

Our intention is to have in-person meetings going forward. We will hold meetings at 300 Bliss Avenue. This in-person location will meet the legal requirement for our open meetings. We will have a virtual option available, but the technology for the hybrid style meeting may not be reliable all of the time.

**City of Stevens Point
Board of Water and Sewerage Commissioners
October 9, 2023 - 12:00 PM**

**Stevens Point Public Utilities
300 Bliss Avenue, Stevens Point, WI**

OR

Zoom Teleconferencing

Meeting ID: | 820 26885705

By Computer: <https://us02web.zoom.us/j/82026885705>

By Phone: (303) 715-8592

AGENDA

- I. Discussion and Possible Action on:
 1. Roll Call.
 2. Approval of Minutes
 3. Approval of Department Claims
 4. Update on the Capital Operations & Maintenance Plan - *Joel Lemke*
 5. Water Supply and Distribution Reports - *Eric Southworth*
 6. Sewage Treatment Operations Report - *Chris Lefebvre*
 7. Construction and Maintenance Report - *Shane Kohnen*
 8. Directors Report - *Joel Lemke*
 9. Adjournment.

The next Water and Sewerage Commission meeting will be Monday, November 13, 2023 at noon.

Any person who has special needs while attending this meeting or needing agenda materials for this meeting should contact the Director as soon as possible to ensure a reasonable accommodation can be made. The Director can be reached by telephone at (715) 345-5260, or by mail at 300 Bliss Avenue, P.O. Box 243 Stevens Point, WI.

Copies of resolutions, reports and minutes of the Board of Water & Sewerage Commission Meetings are on file at the Admin Office of the Water & Sewerage Departments for inspection during normal business hours from 7:30 A.M. to 4:00 P.M.

**City of Stevens Point
Board of Water and Sewerage Commissioners
September 11, 2023 - 12:00 PM
Stevens Point Public Utilities
300 Bliss Avenue, Stevens Point, WI**

OR

Zoom Teleconferencing

Meeting ID: | 820 26885705

By Computer: <https://us02web.zoom.us/j/82026885705>

By Phone: (303) 715-8592

MINUTES

I. Discussion and Possible Action on:

1. Roll Call.

PRESENT: Paul Adamski, Carl Rasmussen, Mae Nachman, Anna Haines and Ray Schmidt

ALSO PRESENT: Joel Lemke, Mary Klesmith, Chris Lefebvre, Shane Kohnen, Jason Draheim, Jaime Zdroik and Alderman Shuda.

2. Approval of Minutes

Motion made by Ray Schmidt, seconded by Carl Rasmussen to approve the August 14, 2023 meeting minutes of the Board of Water & Sewerage Commission.

Ayes all. Nays none. Motion carried.

3. Approval of Department Claims

Ray mentioned a typo in the Water Department claims check #58109. He would like the street changed from Pear to Pearl.

Motion made by Mae Nachman, seconded by Carl Rasmussen to approve the department claims for the month of August as audited and read.

Ayes all. Nays none. Motion carried.

4. Water Supply and Distribution Reports - *Eric Southworth*

The Commission reviewed the pumpage reports. A discussion was held regarding Well 11 pumpage. Joel stated that they are pumping within the parameters that were set when the well replacement program was established.

5. Sewage Treatment Operations Report - *Chris Lefebvre*

Chris stated there is no written response for the DNR Inspection. We just had to submit the CMOM updates to the DNR. The WWTP met all permit requirements for the month of August. Chris explained the reason the fecal coliform was over the limit one week in September. There was a rack of UV bulbs that were not cleaned, so this is the reason the limit was exceeded. The UV Equipment is on the 2024 Capital Improvements. The

new equipment will be self-cleaning.

6. Construction and Maintenance Report - Shane Kohnen

Shane stated the construction crew are continuing to work on lead service replacements. They are also working on maintenance of manholes and valves. The Collections crew is continuing to work on jetting and cutting lines. Integrity is currently digging utilities on Algoma Street. A1 Construction is finishing up with digging swales and grading for paving on the South side/Bush Street project.

7. Directors Report - Joel Lemke

Joel had nothing to discuss today.

8. Adjournment.

Motion made by Ray Schmidt to adjourn the meeting.

Ayes all. Nays none. Motion carried.

Meeting Adjourned: 12:18PM

REPORT TO THE OCTOBER 9, 2023
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

WATER DEPARTMENT

FINANCES:

Bank balance as of September 1, 2023

Bank deposits recorded in September 2023

\$	6,437,998.00
\$	304,102.31
\$	6,742,100.31

CHECKS ISSUED SEPTEMBER 2023:

58165	Mae Nachman	Salary	57.37
58192	Aspirus Medical Group, Inc.	Pre-Employment Testing	357.50
58193	Candlewood Property Management	Refund Check 038933-000, 725B Prentice Street	53.96
58194	CDW Government	Troubleshoot Well 11 Alarm Connectivity	117.50
58195	City Of Stevens Point	Concrete work	22,846.00
58196	Dolce Digital Imaging	Door hanger-Printing	480.00
58197	Fastenal Company	Supplies	439.23
58198	Franks Hardware Co Inc	Tools & Supplies	314.29
58199	Hawkins Inc	Chemicals	3,075.27
58200	Martelle Water Treatment	Chemicals	8,444.79
58201	Northern Lake Services Inc	Lead and Copper Testing	759.00
58202	US Postmaster	Postage - 20 Rolls of Forever Stamps	1,320.00
58203	Schierl Inc	Replacement front tires-backhoe	826.90
58205	Strand Associates Inc	Well 12 Professional Services	343.04
58206	Teamsters Union Local 662	Union Dues	1,571.00
58210	Wroblewski Concrete Construction, LLC	Inventory	676.00
58211	Aramark	Rug service	45.90
58212	City Of Stevens Point	Retirement, fuel & IT charges	29,629.11
58213	CORE & MAIN LP	Inventory	1,301.12
58214	Ferguson Waterworks #1476	Inventory	12,868.00
58215	INFOSEND INC	Monthly Invoices & Delinquent/Disconnect Notices - Printing & Postage	4,800.00
58217	Roberts Irrigation Company Inc	Fittings	257.00
58219	Springbrook Holding Company LLC	Civic Pay Transaction Fee Customer Portal	1,070.00
58220	USA Blue Book	Lab supplies	708.15
58221	Waste Mangmt of WI-MN	Dumpster Service	360.06
58222	Wi State Laboratory of Hygiene	Fluoride testing	28.00
58223	Community Foundation of Central WI	Employee Contribution	10.00
58224	United Way Of Portage County	United Way	36.00
58225	AnSer	After hours answering service	155.00
58226	Clark Dietz	Professional Services - 2024 Street Improvement	7,436.00
58228	Dakota Supply Group	Inventory	170.10
58231	Ferguson Waterworks #1476	Inventory	2,366.50
58233	Lincoln Contractors Supply Inc	Jumping Jack Repair	179.62
58235	Marshfield Clinic Health System/MCHS	Pre-employment Testing	73.00
58236	Metron-Farnier LLC	3" Meter	1,885.34
58237	Northern Lake Services Inc	Lead & Copper Testing	231.00
58238	Mastercard	Supplies	536.20
58239	Anthony Sterling	Uniform Reimbursement	52.73
58241	Wisconsin Division of Energy EAP - UN	Refund Check 006930-000, 2726 Soo Marie Ave	249.50
58242	Wisconsin Division of Energy EAP - UN	Refund Check 006596-000, 2142 Strong's Ave	163.55
58244	Donna's Cleaning Service	Water Office & Utility Garage Cleaning	300.00
58246	Heartland Business Systems, LLC	Managed Services	207.68
58248	Lou's Gloves	Gloves	424.00
58251	Strand Associates Inc	Professional Services - 2024 Street Improvements	42,380.00
58252	Menke Motor Co Inc	Replacement Truck	54,489.50
58253	Badger Heating & Air Conditioning	Repairs to chiller at Utility Garage	112.50
58254	CORE & MAIN LP	Inventory	8,395.10
58255	Ferguson Waterworks #1476	Inventory	2,320.00
58257	Petty Cash	Mileage, postage, conference expenses	374.97
58259	TruXcessorize Inc.	Plow for Truck 1	10,300.00
58260	Mastercard	Office supplies, GIS Web Service, hydrant meter parts, filters, flashlights & tape, AWWA Conference, cleaning supplies	1,939.40

58261	Community Foundation of Central WI	Employee Contribution	10.00		
58262	United Way Of Portage County	United Way	14.00		
58264	Aramark	Rug service	45.90		
58265	Central States H & W Fund	Health Insurance Premiums	57,005.36		
58266	City Of Stevens Point	Workers Comp Insurance Premiums	2,183.54		
58267	County Materials Corp	Speedcrete	194.00		
58268	Dave Czerwinski	Refund Check 009996-000, 1425 W River Dr	7.20		
58270	Hawkins Inc	Chemicals	4,540.20		
58273	SJE	SCADA Repairs	576.00		
58274	Titan Property Management LLC	Refund Check 024222-000, 441A Fourth Ave	53.15		
58276	Wroblewski Concrete Construction, LLC	Inventory	442.00		
58277	Natalino Xuereb	Refund Check 039064-000, 324 W Cornell Ave	25.08		
	WPS	Utility Charges	30,932.52		
	Payroll	Payroll	11,681.33		
	IRS PR Tax	Payroll Taxes - Federal	49,967.63		
	DOR PR Tax	Payroll Taxes - State	10,218.17		
	Verizon Cell & iPad Charges	Phone & iPad Charges	549.01		
	DOR Garnishment	Garnishment	9.32		
	HRA Admin Fees	Renewal & Admin Fees	30.00		
	TOTAL EXPENSES LISTED			\$ 396,021.29	\$ 396,021.29
	BALANCE ON HAND SEPTEMBER 30, 2023				
		Balance on Hand	\$ 6,346,079.02		
		Plus uncleared checks	\$ 70,248.88		
		Less checks previously written clearing this month	\$ (12,660.67)		
		Ending Cash Balance matching Bank Statements	\$ 6,403,667.23		
		Less Restricted Funds	\$ (1,132,418.33)		
		Cash on Hand	\$ 5,271,248.90		

REPORT TO THE OCTOBER 9, 2023
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS
SEWAGE DEPARTMENT

FINANCES:

Bank Balance as of September 1, 2023

\$ 8,737,096.79

Bank Deposits recorded in September 2023

\$ 360,413.14

\$ 9,097,509.93

CHECKS ISSUED IN SEPTEMBER 2023:

58193	Candlewood Property Management	Refund Check 038933-000, 725B PRENTICE ST	72.37
58204	State of Wisconsin/DATCP	Fertilizer License Renewal	239.56
58208	USA Blue Book	Gaskets	56.58
58211	Aramark	Rug service	210.34
58212	City Of Stevens Point	Retirement, fuel & IT charges	6,043.81
58216	NCL of Wisconsin Inc	Lab supplies	456.98
58226	Clark Dietz	Professional Services - 2024 Street Improvement	1,859.00
58227	Cooper Oil Company Inc	Fuel	8.10
58230	Fastenal Company	Belts for pipe flanges	84.55
58232	Hawkins Inc	Chemicals	688.34
58234	MacQueen Equipment	Jetter Repairs	781.78
58238	Mastercard	Televising setup	410.88
58240	Mark Zalewski	Uniform Reimbursement	73.33
58241	Wisconsin Division of Energy EAP - UN	Refund Check 006930-000, 2726 Soo Marie Ave	358.31
58242	Wisconsin Division of Energy EAP - UN	Refund Check 006596-000, 2142 Strongs Ave	158.82
58243	Bond Trust Services Corp	2022 Revenue Bond Debt - Interest Ref#341160	61,456.25
58244	Donna's Cleaning Service	Water Office & Utility Garage Cleaning	25.00
58245	Harter's Fox Valley Disposal	Dumpster Service	577.20
58246	Heartland Business Systems, LLC	Managed Services	207.68
58247	JX Leasing/JX Rental	Quad Axle Rental for sludge hauling	1,530.00
58249	Midstate Lock & Safe LLC	Lock repair - lab office	135.00
58250	NAPA	O-rings	19.90
58251	Strand Associates Inc	Professional Services - 2024 Street Improvements	10,595.00
58253	Badger Heating & Air Conditioning	Repairs to chiller at Utility Garage	56.25
58257	Petty Cash	Employee Anniversary	45.00
58258	Travelers	Boiler & machinery insurance	9,723.00
58260	Mastercard	Batteries for portable samplers, Anniversary Lunch - Chris & Ryan, Digester boiler operation permit, DNR Operator Cert Renewal-Adam & Mike, IT pipes web service, tools for conduit, liners for sludge hauling, Teamviewer Subscription Renewal, WWWO Membership Renewal, supplies	3,621.48
58263	Aquachem of America Inc.	Chemicals	17,940.00
58264	Aramark	Rug service	210.34
58265	Central States H & W Fund	Health Insurance Premiums	8,679.84
58266	City Of Stevens Point	Workers Comp Insurance Premiums	1,208.34
58268	Dave Czerwinski	Refund Check 009996-000, 1425 W River Dr	8.46
58271	JX Leasing/JX Rental	Quad axle rental for sludge hauling	1,530.00
58272	NCL of Wisconsin Inc	Lab supplies	573.35
58274	Titan Property Management LLC	Refund Check 024222-000, 441A Fourth Ave	67.79
58275	Waste Mangmt of WI-MN	Sludge hauling expense	11,145.03
58277	Natalino Xuereb	Refund Check 039064-000, 324 W Cornell Ave	34.85
58278	Xylem Water Solutions USA Inc	Drainage pump repair	2,726.50
	HRA	HRA Admin Fee	30.00
	Verizon Charges	Verizon Charges	243.96
	WPS Utility Charges	Gas & Electric	37,358.41
	Sewer Payroll	Payroll	73,619.83
	Payroll Taxes	Payroll Taxes	5,122.99

TOTAL OF EXPENSES LISTED

\$ 259,994.20 \$ 259,994.20

BALANCE ON HAND SEPTEMBER 30, 2023

Balance on Hand \$ 8,837,515.73

Plus uncleared checks \$ 48,263.11

Less checks previously written clearing this month \$ (45,038.02)

Ending Cash Balance matching Bank Statements **\$ 8,840,740.82**

Less Restricted Balance \$ (5,561,018.97)

TOTAL \$ 3,279,721.85

***Additional restricted cash of \$250,000.00 is invested in CDs.

REPORT TO THE OCTOBER 2023
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

STORM WATER DEPARTMENT

FINANCES:

Bank balance as of September 1, 2023

Bank deposits recorded in September 2023

\$	4,504,044.46
\$	102,344.83
\$	4,606,389.29

CHECKS ISSUED SEPTEMBER 2023:

58191	American Asphalt Of WI	Hot mix	295.52	
58195	City Of Stevens Point	Concrete work	4,750.00	
58207	Transit Department	Grounds keeping work completed for the Utilities	194.22	
58209	UWSP-Schmeckle Reserve	Phragmites Treatment	593.22	
58212	City Of Stevens Point	Retirement, fuel & IT charges	4,986.89	
58218	Rogan's Shoes	Boot allowance	9.35	
58226	Clark Dietz	Professional Services - 2024 Street Improvement	1,859.00	
58229	Dolce Digital Imaging	Business Cards - Shane	47.00	
58238	Mastercard	Tools	97.44	
58242	Wisconsin Division of Energy EAP - UN	Refund Check 006596-000, 2142 Strongs Ave	41.36	
58243	Bond Trust Services Corp	2021 Revenue Bond Debt - Interest Ref#340298, 2019	55,250.00	
		Revenue Bond Debt - Interest Ref#335110, Revenue Bond -		
		Paying Agent Fee		
58244	Donna's Cleaning Service	Water Office & Utility Garage Cleaning	25.00	
58246	Heartland Business Systems, LLC	Managed Services	207.68	
58251	Strand Associates Inc	Professional Services - 2024 Street Improvements	10,595.00	
58253	Badger Heating & Air Conditioning	Repairs to chiller at Utility Garage	56.25	
58256	H&S Protection Systems Inc	Update alarm panels to add Brad	62.50	
58257	Petty Cash	Conference expenses, mileage	256.00	
58260	Mastercard	AWWA Conference, GIS Web Service, WI AWWA	1,344.74	
		Registration & Membership		
58265	Central States H & W Fund	Health Insurance Premiums	4,752.80	
58266	City Of Stevens Point	Workers Comp Insurance Premiums	722.87	
58267	County Materials Corp	Speedcrete	194.00	
58268	Dave Czerwinski	Refund Check 009996-000,1425 W River Dr	4.34	
58269	Colten Gaylord	Boot allowance	125.00	
	Verizon	Ipad & cell phone charges	440.50	
	Payroll	Payroll	26,470.57	
	IRS	Payroll Taxes	2,801.52	
	WPS	Monthly Utility Charges	19.96	
TOTAL OF EXPENSES LISTED			\$ 116,202.73	\$ 116,202.73
BALANCE ON HAND SEPTEMBER 30, 2023				\$ 4,490,186.56

Balance on Hand	\$ 4,490,186.56
Plus checks written after the end of this month	
Plus uncleared checks	\$ 7,232.11
Less checks previously written clearing this month	\$ (2,600.78)
Ending Cash Balance matching Bank Statements	\$ 4,494,817.89

REPORT TO THE OCTOBER 2023
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

FIBER (COMMUNITY AREA NETWORK)

FINANCES:

Bank balance as of September 1, 2023

\$ 427,763.22

Bank deposits recorded in September 2023

\$ 167.53

\$ 427,930.75

CHECKS ISSUED SEPTEMBER 2023:

TOTAL OF EXPENSES LISTED

\$ -

BALANCE ON HAND SEPTEMBER 30, 2023

\$ 427,930.75

Balance on Hand

\$ 427,930.75

Plus checks written after the end of this month

Plus uncleared checks

Less checks previously written clearing this month

Ending Cash Balance matching Bank Statements

\$ 427,930.75

STEVENS POINT, WISCONSIN WATERWORKS REPORT

FOR SEPTEMBER 2023

CURRENT YEAR VS. PREVIOUS YEAR

	2022	2023	INCREASE	DECREASE	RECORD HIGH	DATE	
Total pumpage, gallons	227,586,000	239,167,000	11,581,000		279,073,000	Sep-03	
Daily pumping average, in gallons	7,586,200	7,972,200	386,000				
Peak pumpage, gallons, (date)	8,796,000 (7TH)	10,316,000 (1ST)	1,520,000		12,325,000	9/11/2003	
Low pumpage, gallons, (date)	6,840,000 (24TH)	5,925,000 (30TH)		915,000	1,585,000 3,184,000	09/06/70 9/24/1996	◀Record low since 1995 when the utility started providing water to Stora Enso.
Power bill	\$24,435.56	\$29,351.54	\$4,915.98		\$29,351.54	Sep-23	
K.W.H's used	266,115	273,466	7,351				
Gallons pumped per K.W.H.	855	875	20				

STEVENS POINT WATER DEPARTMENT CONSUMPTION HISTORY

(Pumpage x 1,000)

MONTH	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
JANUARY	178,957	188,381	138,644	150,622	142,263	147,206	140,438	131,056	135,295	140,095
FEBRUARY	173,997	173,503	135,391	131,127	135,573	132,869	123,311	124,330	132,142	134,021
MARCH	169,879	195,466	150,690	138,327	154,358	148,770	139,881	131,189	146,717	147,561
APRIL	167,050	171,871	146,563	127,470	135,713	133,238	142,367	135,484	145,731	154,752
MAY	208,084	211,721	174,529	149,292	154,346	168,410	141,687	175,174	173,606	151,986
JUNE	284,930	238,070	225,268	181,763	181,220	187,095	175,722	187,693	167,417	182,687
JULY	280,293	261,545	214,800	199,876	199,645	240,487	202,817	185,672	187,544	215,463
AUGUST	275,018	251,597	206,429	231,447	210,777	225,280	179,208	167,623	208,123	188,933
SEPTEMBER	239,167	227,586	181,626	174,925	169,779	181,556	157,626	151,238	175,833	160,492
OCTOBER		206,986	188,859	170,759	143,805	148,186	151,878	143,498	165,156	145,722
NOVEMBER		191,454	169,636	151,193	135,482	133,317	137,452	126,023	119,924	135,922
DECEMBER		194,570	186,582	139,795	146,329	143,324	133,796	141,554	126,294	138,224
Grand Total/Yr	1,977,375	2,512,750	2,119,017	1,946,596	1,909,290	1,989,738	1,826,183	1,800,534	1,883,782	1,895,858

**STEVENS POINT WATER DEPARTMENT
WELL 11 PUMPAGE HISTORY**

(Pumpage x 1,000)

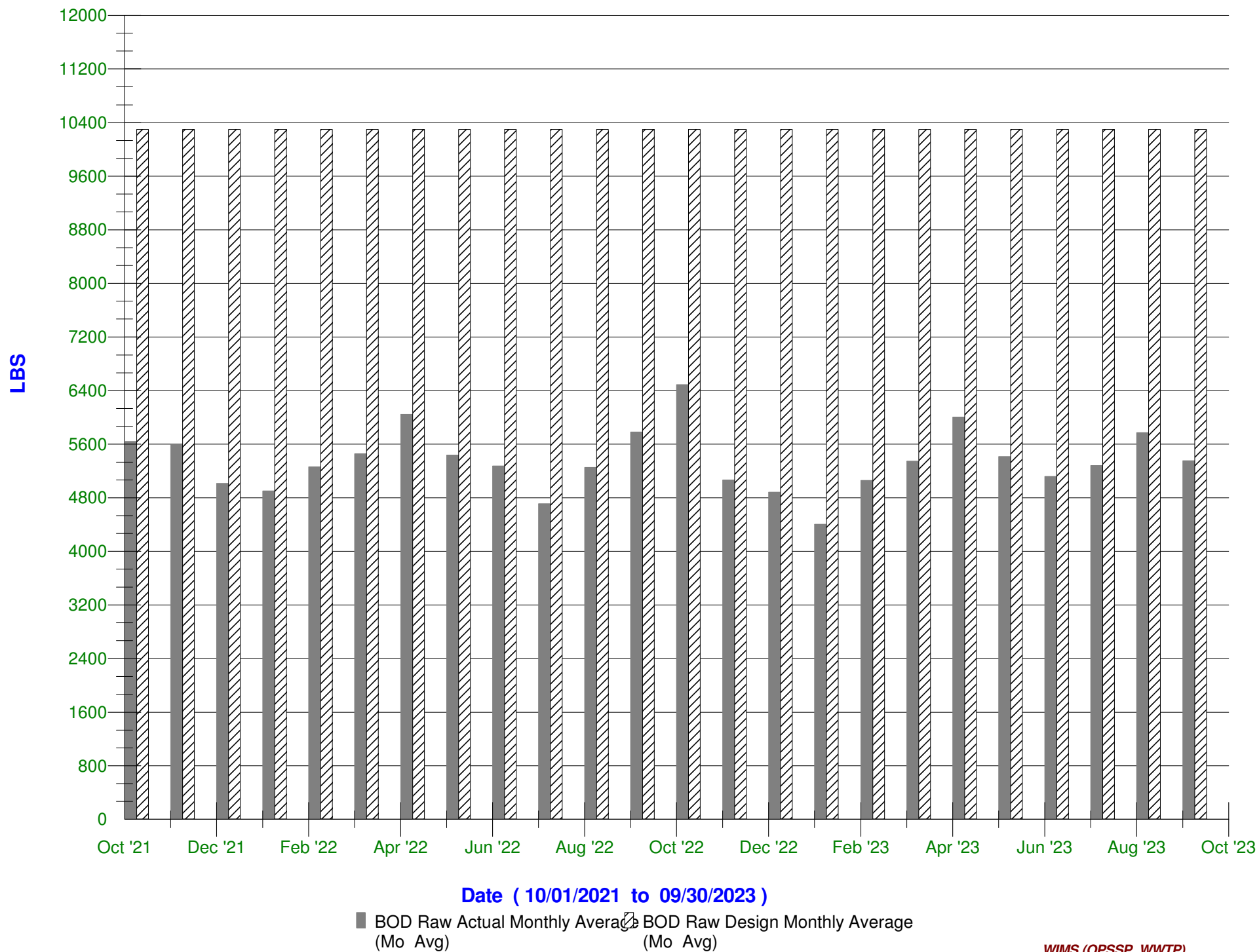
MONTH	2023	2022	2021	2020	2019	2018	2017
JANUARY	88,937	88,942	83,106	82,287	82,112	88,989	89,079
FEBRUARY	79,725	80,355	80,293	83,129	80,253	80,441	80,474
MARCH	81,120	88,834	88,768	88,771	88,609	76,469	88,652
APRIL	84,933	84,742	86,110	86,022	84,640	86,223	76,187
MAY	88,563	88,861	88,978	88,891	88,880	88,968	66,836
JUNE	93,567	85,473	86,219	86,029	85,990	86,098	74,224
JULY	98,201	89,341	89,195	86,944	88,225	88,869	88,996
AUGUST	98,201	89,417	88,490	88,902	88,811	88,978	88,973
SEPTEMBER	88,166	86,525	86,109	86,044	85,974	86,010	86,157
OCTOBER		89,828	86,373	88,916	88,841	87,366	89,120
NOVEMBER		86,211	86,217	82,881	85,244	85,751	86,441
DECEMBER		89,035	89,444	88,909	88,890	87,468	72,909
Grand Total/Yr	801,413	1,047,564.00	1,039,302	1,037,725	1,036,469	1,031,630	988,048

Final Effluent Discharge Data

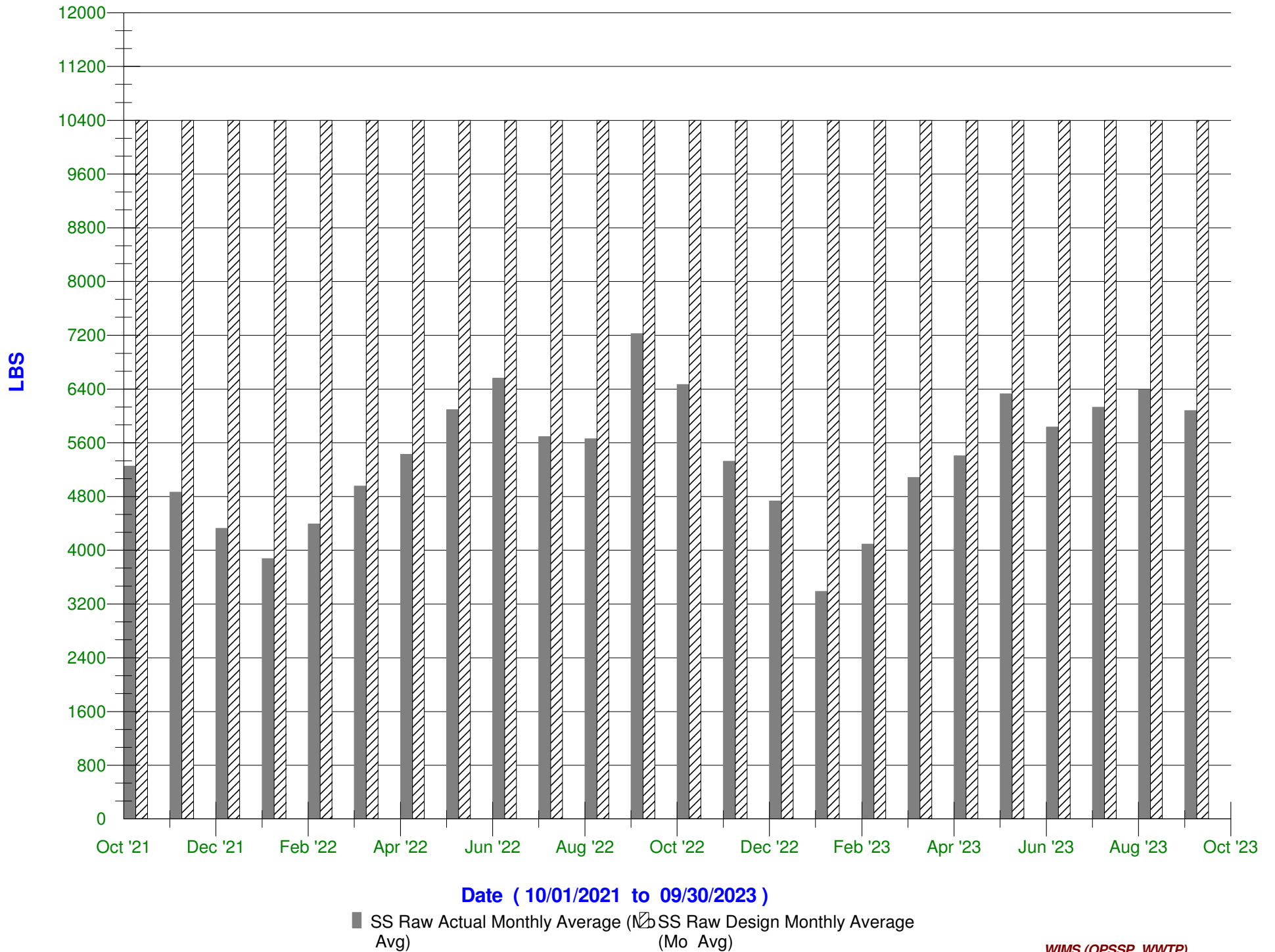
September 2023

		Sewage Flow		BOD					S.S.					Phosphorus				Fecal	Effluent
		Raw	Final	Raw	Final	%	Raw	Final	Raw	Final	%	Raw	Final	Raw	Final	Raw	Final	Coliform	Ammonia
Date	Precip INCHES	MGD	MGD	MG/L	CBOD MG/L	Reduct.	Pounds BOD/Day	Pounds CBOD/Day	(ppm)	(ppm)	Reduct.	Pounds SS/Day	Pounds SS/Day	(ppm)	(ppm)	P/Day	P/Day	Final #/100 ml	mg/L
09/01/2023	0.00	2.019	2.109	343	4.94	99	5,776	87	344	5.00	99	5,792.43	88						
09/02/2023	0.00	1.847	1.930	269	3.47	99	4,144	56	364	4.65	99	5,607.05	75	6.790	0.300	105	5		18
09/03/2023	0.00	1.870	1.958	329	6.42	98	5,131	105	232	2.00	99	3,618.23	33	6.060	0.280	95	5		33
09/04/2023	0.00	2.057	2.086	308	4.60	99	5,284	80	332	2.20	99	5,695.59	38	6.580	0.300	113	5		27
09/05/2023	0.00	2.206	2.302	315	4.72	99	5,795	91	324	2.95	99	5,960.96	57						
09/06/2023	0.00	2.250	2.230	263	4.87	98	4,935	91	220	3.79	98	4,128.30	70						
09/07/2023	0.32	2.170	2.255	380	4.83	99	6,877	91	356	3.97	99	6,442.82	75					688	
09/08/2023	0.00	2.099	2.133	304	4.77	98	5,322	85	280	3.94	99	4,901.58	70	5.980	0.300	105	5	252	35
09/09/2023	0.00	1.990	1.986	275	4.10	99	4,564	68	220	3.57	98	3,651.25	59						
09/10/2023	0.09	2.073	2.135	274	3.65	99	4,737	65	300	4.51	98	5,186.65	80	4.530	0.330	78	6		29
09/11/2023	0.03	2.140	2.206	342	4.37	99	6,104	80	360	4.80	99	6,425.14	88	5.910	0.340	105	6		28
09/12/2023	0.01	2.173	2.271	352	4.59	99	6,379	87	400	5.60	99	7,249.13	106						
09/13/2023	0.80	2.136	2.247	301	4.23	99	5,362	79	384	4.95	99	6,840.67	93						
09/14/2023	0.00	2.108	2.282	323	4.25	99	5,679	81	456	6.00	99	8,016.81	114						
09/15/2023	0.00	2.029	2.093	251	3.60	99	4,247	63	380	5.15	99	6,430.31	90						27
09/16/2023	0.01	1.896	1.962	236	3.50	99	3,732	57	368	3.92	99	5,819.05	64	6.630	0.274	105	4		30
09/17/2023	0.00	1.962	1.996	340	3.45	99	5,563	57	336	4.20	99	5,497.99	70	5.510	0.274	90	5		
09/18/2023	0.00	2.105	2.188	410	6.09	99	7,198	111	448	4.50	99	7,864.95	82	6.550	0.290	115	5	64	26
09/19/2023	0.00	2.162	2.269	449	6.80	98	8,096	129	440	5.50	99	7,933.68	104						
09/20/2023	0.00	2.163	2.136	404	4.22	99	7,288	75	388	4.86	99	6,999.29	87						
09/21/2023	0.00	2.100	2.207	358	3.82	99	6,270	70	392	4.85	99	6,865.49	89						
09/22/2023	0.00	2.100	2.211	316	3.57	99	5,534	66	380	4.70	99	6,655.32	87						
09/23/2023	1.48	2.184	2.312	242	2.92	99	4,408	56	244	3.80	98	4,444.35	73	5.410	0.470	99	9		26
09/24/2023	0.43	2.048	2.161	227	3.07	99	3,877	55	472	3.96	99	8,061.91	71	5.340	0.274	91	5		32
09/25/2023	0.31	2.257	2.404	215	2.96	99	4,047	59	68	3.40	95	1,279.99	68	4.510	0.280	85	6	22	34
09/26/2023	0.37	2.287	2.426	150			2,861		560	3.40	99	10,681.20	69						
09/27/2023	0.25	2.254	2.377	380			7,148		480	3.50	99	9,023.21							
09/28/2023	0.00	2.242	2.368	349	2.25		6,521		144	3.00	98	2,692.55							
09/29/2023	0.01	2.202	2.317								100								
09/30/2023	0.00	2.189	2.302								100								
											100								
Total	4.11	63.318	65.859	8,705	110	2,465	152,880	1,945	9,672	116.67	3,062	169,765.90	2,001	69.800	3.712	1,185.099	66.040	1,026.000	344.450
Average	0.14	2.111	2.195	311	4	99	5,460	78	345	4.17	99	6,063.07	77	5.817	0.309	98.833	5.500	256.500	28.750
Maximum	1.48	2.29	2.43	449.00	6.80	98.99	8,095.95	128.68	560.00	6.00	100.00	10,681.20	114.19	6.79	0.47	114.99	9.06	688.00	35.25
Minimum	0.00	1.85	1.93	150.00	2.25	98.05	2,861.04	55.33	68.00	2.00	95.00	1,279.99	32.66	4.51	0.27	78.32	4.48	22.00	18.20

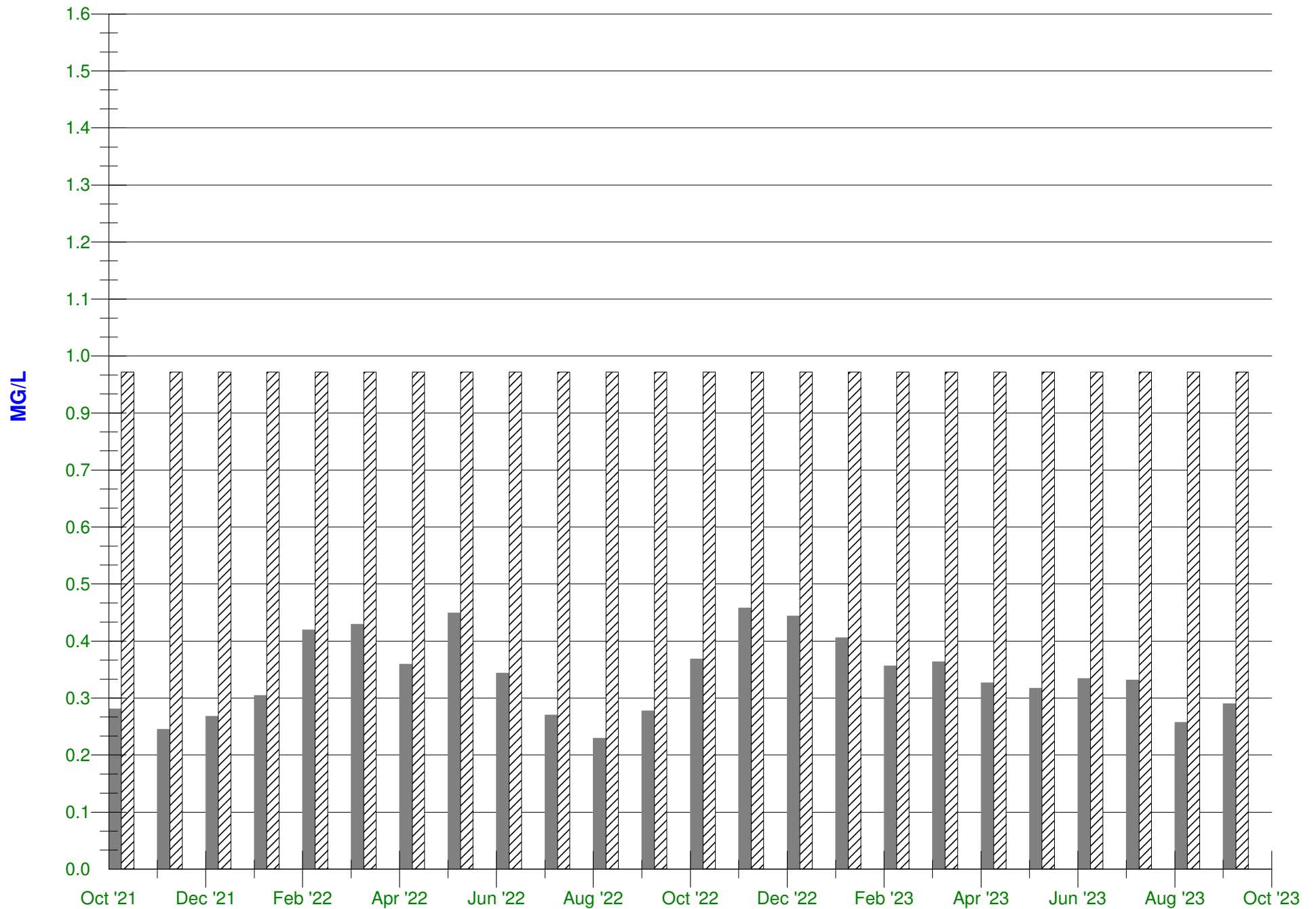
BOD Raw 2 Year History



SS Raw 2 Year History



Phosphorus mg/l 2 Year History



Date (10/01/2021 to 09/30/2023)

■ Effluent Phosphorous Total (Mo Avg) ■ Phosphorus Final Limit (Mo Avg)

Sewage Plant Monthly Average

	Temperature		Precip.	Sewage Flow		Phosphorus				BOD					Suspended Solids						Per Day	Gas
Month	Max °F	Min °F	INCHES	Influent MGD	Effluent MGD	Raw Influent		Final Effluent		Raw Influent		Final CBOD Eff.		Reduction	Raw Influent		Final Effluent		Reduction	Power kW	LBS BOD Removed	Production Per Day CUFT
						MG/L	LBS	MG/L	LBS	MG/L	LBS	MG/L	LBS	%	MG/L	LBS	MG/L	LBS	%			
Oct 2022	59	36	1.38	2.098	2.356	6.594	113	0.393	8	368	6,439	3.76	73.89	99	368	6,433	3.56	69.97	99	3,987	6,365	
Nov 2022	46	21	2.92	2.129	2.428	5.290	93	0.488	10	284	5,041	3.54	71.60	99	297	5,264	3.99	80.89	99	4,433	4,969	
Dec 2022	25	13	1.85	2.027	2.248	5.591	96	0.473	9	287	4,852	3.56	66.72	99	278	4,703	3.83	71.75	99	4,667	4,785	
Jan 2023	28	19	1.35	2.045	2.440	5.414	93	0.433	9	257	4,389	3.45	70.30	99	198	3,385	4.61	93.78	98		4,319	
Feb 2023	31	11	1.95	2.130	2.164	5.077	89	0.380	7	284	5,048	4.71	85.01	98	230	4,092	5.19	93.59	98	6,236	4,963	
Mar 2023	38	20	2.54	2.312	2.583	4.831	90	0.388	8	278	5,355	4.41	94.98	98	262	5,045	5.12	110.21	98	7,161	5,260	
Apr 2023	54	34	4.90	3.030	3.212	3.529	89	0.348	9	239	6,046	5.36	143.54	98	217	5,488	6.57	176.06	97	5,800	5,903	
May 2023	68	45	2.05	2.523	2.760	4.483	99	0.338	8	258	5,427	3.08	70.89	99	300	6,311	3.71	85.47	99	5,839	5,356	
Jun 2023	80	55	1.47	2.087	2.195	4.642	80	0.357	7	293	5,103	3.17	57.98	99	335	5,821	3.61	65.99	99	5,533	5,045	
Jul 2023	82	58	2.69	2.015	2.243	5.314	89	0.353	6	312	5,249	3.59	67.12	99	363	6,108	3.79	70.93	99	5,413	5,181	
Aug 2023	81	58	1.71	2.048	2.118	5.804	99	0.275	5	336	5,744	4.88	86.24	99	374	6,388	4.76	84.07	99	5,581	5,657	
Sep 2023	74	54	4.11	2.111	2.195	5.817	99	0.309	6	311	5,472	4.23	77.50	99	345	6,080	4.17	76.29	99	5,667	5,395	
Minimum	25	11	1.35	2.015	2.118	3.529	80	0.275	5	239	4,389	3.08	57.98	98	198	3,385	3.56	65.99	97	3,987	4,319	
Maximum	82	58	4.90	3.030	3.212	6.594	113	0.488	10	368	6,439	5.36	143.54	99	374	6,433	6.57	176.06	99	7,161	6,365	
Total	665	424	28.92	26.553	28.941	62.386	1,128	4.535	91	3,508	64,164	47.74	965.78	1,183	3,568	65,120	52.90	1,079.01	1,180	60,316	63,198	
Average	56	35	2.41	2.213	2.412	5.199	94	0.378	8	292	5,347	3.98	80.48	99	297	5,427	4.41	89.92	99	5,483	5,267	