2024 FIVE YEAR MOVING AVERAGE STATUSREPORT

January, 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%	5.65%	5.49%	6.91%	7.48%
Cranford	9.95%	11.08%	11.79%	10.19%	10.24%	13.70%	11.40%	10.65%
Garwood	2.33%	2.22%	2.23%	3.19%	3.71%	2.79%	2.83%	2.74%
Kenilworth	5.30%	3.62%	3.59%	3.62%	3.77%	3.72%	3.67%	3.98%
Mountainside	2.90%	2.44%	2.35%	2.71%	2.66%	2.43%	2.52%	2.61%
Rahway	18.01%	22.27%	21.64%	17.77%	18.31%	18.85%	19.77%	19.60%
Roselle Park	1.61%	2.08%	1.73%	0.87%	1.24%	1.05%	1.39%	1.51%
Scotch Plains	4.56%	4.23%	3.86%	4.01%	4.40%	5.25%	4.35%	4.21%
Springfield	9.28%	9.25%	9.20%	10.34%	10.49%	10.17%	9.89%	9.71%
Westfield	15.64%	14.32%	14.46%	15.74%	14.96%	14.87%	14.87%	15.03%
Woodbridge	22.09%	20.47%	21.66%	23.68%	24.56%	21.69%	22.41%	22.49%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.01%	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

January, 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	1.12	1.27	1.06	1.16	1.00	1.08	5.65%	5.49%
Cranford	2.68	4.30	1.72	2.23	2.16	2.72	10.24%	13.70%
Garwood	0.93	0.86	0.60	0.46	0.75	0.56	3.71%	2.79%
Kenilworth	0.94	1.12	0.60	0.62	0.76	0.75	3.77%	3.72%
Mountainside	0.70	0.77	0.45	0.39	0.56	0.48	2.66%	2.43%
Rahway	4.44	5.53	2.98	3.20	3.70	3.84	18.31%	18.85%
Roselle Park	0.31	0.31	0.21	0.18	0.26	0.21	1.24%	1.05%
Scotch Plains	1.15	1.66	0.74	0.85	0.93	1.04	4.40%	5.25%
Springfield	2.65	3.11	1.69	1.68	2.13	2.04	10.49%	10.17%
Westfield	3.54	4.27	2.26	2.56	2.85	3.05	14.96%	14.87%
Woodbridge (1)(2)	6.18	6.69	4.28	3.54	5.38	4.37	24.56%	21.69%
Totals:	24.63	29.89	16.59	16.87	20.48	20.14	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

January, 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	1.17	0.0958	1.27	1.08	0.0799	1.16	1.00	0.0799	1.08
Cranford	242	1,092	-850	4.47	-0.1700	4.30	2.37	-0.1418	2.23	2.86	-0.1418	2.72
Garwood	54	110	-56	0.87	-0.0112	0.86	0.47	-0.0093	0.46	0.57	-0.0093	0.56
Kenilworth	62	38	24	1.12	0.0048	1.12	0.62	0.0040	0.62	0.75	0.0040	0.75
Mountainside	106	339	-233	0.82	-0.0466	0.77	0.43	-0.0389	0.39	0.52	-0.0389	0.48
Rahway	13	15	-2	5.53	-0.0004	5.53	3.20	-0.0003	3.20	3.84	-0.0003	3.84
Roselle Park	38	117	-79	0.32	-0.0158	0.31	0.19	-0.0132	0.18	0.22	-0.0132	0.21
Scotch Plains	66	413	-347	1.73	-0.0694	1.66	0.91	-0.0579	0.85	1.10	-0.0579	1.04
Springfield	0	187	-187	3.15	-0.0374	3.11	1.71	-0.0312	1.68	2.07	-0.0312	2.04
Westfield	1,425	175	1,250	4.02	0.2500	4.27	2.35	0.2085	2.56	2.84	0.2085	3.05
Woodbridge (1)(2)	10	9	1	7.19	-0.4998	6.69	3.96	-0.4163	3.54	4.79	-0.4163	4.37
Totals:	2,495	2,495	0	30.39	-0.5000	29.89	17.29	-0.4165	16.87	20.56	-0.4165	20.14

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

January, 2024

Member	Average Daily Industrial Loading (1)		Average Daily Flow (MGD)	Inter-Mun Adj (2) (MGD)	Adj. Avg. Daily Flow (MGD)	Member Contribution			
						Domestic Loading		Total Loading	
	BOD (Tons/Day)	TSS (Tons/Day)				BOD (Tons/Day)	TSS (Tons/Day)	BOD (Tons/Day)	TSS (Tons/Day)
Clark	0.38	0.16	1.17	0.0958	1.27	0.70	0.84	1.08	1.00
Cranford	0.00	0.00	4.47	-0.1700	4.30	2.37	2.86	2.37	2.86
Garwood	0.00	0.00	0.87	-0.0112	0.86	0.47	0.57	0.47	0.57
Kenilworth	0.00	0.00	1.12	0.0048	1.12	0.62	0.75	0.62	0.75
Mountainside	0.00	0.00	0.82	-0.0466	0.77	0.43	0.52	0.43	0.52
Rahway	0.15	0.16	5.53	-0.0004	5.53	3.05	3.68	3.20	3.84
Roselle Park	0.02	0.01	0.32	-0.0158	0.31	0.17	0.21	0.19	0.22
Scotch Plains	0.00	0.00	1.73	-0.0694	1.66	0.91	1.10	0.91	1.10
Springfield	0.00	0.00	3.15	-0.0374	3.11	1.71	2.07	1.71	2.07
Westfield	0.00	0.00	4.02	0.2500	4.27	2.35	2.84	2.35	2.84
Woodbridge	0.00	0.00	7.19	0.0002	7.19	3.96	4.79	3.96	4.79
Totals:	0.55	0.33	30.39	0.00	30.39	16.73	20.23	17.29	20.56

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

January, 2024

	2023			2024									Average T/D
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Plant Influent Flow and Sample Data													
Avg. Daily Flow (MGD) (1)	24.83	23.03	36.6	36.86									30.33
Avg. BOD (mg/L) (2)	147	164	127	122									140
Avg. TSS (mg/L) (2)	178	199	146	146									167
Total Influent Loading (a)(b)													
BOD (Tons/Day)	15.22	15.75	19.38	18.75									17.28
TSS (Tons/Day)	18.43	19.11	22.28	22.44									20.57

Total Industrial Contribution (3)

IPP BOD (Tons/Day)	0.55
IPP TSS (Tons/Day)	0.34

Total Domestic Influent Loading

BOD (Tons/Day)	16.73
TSS (Tons/Day)	20.23

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

January, 2024

	2023			2024									Average
Meter #	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	To Date
RV01	2.78	2.76	3.47	3.57									3.14
RV02	3.67	3.63	4.76	5.17									4.31
RV03	1.70	1.60	2.48	2.47									2.06
RV04	0.27	0.24	0.30	0.32									0.28
RV05	0.24	0.24	0.35	0.36									0.30
RV06	0.58	0.44	0.70	0.75									0.61
RV07	0.67	0.64	0.85	0.94									0.77
RV09	3.32	3.34	5.66	5.82									4.54
RV10	9.16	8.99	13.09	13.13									11.09
RV11	12.82	12.66	19.51	20.22									16.30
RV12	5.20	4.92	7.04	6.73									5.97
RV13	0.70	0.65	1.01	0.98									0.84
RV14	19.59	17.85	28.53	29.20									23.79
RV15	0.85	0.79	1.65	1.54									1.21
RV16A	24.99	23.12	36.80	37.28									30.55
RV17	0.42	0.43	0.58	0.56									0.50
RV18	0.91	0.83	0.97	1.05									0.94
RV19	0.34	0.33	1.24	1.21									0.78
RV20	0.70	0.72	0.89	0.97									0.82
RV27	0.00	0.19	2.47	1.77									1.11
RV28	0.00	0.05	0.82	0.82									0.42
RV29	1.22	1.15	1.58	1.64									1.40
RV30	0.25	0.24	0.33	0.38									0.30
RV31	0.04	0.27	1.03	0.93									0.57
RV32	5.34	4.73	7.39	6.79									6.06

2024 Average Industrial TSS Loading Report

January, 2024

Town	SIU Name	Average Daily TSS Loading (Tons/Day)												Average
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	T/D
Clark	Kerry 1	0.002	0.002	0.001										0.0017
	Kerry 2	0.006	0.004	0.004										0.0047
	Kerry 3	0.006	0.028	0.004										0.0127
	Kerry 4	0.165	0.180	0.074										0.1397
													Clark Total:	**0.159**
Kenilworth	B&M Finishers	0.000	0.000	0.000										0.0000
	Kenilworth Anodizing	0.000	0.000	0.000										0.0000
													Kenilworth Total:	**0.000**
Mountainside	American Aluminum	0.000	0.000	0.000										0.0000
													Mountainside Total:	**0.000**
Rahway	Clean Haven													0.0000
	Guest Packaging 02	0.003	0.010	0.002										0.0050
	Guest Packaging 03	0.002	0.001	0.001										0.0013
	Merck 007	0.109	0.007	0.011										0.0423
	Merck 012	0.122	0.079	0.039										0.0800
	Quala Systems	0.014	0.001											0.0075
	Suez Water Rahway	0.001	0.078	0.003										0.0273
													Rahway Total:	**0.164**
Roselle Park	Crossfield Products			0.002										0.0020
	Merck Kenilworth	0.009	0.014	0.012										0.0117
													Roselle Park Total:	**0.014**
Springfield	Valcor Engineering	0.000	0.001	0.001										0.0007
													Springfield Total:	**0.001**
Woodbridge	BASF 1	0.002	0.001	0.001										0.0013
	BASF 2	0.001	0.002	0.002										0.0017
	Gentek Building Products		0.000	0.000										0.0000
													Woodbridge Total:	**0.003**

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

2024 Average Industrial BOD Loading Report

January, 2024

Town	SIU Name	Average Daily BOD Loading (Tons/Day) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Average T/D
Clark	Kerry 1	0.000	0.001	0.001										0.0007
	Kerry 2	0.003	0.024	0.017										0.0147
	Kerry 3	0.010	0.078	0.014										0.0340
	Kerry 4	0.356	0.531	0.099										0.3287
													Clark Total:	**0.378**
Kenilworth	B&M Finishers	0.000	0.000	0.000										0.0000
	Kenilworth Anodizing	0.000	0.000	0.000										0.0000
													Kenilworth Total:	**0.000**
Mountainside	American Aluminum	0.000	0.000	0.000										0.0000
													Mountainside Total:	**0.000**
Rahway	Clean Haven													0.0000
	Guest Packaging 02	0.004	0.005	0.005										0.0047
	Guest Packaging 03	0.027	0.003	0.001										0.0103
	Merck 007	0.033	0.003	0.004										0.0133
	Merck 012	0.088	0.051	0.013										0.0507
	Quala Systems	0.093	0.034											0.0635
	Suez Water Rahway	0.005	0.002	0.001										0.0027
													Rahway Total:	**0.145**
Roselle Park	Crossfield Products			0.001										0.0010
	Merck Kenilworth	0.019	0.017	0.019										0.0183
													Roselle Park Total:	**0.019**
Springfield	Valcor Engineering	0.000	0.000	0.001										0.0003
													Springfield Total:	**0.000**
Woodbridge	BASF 1	0.001	0.001	0.001										0.0010
	BASF 2	0.001	0.001	0.001										0.0010
	Gentek Building Products		0.000	0.000										0.0000
													Woodbridge Total:	**0.002**

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