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Western Lake Superior Sanitary District
Feb 4, 2024

Mr. Jim Benning
Director of Public Works
207 City Hall
Duluth, MN 55802

Subject: 2024 Wastewater Treatment Year-End Adjustments

Dear Mr. Benning:

At the close of each year, we notify our wastewater treatment users of the year-end adjustment based on the actual flow and load data, and treatment costs.

For 2023, the WLSSD Board has approved total wastewater charges of \$29,649,371 as shown in the attached comparison of billed (budget) to required charges (actual) for 2023. Each wastewater user will receive additional charges or credits based upon their actual flows and loads as compared to budget. This amount will be spread evenly over the 12-month period in 2024.

Attached is a table summarizing the 2023 billing as compared to the 2023 required actual. For Duluth, the total year-end adjustment for 2023 is a charge of \$467,791. The two contributors to Duluth's year-end adjustment were daily flow (billed for 12.7 MGD vs. actual of 13.45 MGD) and peak flow (billed for 47.8 MGD peak vs. actual peak of 95.49 MGD). The year end adjustment will be included as a \$38,983/month charge on your 2024 monthly billing.

Please contact me at 740-4805 if you have any questions.

Sincerely,

Marianne Bohren
Executive Director

xc: Kerry Venier

Attachment

2023 Year End Adjustment

	BILLED 2023	REQUIRED 2023	YEAR-END ADJUSTMENT
DULUTH	9,622,827	10,090,618	\$467,791
CLOQUET	1,081,998	944,289	(\$137,709)
PROCTOR	351,828	343,510	(\$8,318)
HERMANTOWN	598,050	557,643	(\$40,407)
ESKO	167,899	163,189	(\$4,710)
SCANLON	141,775	131,882	(\$9,893)
CARLTON	120,945	129,465	\$8,520
RICE LAKE	55,553	57,505	\$1,952
TWIN LAKE	79,156	58,038	(\$21,118)
PIKE LAKE	84,466	79,833	(\$4,633)
KNIFE RIVER	\$20,510	22,140	\$1,630
OLIVER	18,744	16,192	(\$2,552)
THOMSON	10,128	8,778	(\$1,350)
WRENSHALL	24,994	28,040	\$3,046
JAY COOKE	2,485	3,290	\$805
MIDWAY	4,697	6,034	\$1,337
MPCA LANDFILL	8,624	8,384	(\$240)
DULUTH/NORTH SHORE	49,176	57,279	\$8,103
MUNICIPALITIES SUBTOTAL	12,443,855	12,706,107	\$262,252
SAPPI	13,492,664	13,329,476	(\$163,188)
GEORGIA PACIFIC	15,433	15,433	\$0
USG	1,061,374	1,003,369	(\$58,005)
ST PAPER 1	2,465,173	2,434,499	(\$30,674)
SPECIALTY MINERALS	170,872	160,487	(\$10,385)
INDUSTRIES SUBTOTAL	17,205,516	\$16,943,264	(\$262,253)
TOTAL DISTRICT	\$29,649,371	\$29,649,371	(\$0)

**2023 Year End Adjustment
Wastewater Unit Costs**

	BUDGET 2023	ACTUAL 2023	% CHANGE
<u>VOLUME</u>			
FLOW (MGD)	33.97	36.41	7.17%
BOD (LBS/DAY)	66,865	67,320	0.68%
SUSPENDED SOLIDS (LBS/DAY)	42,676	53,154	24.55%
<u>O & M UNIT COSTS</u>			
FLOW (COST/1000 GAL)	\$0.6832	\$0.7038	3.02%
PEAK FLOW	\$0.0345	\$0.0225	-34.67%
BOD (COST/LB)	\$0.2086	\$0.2206	5.76%
SUSPENDED SOLIDS (COST/LB)	\$0.3213	\$0.2769	-13.83%
<u>O & M + DEBT SERVICE UNIT COSTS</u>			
FLOW (COST/1000 GAL)	\$0.9021	\$0.9223	2.24%
PEAK FLOW	\$0.0881	\$0.0707	-19.76%
BOD (COST/LB)	\$0.2611	\$0.2731	4.60%
SUSPENDED SOLIDS (COST/LB)	\$0.3801	\$0.3349	-11.88%
DOMESTIC EQUIV (COST/1000GAL)	\$2.0597	\$2.0073	-2.55%

Western Lake Superior Sanitary District
Billing Detail
2023 Year End Adjustment

Line No.	Class of Service	Budget Basis	Operating Expenses, based on Budgeted Flows and Loads				Debt Svc - based on Permitted Flows and Loads				TOTAL			
			Flow	Billable Peak Flow	BOD	TSS	TOTAL	FLOW	PEAK FLOW	TOTAL FLOW		BOD	TSS	TOTAL
Municipalities: Duluth-														
1	Duluth	Budget	\$3,456,272	\$674,678	\$975,807	\$1,779,555	\$6,886,311	\$1,372,906	\$1,018,936	\$2,391,841	\$321,267	\$491,199	\$3,204,307	\$10,090,618
2	Cloquet	Budget	\$260,346	\$35,538	\$121,815	\$224,668	\$642,367	\$111,619	\$84,127	\$195,746	\$37,513	\$68,664	\$301,922	\$944,289
3	Proctor	Budget	\$110,355	\$20,033	\$38,243	\$66,299	\$234,930	\$48,142	\$34,061	\$82,203	\$11,362	\$15,015	\$108,580	\$343,510
4	Hermantown	Budget	\$173,213	\$16,002	\$84,457	\$112,283	\$385,955	\$59,223	\$47,121	\$106,344	\$30,046	\$35,298	\$171,687	\$557,643
5	Esko	Budget	\$48,550	\$11,765	\$21,175	\$30,825	\$112,314	\$18,586	\$15,952	\$34,539	\$6,790	\$9,546	\$50,875	\$163,189
6	Scanlon	DE	\$42,539	\$6,665	\$22,221	\$27,894	\$99,320	\$11,736	\$10,995	\$22,731	\$4,728	\$5,103	\$32,562	\$131,882
7	Carlton	Budget	\$43,310	\$11,251	\$12,882	\$18,495	\$85,937	\$21,122	\$15,016	\$36,138	\$3,196	\$4,193	\$43,528	\$129,465
8	Rice Lake	DE	\$15,695	\$5,294	\$8,212	\$10,309	\$39,510	\$6,727	\$6,047	\$12,774	\$2,490	\$2,730	\$17,995	\$57,505
9	Twin Lake	Budget	\$8,528	\$2,166	\$11,191	\$12,532	\$34,418	\$7,136	\$5,846	\$12,982	\$5,162	\$5,476	\$23,620	\$58,038
10	Pike Lake	DE	\$24,301	\$4,306	\$12,721	\$15,968	\$57,296	\$8,502	\$7,166	\$15,668	\$3,288	\$3,582	\$22,537	\$79,833
11	Knife River	DE	\$6,037	\$2,198	\$3,140	\$3,942	\$15,317	\$2,084	\$2,943	\$5,027	\$855	\$941	\$6,824	\$22,140
12	Oliver	DE	\$4,727	\$808	\$2,496	\$3,133	\$11,163	\$1,899	\$1,522	\$3,421	\$768	\$839	\$5,029	\$16,192
13	Thomson	DE	\$2,183	\$404	\$1,127	\$1,415	\$5,129	\$1,378	\$962	\$2,340	\$635	\$674	\$3,649	\$8,778
14	Wrenshall	DE	\$8,349	\$1,817	\$4,348	\$5,458	\$19,971	\$3,141	\$2,323	\$5,464	\$1,247	\$1,359	\$8,069	\$28,040
15	Jay Cooke	DE	\$591	\$538	\$322	\$404	\$1,855	\$496	\$484	\$981	\$212	\$242	\$1,435	\$3,290
16	Midway	DE	\$1,361	\$17	\$966	\$910	\$3,254	\$1,278	\$684	\$1,962	\$374	\$444	\$2,779	\$6,034
17	MPCA Landfill	DE	\$642	\$98	\$322	\$404	\$1,466	\$3,081	\$1,418	\$4,499	\$1,133	\$1,286	\$6,918	\$8,384
18	Unused	DE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	North Shore	DE	\$14,565	\$6,707	\$7,649	\$9,601	\$38,522	\$6,122	\$7,558	\$13,680	\$2,414	\$2,664	\$18,757	\$57,279
21	Totals-Municipalities		\$4,221,563	\$800,284	\$1,329,094	\$2,324,094	\$8,675,035	\$1,685,177	\$1,263,161	\$2,948,338	\$433,480	\$649,254	\$4,031,072	\$12,706,107
Industrials-														
22	Georgia Pacific		\$0	\$0	\$0	\$0	\$0	\$3,744	\$1,487	\$5,232	\$8,310	\$1,892	\$15,433	\$15,433
23	Sappi		\$4,303,636	\$58,213	\$3,291,576	\$2,339,860	\$9,993,285	\$1,324,132	\$421,704	\$1,745,837	\$1,078,877	\$511,477	\$3,336,191	\$13,329,476
24	ST Paper 1		\$647,436	\$37,126	\$635,321	\$156,651	\$1,476,534	\$334,276	\$140,568	\$474,844	\$429,719	\$53,402	\$957,965	\$2,434,499
25	USG		\$129,775	\$7,935	\$163,681	\$501,182	\$802,573	\$47,642	\$22,099	\$69,741	\$42,700	\$88,354	\$200,795	\$1,003,369
27	Specialty Minerals		\$50,014	\$1,298	\$403	\$50,229	\$101,944	\$21,160	\$8,786	\$29,946	\$162	\$28,436	\$58,543	\$160,487
28	Totals-Industrials		\$5,130,861	\$104,573	\$4,090,980	\$3,047,922	\$12,374,336	\$1,730,956	\$594,644	\$2,325,600	\$1,559,767	\$683,561	\$4,568,928	\$16,943,264
30	Totals-All Users		\$9,352,425	\$904,857	\$5,420,074	\$5,372,016	\$21,049,371	\$3,416,133	\$1,857,805	\$5,273,938	\$1,993,247	\$1,332,815	\$8,600,000	\$29,649,371