



## 2024 FIVE YEAR MOVING AVERAGE STATUSREPORT

May, 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%	5.20%	6.85%	7.48%
Cranford	9.95%	11.08%	11.79%	10.19%	10.24%	13.66%	11.39%	10.65%
Garwood	2.33%	2.22%	2.23%	3.19%	3.71%	2.68%	2.81%	2.74%
Kenilworth	5.30%	3.62%	3.59%	3.62%	3.77%	3.74%	3.67%	3.98%
Mountainside	2.90%	2.44%	2.35%	2.71%	2.66%	2.48%	2.53%	2.61%
Rahway	18.01%	22.27%	21.64%	17.77%	18.31%	18.73%	19.74%	19.60%
Roselle Park	1.61%	2.08%	1.73%	0.87%	1.24%	1.02%	1.39%	1.51%
Scotch Plains	4.56%	4.23%	3.86%	4.01%	4.40%	5.57%	4.41%	4.21%
Springfield	9.28%	9.25%	9.20%	10.34%	10.49%	10.21%	9.90%	9.71%
Westfield	15.64%	14.32%	14.46%	15.74%	14.96%	14.44%	14.79%	15.03%
Woodbridge	22.09%	20.47%	21.66%	23.68%	24.56%	22.26%	22.53%	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

May, 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	1.24	1.14	1.17	1.08	1.08	5.65%	5.20%
Cranford	2.68	4.39	1.58	2.35	2.02	2.93	10.24%	13.66%
Garwood	0.93	0.84	0.59	0.47	0.74	0.58	3.71%	2.68%
Kenilworth	0.94	1.16	0.60	0.66	0.76	0.81	3.77%	3.74%
Mountainside	0.70	0.81	0.41	0.42	0.52	0.53	2.66%	2.48%
Rahway	4.44	5.68	2.98	3.35	3.70	4.10	18.31%	18.73%
Roselle Park	0.31	0.31	0.20	0.18	0.25	0.22	1.24%	1.02%
Scotch Plains	1.15	1.79	0.68	0.96	0.87	1.19	4.40%	5.57%
Springfield	2.65	3.20	1.66	1.79	2.10	2.21	10.49%	10.21%
Westfield	3.54	4.26	2.47	2.63	3.06	3.19	14.96%	14.44%
Woodbridge (1)(2)	6.18	7.03	3.86	3.85	4.96	4.84	24.56%	22.26%
<b>Totals:</b>	<b>24.63</b>	<b>30.71</b>	<b>16.17</b>	<b>17.83</b>	<b>20.06</b>	<b>21.68</b>	<b>100.00%</b>	<b>100.00%</b>

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

May, 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	1.15	0.0958	1.24	1.09	0.0799	1.17	1.00	0.0799	1.08
Cranford	242	1,092	-850	4.56	-0.1700	4.39	2.49	-0.1418	2.35	3.07	-0.1418	2.93
Garwood	54	110	-56	0.85	-0.0112	0.84	0.48	-0.0093	0.47	0.59	-0.0093	0.58
Kenilworth	62	38	24	1.15	0.0048	1.16	0.66	0.0040	0.66	0.81	0.0040	0.81
Mountainside	106	339	-233	0.86	-0.0466	0.81	0.46	-0.0389	0.42	0.57	-0.0389	0.53
Rahway	13	15	-2	5.68	-0.0004	5.68	3.35	-0.0003	3.35	4.10	-0.0003	4.10
Roselle Park	38	117	-79	0.33	-0.0158	0.31	0.19	-0.0132	0.18	0.23	-0.0132	0.22
Scotch Plains	66	413	-347	1.86	-0.0694	1.79	1.02	-0.0579	0.96	1.25	-0.0579	1.19
Springfield	0	187	-187	3.23	-0.0374	3.20	1.82	-0.0312	1.79	2.24	-0.0312	2.21
Westfield	1,425	175	1,250	4.01	0.2500	4.26	2.42	0.2085	2.63	2.98	0.2085	3.19
Woodbridge (1)(2)	10	9	1	7.53	-0.4998	7.03	4.27	-0.4163	3.85	5.26	-0.4163	4.84
<b>Totals:</b>	2,495	2,495	0	31.21	-0.5000	30.71	18.25	-0.4165	17.83	22.10	-0.4165	21.68

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

May, 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	0.38	0.13	1.15	0.0958	1.24	0.71	0.87	1.09	1.00
Cranford	0.00	0.00	4.56	-0.1700	4.39	2.49	3.07	2.49	3.07
Garwood	0.00	0.00	0.85	-0.0112	0.84	0.48	0.59	0.48	0.59
Kenilworth	0.00	0.00	1.15	0.0048	1.16	0.66	0.81	0.66	0.81
Mountainside	0.00	0.00	0.86	-0.0466	0.81	0.46	0.57	0.46	0.57
Rahway	0.12	0.13	5.68	-0.0004	5.68	3.23	3.97	3.35	4.10
Roselle Park	0.01	0.01	0.33	-0.0158	0.31	0.18	0.22	0.19	0.23
Scotch Plains	0.00	0.00	1.86	-0.0694	1.79	1.02	1.25	1.02	1.25
Springfield	0.00	0.00	3.23	-0.0374	3.20	1.82	2.24	1.82	2.24
Westfield	0.00	0.00	4.01	0.2500	4.26	2.42	2.98	2.42	2.98
Woodbridge	0.00	0.00	7.53	0.0002	7.53	4.27	5.26	4.27	5.26
<b>Totals:</b>	<b>0.51</b>	<b>0.27</b>	<b>31.21</b>	<b>0.00</b>	<b>31.21</b>	<b>17.73</b>	<b>21.83</b>	<b>18.25</b>	<b>22.10</b>

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 May, 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	28.09	38.95	35.65	25.61					31.20
Avg. BOD (mg/L) (2)	147	164	127	122	154	117	127	196					144
Avg. TSS (mg/L) (2)	178	199	146	146	204	138	156	235					175

**Total Influent Loading (a)(b)**

BOD (Tons/Day)	15.22	15.75	19.38	18.75	18.04	19.00	18.88	20.96					18.25
TSS (Tons/Day)	18.43	19.11	22.28	22.44	23.90	22.41	23.19	25.10					22.11

**Total Industrial Contribution (3)**

IPP BOD (Tons/Day)	0.52
IPP TSS (Tons/Day)	0.28

**Total Domestic Influent Loading**

BOD (Tons/Day)	17.73
TSS (Tons/Day)	21.83

**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 May, 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					3.23
RV02	3.67	3.63	4.76	5.17	4.16	5.33	5.04	3.86					4.45
RV03	1.70	1.60	2.48	2.47	1.81	2.44	2.23	1.61					2.04
RV04	0.27	0.24	0.30	0.32	0.24	0.36	0.29	0.20					0.28
RV05	0.24	0.24	0.35	0.36	0.27	0.37	0.35	0.23					0.30
RV06	0.58	0.44	0.70	0.75	0.55	0.77	0.67	0.46					0.61
RV07	0.67	0.64	0.85	0.94	0.76	0.97	0.91	0.63					0.80
RV09	3.32	3.34	5.66	5.82	4.43	5.79	5.23	3.77					4.67
RV10	9.16	8.99	13.09	13.13	9.90	14.54	13.11	8.84					11.35
RV11	12.82	12.66	19.51	20.22	15.23	21.12	18.76	13.08					16.68
RV12	5.20	4.92	7.04	6.73	5.29	7.99	7.68	5.72					6.32
RV13	0.70	0.65	1.01	0.98	0.74	1.04	0.92	0.62					0.83
RV14	19.59	17.85	28.53	29.20	22.59	30.28	26.75	19.54					24.29
RV15	0.85	0.79	1.65	1.54	0.95	1.77	1.35	0.68					1.20
RV16A	24.99	23.12	36.80	37.28	28.29	39.25	35.69	25.72					31.39
RV17	0.42	0.43	0.58	0.56	0.45	0.58	0.51	0.39					0.49
RV18	0.91	0.83	0.97	1.05	0.88	1.05	1.01	0.81					0.94
RV19	0.34	0.33	1.24	1.21	1.04	1.12	1.04	1.03					0.92
RV20	0.70	0.72	0.89	0.97	0.86	1.04	1.00	0.71					0.86
RV27	0.00	0.19	2.47	1.77	0.02	2.93	2.06	0.00					1.18
RV28	0.00	0.05	0.82	0.82	0.00	0.85	0.61	0.00					0.39
RV29	1.22	1.15	1.58	1.64	1.32	1.78	1.67	1.22					1.45
RV30	0.25	0.24	0.33	0.38	0.31	0.43	0.38	0.27					0.32
RV31	0.04	0.27	1.03	0.93	0.22	0.68	1.22	0.35					0.59
RV32	5.34	4.73	7.39	6.79	5.39	8.05	7.18	5.70					6.32



# 2024 Average Industrial TSS Loading Report

May, 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						0.0019
	Kerry 2	0.006	0.004	0.004	0.008	0.009	0.021	0.010						0.0089
	Kerry 3	0.006	0.028	0.004	0.004	0.047	0.010	0.016						0.0164
	Kerry 4	0.165	0.180	0.074	0.046	0.048	0.105	0.068						0.0980
<b>Clark Total:</b>													<b>0.125</b>	
Kenilworth	B&M Finishers	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						0.0000
<b>Kenilworth Total:</b>													<b>0.000</b>	
Mountainside	American Aluminum	0.000	0.000	0.000	0.000	0.001		0.000						0.0002
<b>Mountainside Total:</b>													<b>0.000</b>	
Rahway	Clean Haven													0.0000
	Guest Packaging 02	0.003	0.010	0.002	0.001	0.004	0.009	0.015						0.0063
	Guest Packaging 03	0.002	0.001	0.001	0.002	0.002	0.004	0.006						0.0026
	Merck 007	0.109	0.007	0.011	0.010	0.029	0.022	0.024						0.0303
	Merck 012	0.122	0.079	0.039	0.022	0.054	0.079	0.108						0.0719
	Quala Systems	0.014	0.001		0.001	0.006	0.035	0.001						0.0097
	Suez Water Rahway	0.001	0.078	0.003	0.003	0.001	0.002	0.004						0.0131
<b>Rahway Total:</b>													<b>0.134</b>	
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						0.0101
<b>Roselle Park Total:</b>													<b>0.014</b>	
Springfield	Valcor Engineering	0.000	0.001	0.001	0.003	0.007	0.001	0.005						0.0026
<b>Springfield Total:</b>													<b>0.003</b>	
Woodbridge	BASF 1	0.002	0.001	0.001	0.001	0.001	0.002	0.001						0.0013
	BASF 2	0.001	0.002	0.002	0.002	0.001	0.001	0.002						0.0016
	Gentek Building Products		0.000	0.000	0.000	0.000		0.000						0.0000
<b>Woodbridge Total:</b>													<b>0.003</b>	

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



# 2024 Average Industrial BOD Loading Report

May, 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						0.0034
	Kerry 2	0.003	0.024	0.017	0.020	0.017	0.011	0.031						0.0176
	Kerry 3	0.010	0.078	0.014	0.025	0.075	0.074	0.093						0.0527
	Kerry 4	0.356	0.531	0.099	0.288	0.254	0.374	0.228						0.3043
<b>Clark Total:</b>													<b>0.378</b>	
Kenilworth	B&M Finishers	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						0.0000
<b>Kenilworth Total:</b>													<b>0.000</b>	
Mountainside	American Aluminum	0.000	0.000	0.000	0.000	0.001		0.001						0.0003
<b>Mountainside Total:</b>													<b>0.000</b>	
Rahway	Clean Haven													0.0000
	Guest Packaging 02	0.004	0.005	0.005	0.008	0.009	0.013	0.026						0.0100
	Guest Packaging 03	0.027	0.003	0.001	0.008	0.001	0.006	0.012						0.0083
	Merck 007	0.033	0.003	0.004	0.004	0.019	0.015	0.008						0.0123
	Merck 012	0.088	0.051	0.013	0.009	0.042	0.050	0.082						0.0479
	Quala Systems	0.093	0.034		0.042	0.018	0.078	0.004						0.0448
	Suez Water Rahway	0.005	0.002	0.001	0.000	0.001	0.001	0.002						0.0017
<b>Rahway Total:</b>													<b>0.125</b>	
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						0.0121
<b>Roselle Park Total:</b>													<b>0.013</b>	
Springfield	Valcor Engineering	0.000	0.000	0.001	0.001	0.005	0.001	0.003						0.0016
<b>Springfield Total:</b>													<b>0.002</b>	
Woodbridge	BASF 1	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						0.0011
	Gentek Building Products		0.000	0.000	0.000	0.000		0.000						0.0000
<b>Woodbridge Total:</b>													<b>0.002</b>	

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