



# **KENNEBEC SANITARY TREATMENT DISTRICT** **FLOW, BOD, TSS - THREE YEAR COMPARISON** **2022 YEAR-END SUMMARY**

**APPROVED BY BOARD**  
**JANUARY 18, 2023**

	2020		2021		2022	
<b>FLOW</b>	MG Treated	%	MG Treated	%	MG Treated	%
BENTON	23.81	1.10%	24.98	1.21%	25.91	1.12%
FAIRFIELD	167.17	7.70%	165.47	8.01%	178.67	7.75%
WATERVILLE	1,003.19	46.23%	932.85	45.14%	975.43	42.29%
HUHTAMAKI	652.45	30.06%	628.94	30.43%	805.43	34.92%
WINSLOW	323.57	14.91%	314.28	15.21%	321.20	13.92%
<b>KSTD TOTAL</b>	<b>2,170.19</b>	<b>100.00%</b>	<b>2,066.52</b>	<b>100.00%</b>	<b>2,306.64</b>	<b>100.00%</b>
<b>RAIN TOTAL</b>	<b>42.66"</b>		<b>41.88"</b>		<b>43.90"</b>	
<b>BOD</b>	LBS Treated	%	LBS Treated	%	LBS Treated	%
BENTON	22,852	0.79%	27,666	0.81%	30,386	0.78%
FAIRFIELD	159,221	5.47%	185,143	5.43%	175,914	4.49%
WATERVILLE	1,026,917	35.28%	1,146,217	33.65%	958,879	24.48%
HUHTAMAKI	1,368,130	47.01%	1,700,453	49.92%	2,374,804	60.63%
WINSLOW	333,407	11.46%	347,034	10.19%	377,042	9.63%
<b>KSTD TOTAL</b>	<b>2,910,526</b>	<b>100.00%</b>	<b>3,406,513</b>	<b>100.00%</b>	<b>3,917,025</b>	<b>100.00%</b>
<b>TSS</b>	LBS Treated	%	LBS Treated	%	LBS Treated	%
BENTON	23,371	0.64%	30,677	0.80%	32,955	0.68%
FAIRFIELD	191,229	5.20%	204,816	5.33%	214,350	4.42%
WATERVILLE	1,903,757	51.75%	1,395,817	36.35%	1,613,068	33.30%
HUHTAMAKI	1,133,473	30.81%	1,785,899	46.51%	2,537,665	52.38%
WINSLOW	427,100	11.61%	422,793	11.01%	446,644	9.22%
<b>KSTD TOTAL</b>	<b>3,678,931</b>	<b>100.00%</b>	<b>3,840,003</b>	<b>100.00%</b>	<b>4,844,683</b>	<b>100.00%</b>

<b>3 Yr Avg (MG)</b>
24.90
170.44
970.5
695.60
319.68
2,181

<b>BOD - Avg. Concentrations (ppm)</b>				
2020	2021	2022	3 Yr Avg	
115.1	132.8	140.6	130	
114.2	134.2	118.1	122	
122.7	147.3	117.9	129	
251.4	324.2	353.5	310	
123.5	132.4	140.8	132	
160.8	197.7	203.6	187	

<b>TSS - Avg. Concentrations (ppm)</b>				
2020	2021	2022	3 Yr Avg	
117.7	147.3	152.5	139	
137.2	148.4	143.8	143	
227.5	179.4	198.3	202	
208.3	340.5	377.8	309	
158.3	161.3	166.7	162	
203.3	222.8	251.8	226.0	

## **TOWN OF OAKLAND**

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

	2020		2021		2022	
		% of WSD		% of WSD		% of WSD
Flow, MGD	96.340	9.60%	98.900	10.60%	98.774	10.13%
*TSS - LBS	103,343	5.43%	115,197	8.25%	122,907	18.04%
*BOD - LBS	86,850	8.46%	97,327	8.49%	105,410	8.26%

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

*Average of TSS	ppm 148
*Average of BOD	128