



# KENNEBEC SANITARY TREATMENT DISTRICT

## FLOW, BOD, TSS - THREE YEAR COMPARISON

### 2023 YEAR-END SUMMARY

Approved by Board  
January 17, 2024

	2021		2022		2023	
FLOW	MG Treated	%	MG Treated	%	MG Treated	%
BENTON	24.98	1.21%	25.91	1.12%	34.71	1.37%
FAIRFIELD	165.47	8.01%	178.67	7.75%	210.92	8.34%
WATERVILLE	932.85	45.14%	975.43	42.29%	1,150.19	45.47%
HUHTAMAKI	628.94	30.43%	805.43	34.92%	736.18	29.10%
WINSLOW	314.28	15.21%	321.20	13.92%	397.55	15.72%
KSTD TOTAL	2,066.52	100.00%	2,306.64	100.00%	2,529.56	100.00%
RAIN (IN.)	41.88"		43.90"		51.60"	

3 Yr Avg (MG)
28.53
185.02
1019.49
723.52
344.34
2300.90

BOD	LBS Treated	%	LBS Treated	%	LBS Treated	%
BENTON	27,666	0.81%	30,386	0.78%	34,952	1.21%
FAIRFIELD	185,143	5.43%	175,914	4.49%	168,837	5.84%
WATERVILLE	1,146,217	33.65%	958,879	24.48%	1,209,517	41.84%
HUHTAMAKI	1,700,453	49.92%	2,374,804	60.63%	1,079,176	37.33%
WINSLOW	347,034	10.19%	377,042	9.63%	398,480	13.78%
KSTD TOTAL	3,406,512.87	100.00%	3,917,024.66	100.00%	2,890,962.06	100.00%

BOD AVG CONCENTRATIONS (ppm)			
2021	2022	2023	3 yr Avg
133	141	121	131
134	118	96	116
147	118	126	130
324	354	176	284
132	141	120	131
197.7	203.6	137.0	179

TSS	LBS Treated	%	LBS Treated	%	LBS Treated	%
BENTON	30,677	0.80%	32,955	0.68%	45,356	1.11%
FAIRFIELD	204,816	5.33%	214,350	4.42%	195,840	4.79%
WATERVILLE	1,395,817	36.35%	1,613,068	33.30%	1,187,348	29.04%
HUHTAMAKI	1,785,899	46.51%	2,537,665	52.38%	2,186,242	53.48%
WINSLOW	422,793	11.01%	446,644	9.22%	473,542	11.58%
KSTD TOTAL	3,840,003	100.00%	4,844,683	100.00%	4,088,329	100.00%

TSS AVG CONCENTRATIONS (ppm)			
2021	2022	2023	Average
147	153	157	152
148	144	111	135
179	198	124	167
340	378	356	358
161	167	143	157
223	252	194	223

(OAKLAND FLOW/BOD/TSS SHOWN FOR COMPARISON PURPOSES ONLY - NOT USED FOR BILLING)

	2021		2022		2023	
Oakland		% of WSD		% of WSD		% of WSD
Flow, MGD	98.90	10.60%	98.77	10.13%	123.61	10.75%
*TSS - LBS	115,197	8.25%	122,907	18.04%	153,543	12.93%
*BOD - LBS	97,327	8.49%	105,410	8.26%	130,086	10.76%

The Town of Oakland wastewater flows are pumped to Waterville Sewerage District. Oakland is not a KSTD community, but its wastewater is still treated at KSTD via WSD. This information is for comparison to other member communities.

*Average of TSS	ppm 148
*Average of BOD	126