

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
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

AGENDA

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

The next Water and Sewerage Commission meeting will be Monday, October 9, 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 & Sewage 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
August 14, 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 and Ray Schmidt

EXCUSED ABSENCE: Anna Haines & Mae Nachman

ALSO PRESENT: Joel Lemke, Mary Klesmith, Eric Southworth, Chris Lefebvre and Jaime Zdroik

2. Approval of Minutes

Motion made by Carl Rasmussen, seconded by Ray Schmidt to approve the July 10, 2023 meeting minutes of the Board of Water & Sewerage Commission with one correction, adding Jodi Dobson of Baker Tilly as present at the meeting as well.

Ayes all. Nays none. Motion carried.

3. Approval of Department Claims

Motion made by Ray Schmidt, seconded by Carl Rasmussen to approve the department claims for the month of July as audited and read.

Ayes all. Nays none. Motion carried.

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

Eric stated the Water Street tower was inspected on July 19. This is inspected every five years. We are waiting to receive the report back and then that will be submitted to the D.N.R. There will be some repairs needed. Eric will provide an update to the Commission in September if we receive the report back this month.

Eric provided the Commission with an update on the projects. All of the pipe work is complete for the utilities on the Bush St. and Indiana Ave. project. They are currently working on concrete for curb/gutter/driveways. Swales have not been installed yet on Channel Dr., Belke St., Soo Marie Ave. and Frontenac Ave. The big reconstruction project on Algoma St., Texas Ave. and Minnesota Ave. should be completed in approximately 4 weeks. Final paving should be completed in October.

5. Sewage Treatment Operations Report - *Chris Lefebvre*

Chris stated the WWTP met all D.N.R. permit limits for the month of July. The D.N.R. inspected the WWTP at the end of June. The D.N.R. found one item during the inspection and that was to update the CMOM Program. The CMOM is the document that explains the maintenance of our sanitary sewer collection system. They are in the process of updating it. Once it is updated, Chris will respond back to the D.N.R. and share that response with the Commission at next months month's meeting.

6. Construction and Maintenance Report - *Shane Kohnen*

Joel explained that in Shane's absence Eric's report in Item 4 covered this item as well.

7. Directors Report - *Joel Lemke*

Joel wanted to clarify when he spoke about working with UWSP in regards to the Brilowski Property. This consisted of classroom-type work for Forest Management and Recreational Management off of the property on the north end of Brilowski, not the property that the City just acquired.

Joel also stated they are working on land acquisition for Well 12.

8. Adjournment.

Motion made by Ray Schmidt to adjourn the meeting.

Ayes all. Nays none. Motion carried.

Meeting Adjourned: 12:14PM

REPORT TO THE SEPTEMBER 11, 2023
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

WATER DEPARTMENT

FINANCES:

Bank balance as of August 1, 2023

\$ 6,572,513.59

Bank deposits recorded in August 2023

\$ 264,644.70

\$ 6,837,158.29

CHECKS ISSUED AUGUST 2023:

58098 Mae Nachman	Salary	57.37
58099 Community Foundation of Central WI	Employee Contribution	10.00
58100 United Way Of Portage County	United Way	36.00
58101 Aramark	Rug service	45.90
58104 Martelle Water Treatment	Aquadene - chemical	10,105.81
58105 Rasmussen Plumbing & Heating	Clear plugged fixtures, flushed water heater due to manganese issue	519.44
58106 Springbrook Holding Company LLC	Payroll Software Annual Maintenance	2,102.94
58108 USA Blue Book	Lab supplies & Chemicals	401.85
58109 Wisconsin Division of Energy EAP – UN	Refund Check 010412-000, 1017B W Pear St.-Upper	293.35
58110 American Asphalt Of WI	Asphalt patches	9,587.77
58111 Aramark	Rug service	45.90
58113 CDW Government	IT Services	1,114.14
58114 City Of Stevens Point	Retirement, fuel & employee deductions	26,536.67
58115 Franks Hardware Co Inc	Supplies	435.03
58118 Northern Lake Services Inc	Annual Drinking Water Tests	1,139.14
58119 Mastercard	Uniforms, media for bead blaster, soap, kleenex, paper	639.96
58120 Springbrook Holding Company LLC	Civic Pay Transaction Fee for Customer Payment Portal	1,567.00
58121 Strand Associates Inc	Professional Services Well 12 & 2024 Street Improv.	27,221.20
58122 Teamsters Union Local 662	Union Dues	1,638.00
58123 Volm Companies	Inventory	326.88
58125 WI State Laboratory of Hygiene	Fluoride Samples	28.00
58128 Community Foundation of Central WI	Green Circle - Joel Lemke	10.00
58129 United Way Of Portage County	United Way	36.00
58130 AnSer	After hours answering service	140.00
58131 Clark Dietz	Professional Services - 2024 Street Improvement	17,636.67
58132 Donna's Cleaning Service	Office Cleaning, Utility Garage Cleaning	300.00
58134 Ferguson Waterworks #1476	Inventory	257.00
58137 Hawkins Inc	Chemicals	4,520.95
58138 Heartland Business Systems, LLC	IT Troubleshooting Printer Issue	28.75
58139 Northern Lake Services Inc	Annual Drinking Water - DNR Testing	25.00
58142 Batteries Plus LLC	Battery back-up for Well 11	268.70
58143 Fastenal Company	Supplies	24.76
58144 Grainger	Thermostat for Well 11	41.33
58145 Heartland Business Systems, LLC	Monthly Managed Services	207.07
58149 Northern Lake Services Inc	DNR Required Drinking Water Testing	390.00
58150 Petty Cash	Postage, mileage, HRA certified mail, aerator removal to	360.16
58151 Ruekert Mielke Inc	Professional Services - Water System Study	2,288.00
58154 Total Energy Systems Llc	Generator Maintenance	10,056.82
58155 Mastercard	Safety vests & GIS Web service Chgs, Training Materials AWWA-Customer Service Cert Prog, WRWA Outdoor Exp, NASECA training	3,723.61
58156 USA Blue Book	Lab Supplies	870.97
58158 American Asphalt Of WI	Hot mix	70.73
58159 Central States H & W Fund	Health Insurance Premiums	39,323.08
58160 Department of Natural Resources	Certification Exam Fee - Brandon Wiza, Nathan Smolarek	100.00
58161 Northern Lake Services Inc	Annual Drinking Water Testing	2,259.10
58162 Dan Woitczak	Uniform reimbursement	79.10
58163 WRWA	Certification Exam Review - Brandon Wiza	220.00
58164 Michael Wiza	Airfare reimbursement	1,302.95
58166 Community Foundation of Central WI	Employee Contribution	10.00

58167 United Way Of Portage County	United Way	36.00		
58169 Aramark	Rug service	45.90		
58171 Baker Tilly Virchow Krause LLP	Compensation Study	2,430.00		
58172 Batteries Plus LLC	Batteries	819.22		
58173 Bushman Electric Inc	Public Utility Logo Stickers	453.00		
58174 Department of Natural Resources	Certification Renewal - Mike Vassar	45.00		
58176 Fastenal Company	Supplies	27.33		
58177 Ferguson Waterworks #1476	Meter couplings	990.00		
58178 H&S Protection Systems Inc	Troubleshoot alarm system	125.00		
58179 John Fabick Tractor Co	Back hoe repairs	1,452.23		
58182 Northern Lake Services Inc	Annual Drinking Water Testing, Water Testing for CCR	752.44		
58183 Susan Ollech	Reimburse costs incurred due to main break	115.00		
58184 Stevens Point Auto Center LLC	Truck repairs	1,009.09		
58186 WI DNR Accts Receivable	Water Use Fee	125.00		
DOJ	Background Check	7.00		
WPS	Utility Charges	33,314.30		
Payroll	Payroll	91,951.00		
IRS PR Tax	Payroll Taxes - Federal	32,732.36		
DOR PR Tax	Payroll Taxes - State	6,613.14		
Verizon Cell & iPad Charges	Phone & iPad Charges	657.26		
DOR Garnishment	Garnishment	9.32		
HRA Admin Fees	Renewal & Admin Fees	30.00		
TOTAL EXPENSES LISTED			\$ 342,142.69	\$ 342,142.69
BALANCE ON HAND AUGUST 31, 2023				
	Balance on Hand	\$ 6,495,015.60		
	Plus uncleared checks	\$ 12,880.67		
	Less checks previously written clearing this month	\$ (69,898.27)		
	Ending Cash Balance matching Bank Statements	\$ 6,437,998.00		
	Less Restricted Funds	\$ (1,130,789.52)		
	Cash on Hand	\$ 5,307,208.48		

REPORT TO THE SEPTEMBER 11, 2023
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS
SEWAGE DEPARTMENT

FINANCES:

Bank Balance as of August 1, 2023
Bank Deposits recorded in August 2023

\$	9,029,527.88
\$	376,242.85
\$	9,405,770.73

CHECKS ISSUED IN AUGUST 2023:

58101 Aramark	Rug service	210.34	
58102 Grainger	Retaining wall supports	55.08	
58103 Hach Company	Lab supplies	929.61	
58106 Springbrook Holding Company LLC	Payroll Software Annual Maintenance	1,051.47	
58108 USA Blue Book	Flange & gasket	286.65	
58109 Wisconsin Division of Energy EAP – UN	Refund Check 010412-000, 1017B W Pearl St. - Upper	374.38	
58110 American Asphalt Of WI	Asphalt patches	1,943.92	
58111 Aramark	Rug service	210.34	
58112 Badger Coatings & Insulation	Digester 4 Cover Insulation	64,800.00	
58113 CDW Government	IT Services	1,114.13	
58114 City Of Stevens Point	Retirement, fuel & employee deductions	5,567.37	
58115 Franks Hardware Co Inc	Supplies	266.65	
58116 H&S Protection Systems Inc	Troubleshoot alarm	927.00	
58117 MacQueen Equipment	Televising vehicle	368,367.67	
58121 Strand Associates Inc	Professional Services 2024 Street Improvements	6,735.83	
58124 Waste Mangmt of WI-MN	Sludge hauling	17,078.77	
58126 Xylem Water Solutions USA Inc	Replacement Drainage Pump & Work at Lift Station	25,697.20	
58131 Clark Dietz	Professional Services - 2024 Street Improvement	4,409.16	
58132 Donna's Cleaning Service	Utility Garage Cleaning	25.00	
58133 Dorner Company	Swing check valves	6,230.72	
58135 Hach Company	Lab supplies	1,922.54	
58136 Harter's Fox Valley Disposal	Dumpster Service	577.20	
58138 Heartland Business Systems, LLC	IT Troubleshooting Printer Issue	28.75	
58141 ANDRITZ Separation Inc.	Rotary seals for biosolids dryer	37,224.53	
58142 Batteries Plus LLC	Battery	30.00	
58145 Heartland Business Systems, LLC	Monthly Managed Services	207.07	
58146 Marshall-Bond Pumps Inc	Regulator & repair kit	941.61	
58147 Mulcahy Shaw Water Inc	UV Bulbs	23,000.76	
58153 Ryan Skrzeczkowski	Uniform Reimbursement	94.94	
58155 Mastercard	Spray nozzle, WEF Registration, Safety vests, Retaining wall repairs, connectors for televising, poly line for sludge hauling, IT Pipes Web Service, WRWA Expo, GIS-Web Service Changes, Supplies	1,825.81	
58156 USA Blue Book	Herbicide & epoxy	2,166.98	
58157 Waste Mangmt of WI-MN	Sludge hauling	20,302.94	
58159 Central States H & W Fund	Health Insurance Premiums	7,982.52	
58168 Stevens Point Airport	Airport's portion of credit card rebate	52.83	
58169 Aramark	Rug service	210.34	
58170 Badger Laboratories, Inc.	Testing	52.00	
58171 Baker Tilly Virchow Krause LLP	Compensation Study	2,160.00	
58175 Energenecs Inc	Replacement gear box for grit washer	5,276.58	
58180 Midstate Lock LLC	Lock repair - lab office	135.00	
58181 NCL of Wisconsin Inc	Lab supplies	1,623.85	
58185 Transit Department	Transits portion of credit card rebate	166.20	
58187 Mark Zalewski	Boot allowance	125.00	
58188 JX Leasing/JX Rental	Quad Axle Rental Deposit	3,000.00	
58189 Pace Analytical Services Inc	3rd Qtr Testing	733.00	
58190 Precision Glass & Door LLC	Replacement Overhead Door	6,525.00	
HRA	HRA Admin Fee	30.00	
Verizon Charges	Verizon Charges	362.94	
WPS Utility Charges	Gas & Electric	2,334.86	
Sewer Payroll	Payroll	50,381.78	
Payroll Taxes	Payroll Taxes	3,306.56	
TOTAL OF EXPENSES LISTED		\$ 679,062.88	\$ 679,062.88
BALANCE ON HAND AUGUST 31, 2023			\$ 8,726,707.85
	Balance on Hand		\$ 8,726,707.85
	Plus uncleared checks		\$ 45,173.02
	Less checks previously written clearing this month		\$ (34,784.08)

Ending Cash Balance matching Bank Statements

\$ 8,737,096.79

Less Restricted Balance \$ (5,552,850.67)

TOTAL \$ 3,184,246.12

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

**REPORT TO THE SEPTEMBER 2023
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS**

STORM WATER DEPARTMENT

FINANCES:

Bank balance as of August 1, 2023
Bank deposits recorded in August 2023

\$ 4,560,575.40
\$ 67,142.95
\$ 4,627,718.35

CHECKS ISSUED AUGUST 2023:

58096 Sommer Wright	Payroll	\$ 266.67	
58106 Springbrook Holding Company LLC	Payroll Software Annual Maintenance	420.59	
58107 Transit Department	Grounds keeping work	418.32	
58110 American Asphalt Of WI	Asphalt patches	2,843.09	
58113 CDW Government	IT Services	1,114.13	
58114 City Of Stevens Point	Retirement, fuel & employee deductions, Annual Street Sweeping	72,969.76	
58115 Franks Hardware Co Inc	Supplies	251.68	
58119 Mastercard	Toner, Training - Jason	303.36	
58121 Strand Associates Inc	Professional Services 2024 Street Improvements	6,735.83	
58127 Sommer Wright	Payroll	508.07	
58131 Clark Dietz	Professional Services - 2024 Street Improvement	4,409.17	
58132 Donna's Cleaning Service	Utility Garage Cleaning	25.00	
58138 Heartland Business Systems, LLC	IT Troubleshooting Printer Issue	28.75	
58140 Transit Department	Groundskeeping work	418.32	
58145 Heartland Business Systems, LLC	Monthly Managed Services	207.07	
58148 NAPA	Supplies	44.97	
58150 Petty Cash	EE Anniversary	20.00	
58155 Mastercard	GIS - Web Service Charges, WRWA Expo, Safety Vests, Insulation and Rooms for NASECA Training	1,207.71	
58158 American Asphalt Of WI	Hot mix	212.21	
58159 Central States H & W Fund	Health Insurance Premiums	4,753.60	
58160 Department of Natural Resources	Certification Exam Fee - Jeffrey Hoffman, Colten Gaylord	75.00	
58163 WRWA	Certification Exam Review - Colten Gaylord	110.00	
58171 Baker Tilly Virchow Krause LLP	Compensation Study	810.00	
Verizon	Ipad & cell phone charges	557.92	
Payroll	Payroll	18,069.48	
IRS	Payroll Taxes	1,729.87	
WPS	Monthly Utility Charges	25.15	
TOTAL OF EXPENSES LISTED		\$ 118,535.72	\$ 118,535.72
BALANCE ON HAND AUGUST 31, 2023			\$ 4,509,182.63

Balance on Hand	\$ 4,509,182.63
Plus checks written after the end of this month	
Plus uncleared checks	\$ 2,710.78
Less checks previously written clearing this month	\$ (7,848.95)
Ending Cash Balance matching Bank Statements	\$ 4,504,044.46

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

FIBER (COMMUNITY AREA NETWORK)

FINANCES:

Bank balance as of August 1, 2023

\$ 427,763.22

Bank deposits recorded in August 2023

\$ 427,763.22

CHECKS ISSUED AUGUST 2023:

TOTAL OF EXPENSES LISTED

\$ -

BALANCE ON HAND AUGUST 31, 2023

\$ 427,763.22

Balance on Hand

\$ 427,763.22

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

\$ 427,763.22

**STEVENS POINT, WISCONSIN
WATERWORKS REPORT**

FOR AUGUST 2023

CURRENT YEAR VS. PREVIOUS YEAR

	2022	2023	INCREASE	DECREASE	RECORD HIGH	DATE	
Total pumpage, gallons	251,597,000	275,018,000	23,421,000		311,358,000	Aug-03	
Daily pumping average, in gallons	8,116,030	8,871,550	755,520				
Peak pumpage, gallons, (date)	10,204,000 (2ND)	10,587,000 (7TH)	383,000		12,849,000	8/3/2007	
Low pumpage, gallons, (date)	7,245,000 (13TH)	5,901,000 (12TH)		1,344,000	2,335,000 2,711,000	08/06/72 8/22/2014	◀Record low since 1995 when the utility started providing water to Stora Enso.
Power bill	\$24,550.39	\$30,222.41	\$5,672.02		\$30,222.41	Aug-23	
K.W.H's used	234,864	301,382	66,518				
Gallons pumped per K.W.H.	1,071	913	158				

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		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	1,738,208	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)

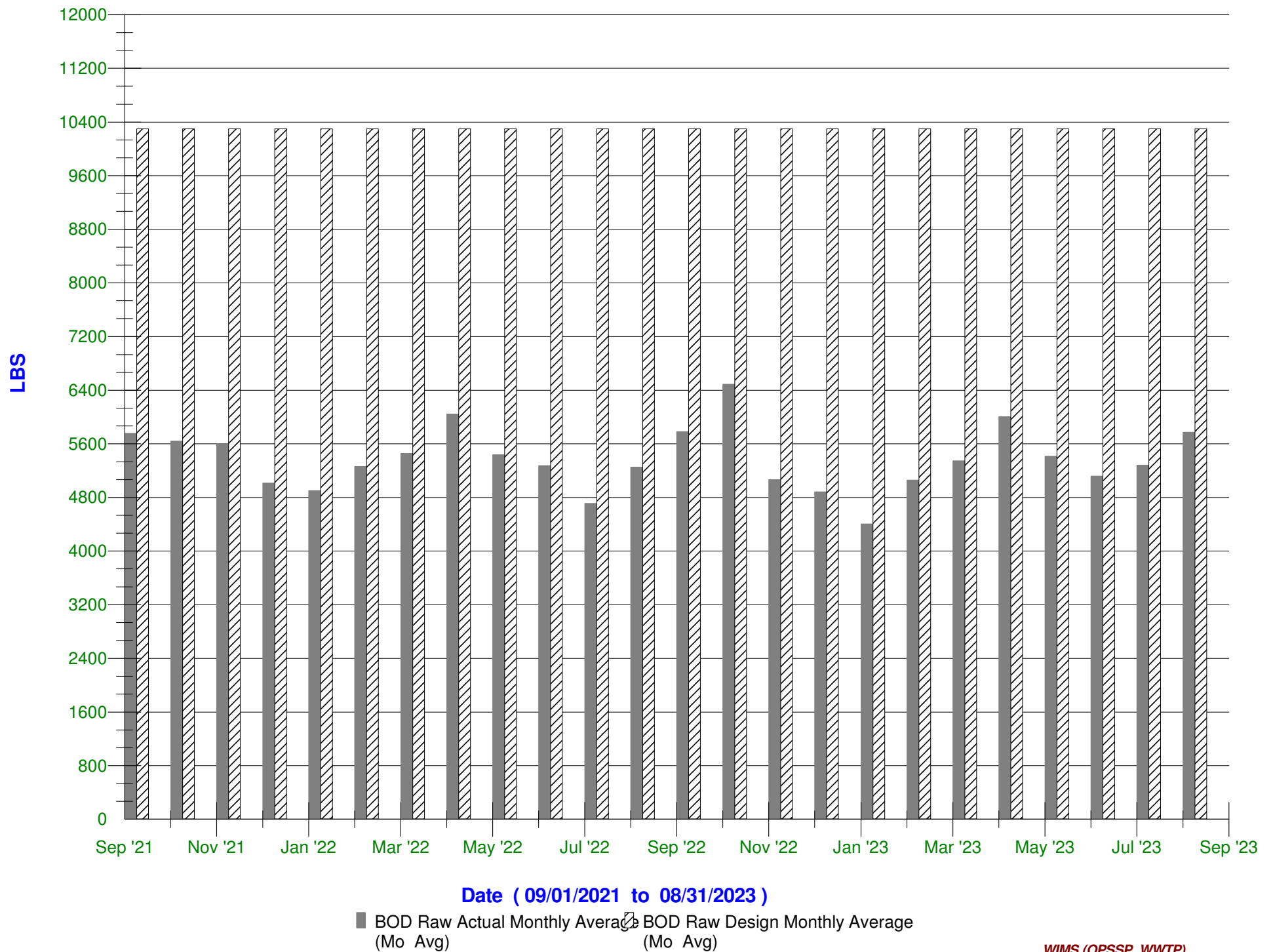
MONTH	2023	2022	2021	2020	2019	2018	2017
JANUARY	88,937	88,942	83,106	82,287	82,112	88,989	89,079
FEBRUARY	79,725	80,355	80,293	83,129	80,253	80,441	80,474
MARCH	81,120	88,834	88,768	88,771	88,609	76,469	88,652
APRIL	84,933	84,742	86,110	86,022	84,640	86,223	76,187
MAY	88,563	88,861	88,978	88,891	88,880	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		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	713,247	1,047,564.00	1,039,302	1,037,725	1,036,469	1,031,630	988,048

Final Effluent Discharge Data

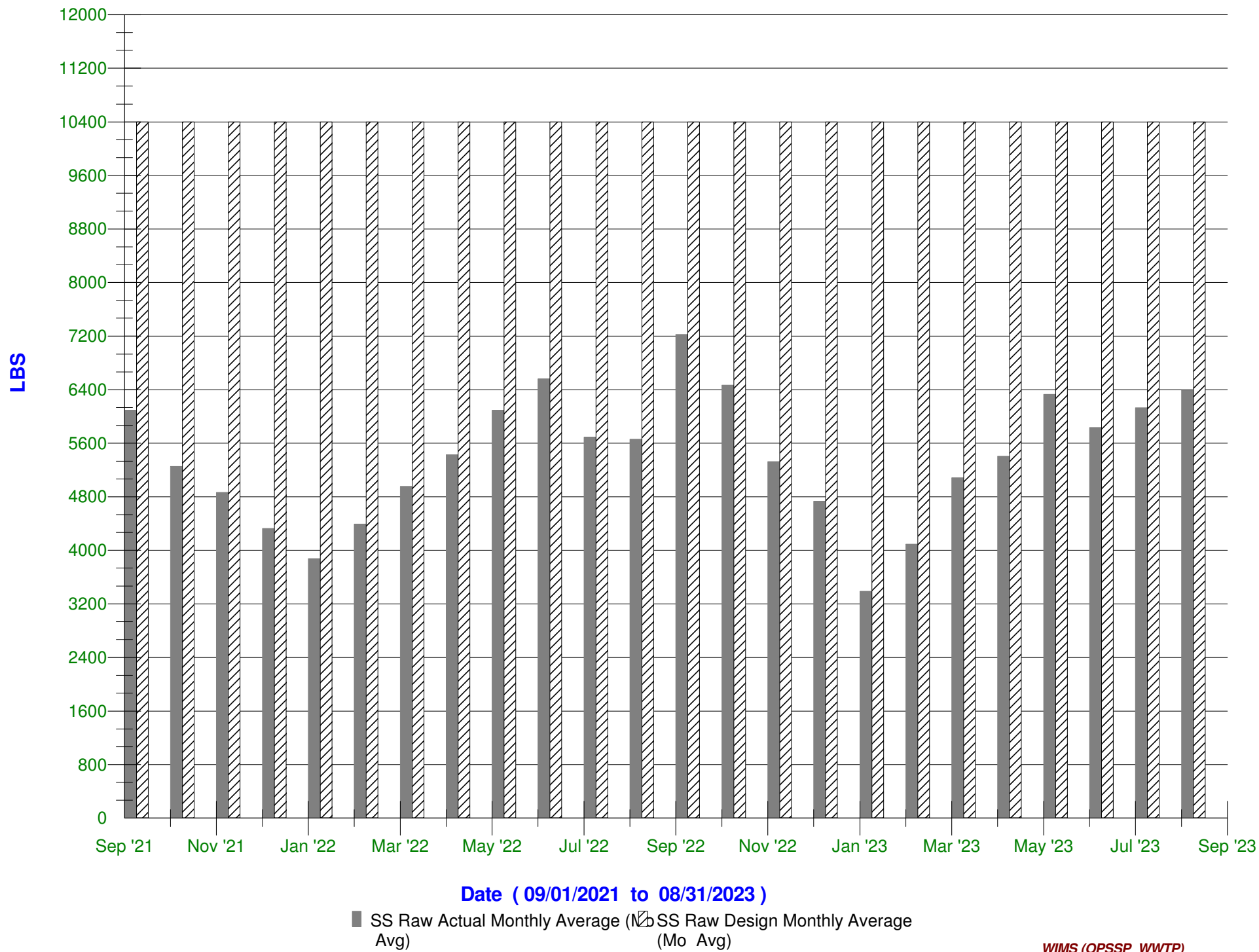
August 2023

		Sewage Flow		BOD					S.S.					Phosphorus				Fecal	Effluent
Date	Precip INCHES	Raw	Final	Raw	Final	%	Raw	Final	Raw	Final	%	Raw	Final	Raw	Final	Raw	Final	Final Coliform #/100 ml	Ammonia mg/L
		MGD	MGD	MG/L	CBOD MG/L		Pounds BOD/Day	Pounds CBOD/Day	(ppm)	(ppm)		Pounds SS/Day	Pounds SS/Day	(ppm)	(ppm)	P/Day	P/Day		
08/01/2023	0.00	2.108	2.451	345	7.60	98	6,065	155	496	9.00	98	8,720.04	184						
08/02/2023	0.00	2.102	2.064	383	6.46	98	6,714	111	276	8.50	97	4,838.47	146					208	
08/03/2023	0.00	2.163	2.119	365	6.36	98	6,584	112	436	7.20	98	7,865.19	127						
08/04/2023	0.20	2.092	2.057	407	7.02	98	7,101	120	340	4.40	99	5,932.08	75						
08/05/2023	0.00	1.935	1.924	341	4.27	99	5,503	69	340	8.60	97	5,486.89	138	5.220	0.274	84	4		31
08/06/2023	0.00	1.912	1.907	262	6.55	98	4,178	104	256	4.20	98	4,082.20	67	4.630	0.274	74	4		31
08/07/2023	0.00	2.061	2.074	350	5.67	98	6,016	98	332	4.99	98	5,706.66	86	6.370	0.274	109	5		33
08/08/2023	0.00	2.060	2.096	322	4.67	99	5,532	82	256	6.57	97	4,398.18	115	5.040	0.280	87	5		35
08/09/2023	0.00	2.092	2.139	415	4.29	99	7,241	77	380	3.38	99	6,629.97	60	5.690	0.274	99	5	70	36
08/10/2023	0.02	2.067	2.113	460	4.57	99	7,930	81	456	4.90	99	7,860.88	86						
08/11/2023	0.02	2.092	2.166	351	4.83	99	6,124	87	260	4.62	98	4,536.29	83						
08/12/2023	0.27	1.871	1.921	281	6.56	98	4,385	105	368	4.39	99	5,742.32	70	5.140	0.274	80	4		30
08/13/2023	0.00	1.930	2.035	237	3.33	99	3,815	57	784	2.94	100	12,619.42	50						
08/14/2023	0.34	2.261	2.394	431	3.61	99	8,127	72	316	4.00	99	5,958.73	80						
08/15/2023	0.73	2.102	2.191	359	4.07	99	6,294	74	400	4.36	99	7,012.27	80	6.030	0.274	106	5		26
08/16/2023	0.00	2.082	2.156	323	7.99	98	5,609	144	392	4.20	99	6,806.64	76					50	
08/17/2023	0.12	2.038	2.132	320	3.54	99	5,439	63	428	5.69	99	7,274.68	101						
08/18/2023	0.01	2.031	2.081	338	4.03	99	5,725	70	308	3.53	99	5,217.07	61	6.090	0.274	103	5		29
08/19/2023	0.00	1.908	1.990	251	7.17	97	3,994	119	288	3.56	99	4,582.86	59						
08/20/2023	0.00	1.920	1.978	247	3.89	98	3,955	64	332	3.77	99	5,316.25	62	5.840	0.274	94	5		19
08/21/2023	0.00	2.075	2.174	393	4.33	99	6,801	79	536	4.03	99	9,275.75	73						
08/22/2023	0.00	2.120	2.237	393	5.57	99	6,949	104	404	5.60	99	7,143.04	104						
08/23/2023	0.00	2.084	2.188	333	4.16	99	5,788	76	344	5.51	98	5,978.91	101	6.030	0.274	105	5	98	24
08/24/2023	0.00	2.178	2.308	359	4.22	99	6,521	81	480	5.40	99	8,718.97	104	8.450	0.274	153	5		31
08/25/2023	0.00	2.116	2.188	317	4.06	99	5,594	74	340	4.72	99	6,000.13	86	5.120	0.274	90	5		30
08/26/2023	0.00	1.898	1.991	325	3.15	99	5,145	52	308	3.00	99	4,875.43	50						
08/27/2023	0.00	1.879	1.999	265	2.80	99	4,153	47	384	2.10	99	6,017.61	35						
08/28/2023	0.00	2.081	2.167	297	3.23	99	5,155	58	320	2.80	99	5,553.77	51						
08/29/2023	0.00	2.122	2.200	257	3.77	99	4,548	69	328	3.40	99	5,804.77	62						
08/30/2023	0.00	2.038	2.090	354	4.79	99	6,017	83	328	4.00	99	5,574.99	70						
08/31/2023	0.00	2.060	2.121	345	4.81	99	5,927	85	380	4.20	99	6,528.55	74						
Total	1.71	63.478	65.651	10,426	151	3,054	178,928	2,673	11,596	147.56	3,058	198,059.02	2,618	69.650	3.294	1,184.662	57.222	426.000	355.300
Average	0.06	2.048	2.118	336	5	99	5,772	86	374	4.76	99	6,389.00	84	5.804	0.275	98.667	4.750	106.500	29.583
Maximum	0.73	2.26	2.45	460.00	7.99	99.16	8,127.25	155.35	784.00	9.00	99.63	12,619.42	183.97	8.45	0.28	153.49	5.27	208.00	35.70
Minimum	0.00	1.87	1.91	237.00	2.80	97.14	3,814.80	46.68	256.00	2.10	96.92	4,082.20	35.01	4.63	0.27	73.83	4.36	50.00	19.20

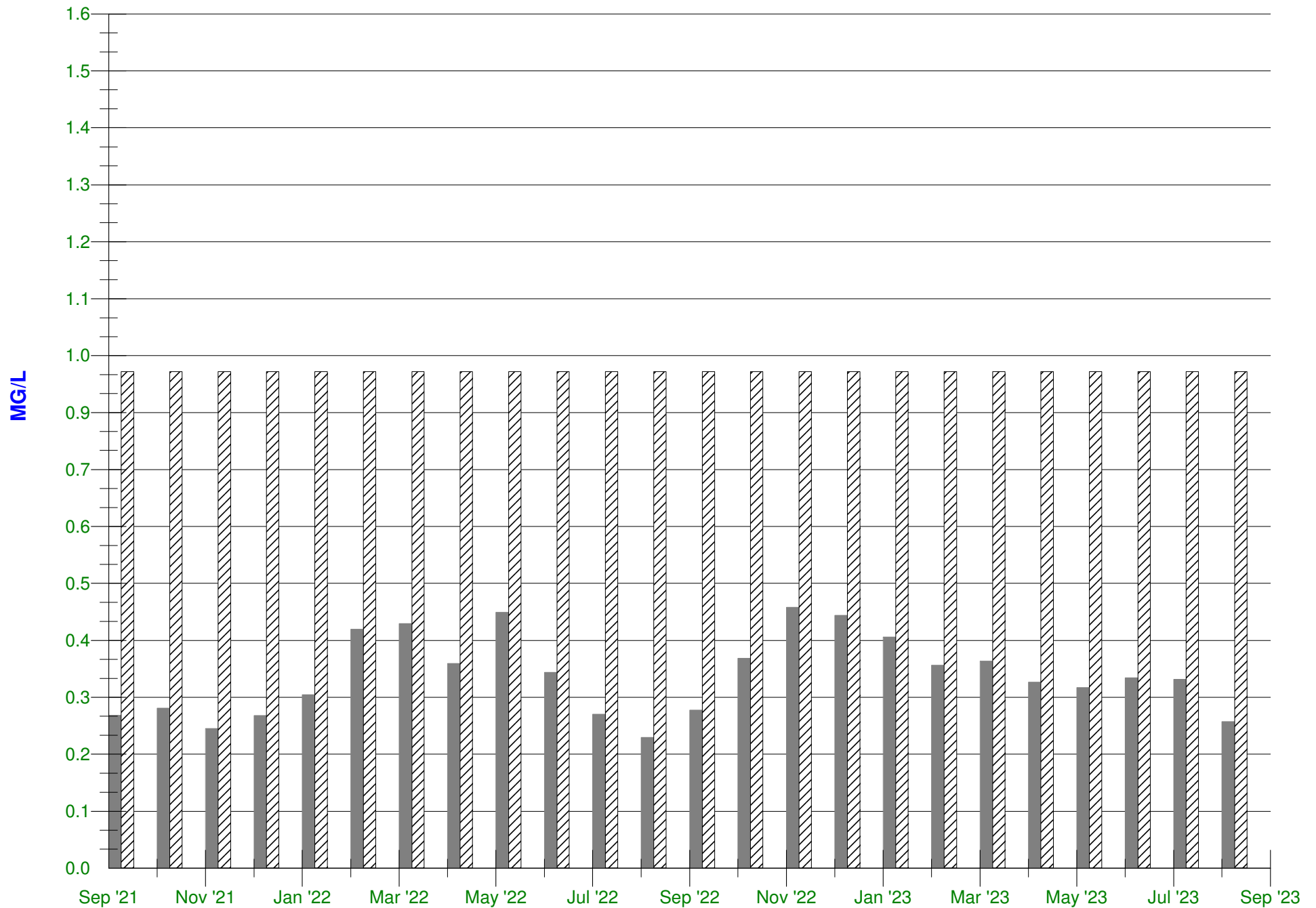
BOD Raw 2 Year History



SS Raw 2 Year History



Phosphorus mg/l 2 Year History



Date (09/01/2021 to 08/31/2023)

■ 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	Min	INCHES	Influent	Effluent	Raw Influent		Final Effluent		Raw Influent		Final CBOD Eff.		Reduction	Raw Influent		Final Effluent		Reduction	Power kW	LBS BOD Removed	Production Per Day CUFT
	°F	°F		MGD	MGD	MG/L	LBS	MG/L	LBS	MG/L	LBS	MG/L	LBS	%	MG/L	LBS	MG/L	LBS	%			
Aug 2022	78	59	6.51	2.168	2.476	5.495	98	0.245	5	291	5,258	5.49	113.45	98	312	5,648	4.37	90.20	99	4,335	5,145	
Sep 2022	71	50	3.58	2.262	2.606	5.951	110	0.296	6	306	5,764	4.08	88.74	99	382	7,203	3.66	79.49	99	4,707	5,676	
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	
Minimum	25	11	1.35	2.015	2.164	3.529	80	0.245	5	239	4,389	3.08	57.98	98	198	3,385	3.56	65.99	97	3,987	4,319	
Maximum	82	59	6.51	3.030	3.212	6.594	113	0.488	10	368	6,439	5.49	143.54	99	382	7,203	6.57	176.06	99	7,161	6,365	
Total	660	420	33.19	26.824	29.710	62.211	1,139	4.492	92	3,457	63,971	48.20	1,004.23	1,182	3,542	65,502	52.00	1,088.34	1,180	58,111	62,967	
Average	55	35	2.77	2.236	2.476	5.184	95	0.374	8	288	5,331	4.02	83.69	99	295	5,458	4.33	90.69	99	5,283	5,247	