselle Park Total:													0.014	
Springfield	Valcor Engineering	0.000	0.000	0.001	0.001	0.005	0.001	0.003	0.001					0.0015
Springfield Total:													0.002	
Woodbridge	BASF 1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					0.0010
	BASF 2	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001					0.0011
	Gentek Building Products		0.000	0.000	0.000	0.000		0.000	0.000					0.0000
Woodbridge Total:													0.002	

Note: Municipalities without Significant Industrial Users ("SIU") are excluded from this report.