

City of Stevens Point
Board of Water and Sewerage Commissioners
January 11, 2021 - 12:00 PM

Meeting will be held via a Zoom Meeting URL to connect:
<https://us02web.zoom.us/j/82026885705> Dial in number: (301) 715-8592
Meeting ID: 820 2688 5705

AGENDA

Discussion and Possible Action on:

1. Roll Call
2. Approval of Minutes
3. Approval of Department Claims
4. 2021 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 - *Craig Czaikowski*
8. Community Area Network Report - *Joel Lemke*
9. Directors Report - *Joel Lemke*
10. Adjournment

The next Water and Sewerage Commission meeting will be February 8, 2021 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
December 14, 2020 - 12:30 PM
(or immediately following the previous scheduled meeting)

Meeting will be held via a Zoom Meeting URL to connect:
<https://us02web.zoom.us/j/82026885705> Dial in number: (301) 715-8592
Meeting ID: 820 2688 5705

MINUTES

Discussion and Possible Action on:

1. Roll Call

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

Others Present: Joel Lemke, Eric Southworth, Mary Klesmith, Craig Czaikowski, Chris Lefebvre, Jason Draheim and Jaime Zdroik

2. Approval of November 9, 2020 minutes

Motion made by Anna Haines, seconded by Mae Nachman to approve the minutes of the November 9, 2020 meeting of the Board of Water & Sewerage Commission.

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 November as audited and read.

Ayes all. Nays none. Motion carried.

4. Water Supply and Distribution Reports - Eric Southworth

Eric provided the Commission with a spreadsheet showing the mills usage compared to our monthly pumping. The mills usage generally stays the same. Carl wanted to know what the significant jump was in September, October and November compared to previous years. Carl stated if it is not the mill or another major user then what is causing the higher consumptions in these months. Eric stated there is another spreadsheet that he can do in order to compare all commercial, industrial, and residential customers as well that might provide more information. Paul suggested if it

is not too time consuming, Eric should generate that spreadsheet and bring it back to next month's meeting. Eric also stated he has an annual spreadsheet that he can bring as well.

Eric also stated the Well Site Investigation Report for Well 4 replacement is in the DNR's hand and they are to decide whether they approve the new wellsite by January 31, 2021. Well 5 is raised and abandoned. The crew finished tearing down that building last week. Our repiping project at Well 7 out in wellfield is currently taking place and is coming along well. That project should be done shortly after January 1st.

Joel explained that we have two possible locations for Well 4 that the DNR is currently reviewing. The locations are both near Well 4 but up on top of the bluff. One would involve a small property acquisition and the other might be in some existing City parcel or right-a-way.

5. Sewage Treatment Operations Report - *Chris Lefebvre*

Chris stated all permit limits were met for the month of November. We produced 44% of our own electricity and 66% of the heat used on site. Everything is going well.

6. Construction and Maintenance Report - *Craig Czaikowski*

Craig stated Well 5 was torn down last week. Storm crew finished up a project on W. Gates Drive and it just needs to be seeded. The Water Department crew is currently working on hydrant maintenance.

7. Community Area Network Report - *Joel Lemke*

Nothing to report.

8. Update on assessment of late fees. - *Joel Lemke*

The PSC started a docket stating utilities needed to send a letter to them stating their intent to start the assessment of late fees again now that the State action prohibiting the assessment of late fees is over. Joel wanted to notify the Commission of our intent to start assessing late fees once again.

9. Proposed amendment to Chapter 13 of the RMC requiring the installation of plumbing for test ports for meters larger than 2" on new construction - *Joel Lemke*

Joel explained that we go onsite to test all meters over 2 inches in the City. We would like to have new meter installations, where it is new construction, to have the contractor plumb a pipe from where the meter is to the outside of the building. Then we would not have to run hoses through the building where there are finished areas in order to complete the meter testing. The large meters stay in place while we test them. Smaller meters we take out and bring them back to the shop to test. This a developing trend in

the industry on new construction, to have them facilitate our testing at the outside of the building with piping that goes through the building wall.

Motion made by Ray Schmidt, seconded by Mae Nachman to approve the proposed amendment to Chapter 13 of the RMC requiring the installation of plumbing for test ports for meters larger than 2 inches on new construction.

Ayes all. Nays none. Motion carried.

10. Notice of employee seeking elected office - Joel Lemke

Joel explained that it is in the City's Administrative Policy to have all employees notify us when seeking an elected office. Joel does not identify any conflict with this at all.

11. Directors Report - Joel Lemke

Nothing to report.

12. Adjournment

Motion made by Anna Haines to adjourn the meeting.

Ayes all. Nays none. Motion carried.

Meeting Adjourned: 1:34PM

REPORT TO THE JANUARY, 2020
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

WATER DEPARTMENT

FINANCES:

Bank balance as of December 1, 2020

\$ 4,086,452.87

Bank deposits recorded in December 2020

\$ 292,632.53

\$ 4,379,085.40

CHECKS ISSUED DECEMBER 2020:

54936	Mae Nachman	Salary	48.20
54938	Community Foundation of Central WI	Employee Contribution	10.00
54939	United Way Of Portage County	United Way	7.00
54940	American Asphalt Of WI	Hot mix	265.39
54943	Aramark	Rug Service	24.79
54945	AT&T	Long distance phone charges	38.42
54946	Blackburn Mfg Co	Locate flags	211.46
54947	City Of Stevens Point	Workers Comp Premium	1,762.47
54951	Ferguson Waterworks #1476	Inventory	459.05
54952	Franks Hardware Co Inc	Supplies	236.19
54953	H&S Protection Systems Inc	Annual Alarm Monitoring - Utility Garage	560.54
54954	Hawkins Inc	Chemicals	3,692.81
54955	Idexx Laboratories Inc	Lab Supplies	1,363.97
54957	Mada Embroidery& Screen Printing, LLC	Uniforms	264.55
54962	Mastercard	Case for Ipad, tire for wellfield mower	87.37
54964	Service Motor Company	Well 11 Lawn Mower Repair	252.30
54965	Spectra Print	Delinquent Notice - Printing & Mailing	369.50
54967	Springbrook Holding Company LLC	Cloud Upgrade Services	2,366.67
54969	U.S. Postal Service	PO Box 242-Annual Rental	148.00
54970	Michael Vassar	Uniform Reimbursement	230.42
54971	Verizon Wireless	IPad & cell phone charges	441.27
54972	WI Public Service	Monthly Utility Charges - Gas & Electric	17,339.07
54973	WI Rural Water Assoc	Membership Renewal-Joel	45.00
54974	Wi State Laboratory of Hygiene	Fluoride Testing	26.00
54976	Advanced Disposal	Dumpster Service	137.58
54980	AnSer	After hours answering service	106.00
54981	Aramark	Rug Service	24.79
54982	AT&T	Phone Charges	980.01
54983	Badger Heating & Air Conditioning	Reprogram Equipment, furnace repair Utility Garage	628.50
54984	Batteries Plus	Batteries	27.00
54986	City Of Stevens Point	Retirement, fuel & employee deductions	18,585.98
54989	Cummins Sales & Service	Well 9 Generator Repairs	1,805.16
54990	Donna's Cleaning Service	Cleaning Services - Water Office & Utility Garage	310.00
54991	EBI	Desks - Eric & Craig	849.60
54995	Ferguson Waterworks #1476	Inventory, inventory-fittings, gaskets & bolts	5,100.77
54999	INFOSEND INC	Cycle 111 & Cycle 2 Invoice printing & mailing	1,859.65
55002	Martelle Water Treatment	Chemicals	5,929.21
55003	Metal Crafters Inc	Valve Key	42.50
55009	Pittsburg Tank & Tower Maint Co	Water Tower Inspection	1,575.00
55012	Staples Credit Plan	Office Supplies	116.02
55013	Star Business Machines	Copier Qtrly Maintenance Agreement	359.66
55014	Strand Associates Inc	Well 4 Replacement - Administrative Services	167.91
55016	Summit Companies	Annual Fire Extinguisher Inspection	530.30
55018	Mastercard	Training - Pam, supplies,	747.12
55019	USA Blue Book	Lab Supplies	814.07
55021	WI Central	Water pipe line lease	100.00
55022	Wood Street Rental Center Inc	Floor scrubber brush & equip rental	36.61
55023	Community Foundation of Central WI	Employee Contribution	10.00
55024	United Way Of Portage County	United Way	7.00
55025	AT&T	Long Distance Phone Charges	38.42
55026	Badger Heating & Air Conditioning	Utility Garage - Furnace Repairs	72.00
55027	Central States H & W Fund	Health Insurance Premiums	26,620.40
55028	City Of Stevens Point	Retirement, fuel & employee deductions, workers comp premiums, 2020 road construction projects	138,355.29
55029	County Materials Corp	3/4" stones - 5 yards	322.50

55032	ESRI	Annual Maintenance	17,500.00		
55034	Ferguson Waterworks #1476	Meters, large meter gaskets, lid & plug, water fittings, radio reading devices	11,028.94		
55037	Hawkins Inc	Chemicals	3,032.44		
55041	US Postmaster	20 Rolls of Forever Stamps	1,100.00		
55042	Scott & Amy Schatschneider	Refund Prev owners/Schatschneider for overpayment-425 W. Cornell	1,504.73		
55044	Springbrook Holding Company LLC	Utility Billing Software Fee	50.00		
55045	Teamsters Union Local 662	Union Dues	814.98		
	HRA	Admin Charges	125.00		
	Payroll	December Payroll	51,434.93		
	IRS	Payroll Taxes	1,584.34		
	WI Dept of Revenue	Payroll Taxes	3,827.67	\$	328,512.52
	TOTAL EXPENSES LISTED			\$	328,512.52
	BALANCE ON HAND DECEMBER 31, 2020			\$	4,050,572.88
		Balance on Hand		\$	4,050,572.88
		Plus uncleared checks		\$	222,428.86
		Less checks previously written clearing this month		\$	(639,783.50)
		Ending Cash Balance matching Bank Statements		\$	3,633,218.24
		Less Restricted Funds		\$	(658,604.11)

REPORT TO THE JANUARY, 2021
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS
SEWAGE DEPARTMENT

FINANCES:

Bank Balance as of December 1, 2020
Bank Deposits recorded in December 2020

\$	6,270,629.76
\$	324,929.27
\$	6,595,559.03

CHECKS ISSUED IN DECEMBER 2020:

54941	Aquachem of America Inc.	Chemicals	10,948.00
54943	Aramark	Rug Service	148.19
54944	Associated Bag	Liners & Pallet Covers	896.60
54946	Blackburn Mfg Co	Locate flags	211.46
54947	City Of Stevens Point	Workers Comp Premium	1,100.97
54948	CT Laboratories	Biosolids Samples	391.00
54949	Dakota Electric Services Inc	Troubleshoot Generator	295.00
54952	Franks Hardware Co Inc	Supplies	57.20
54953	H&S Protection Systems Inc	Annual Alarm Monitoring - Sewage Lab	2,574.09
54956	Lou's Gloves	Lab gloves	1,500.00
54957	Mada Embroidery& Screen Printing, LLC	Uniforms	144.30
54958	McMaster-Carr Supply Co	Tubing	52.51
54959	Motors And Controls of Wisconsin LLC	Carbon brush	10.00
54960	NCL of Wisconsin Inc	Lab supplies	1,275.01
54961	Northern Lake Services Inc	Samples	43.00
54962	Mastercard	Part for Truck 4, gloves	129.62
54963	Dan Ryskoski	Uniform Reimbursement	116.04
54966	Spee Dee Deliver Service Inc.	Shipping Charges	18.41
54967	Springbrook Holding Company LLC	Cloud Upgrade Services	2,366.67
54968	Truckshop USA	Hydrant hose & oil	144.00
54971	Verizon Wireless	IPad & cell phone charges	272.52
54972	WI Public Service	Monthly Utility Charges - Gas & Electric	16,051.31
54975	UW Stevens Point	Intern Wages	2,071.01
54976	Advanced Disposal	Dumpster Service	68.79
54977	Advanced Disposal Services	Profile Recert Fee	65.00
54978	AFLAC	Insurance Premium	26.50
54979	Stevens Point Airport	Credit Card Rebate Airport's Percentage	23.70
54981	Aramark	Rug Service	148.19
54982	AT&T	Phone Charges	473.95
54983	Badger Heating & Air Conditioning	Furnace Repair - Utility Garage, Reprogram Equipment	314.25
54984	Batteries Plus	Battery	159.60
54985	Brenntag Great Lakes LLC	Chemicals	7,225.28
54986	City Of Stevens Point	Retirement, fuel & employee deductions	11,103.40
54987	Cooper Oil Company Inc	Fuel purchase	6.33
54990	Donna's Cleaning Service	Cleaning Services - Utility Garage	25.00
54992	Envirotech Equipment	Parts for televising equipment	1,282.86
54993	Fastenal Company	Supplies	14.35
54994	Ferguson Enterprises LLC #1550	Seal Kit	138.47
54996	Hach Company	Lab Supplies	487.47
54997	Harter's Fox Valley Disposal	Dumpster Service	341.50
54998	Hawkins Inc	Chemicals	434.70
55000	Ingersoll Rand Co	Coolant	555.05
55004	Miron Construction Co Inc	Digestion, Dewatering, Drying Project	202,176.71
55005	NCL of Wisconsin Inc	Lab Supplies	382.50
55006	Oshkosh Industrial Roofing & Sheet Metal	Roof work for Digestion, Dewatering, & Drying Project	32,691.18
55007	Pace Analytical Services Inc	4th Qtr Mercury Samples	540.00
55008	PBBS Equipment Corp	Boiler Repairs	2,161.00

55010	Sewage Department	Transfer to Reserve Money Market for Debt Service & Replmnt Fund	545,873.58	
55017	Transit Department	Credit Card Rebate - Transit's Percentage	62.73	
55018	Mastercard	Monitors, filter, paper supplies & fittings	326.44	
55020	Werner Electric Supply	Fuses	139.81	
55022	Wood Street Rental Center Inc	Floor scrubber brush & equip rental	18.32	
55026	Badger Heating & Air Conditioning	Utility Garage - Furnace Repairs	36.00	
55027	Central States H & W Fund	Health Insurance Premiums	12,410.80	
55028	City Of Stevens Point	Retirement, fuel & employee deductions, 2020	56,442.59	
		Road Construction Projects		
55029	County Materials Corp	3/4" stones - 5 yards	322.50	
55030	CT Laboratories	4th Qtr Biosolids Samples	391.00	
55031	Donohue & Associates, Inc.	Engineering Services L.S. Replacement Project	3,217.11	
55032	ESRI	Annual Maintenance	8,750.00	
55033	Fastenal Company	Supplies	0.92	
55035	Graybar Electric Co	Electrical Supplies	103.63	
55036	Hach Company	Lab supplies	195.40	
55038	L.W. Allen, LLC	Rebuild Pump #2 - Industrial Park Drive L.S.	22,758.82	
55039	Chris Lefebvre	Boot allowance	125.00	
55040	MacQueen Equipment	Hose fittings	108.03	
55043	Spee Dee Deliver Service Inc.	Shipping Charges	10.72	
55045	Teamsters Union Local 662	Union Dues	454.02	
55046	Werner Electric Supply	Fuses	210.50	
55047	Mark Zalewski	Uniform reimbursement & boot allowance	209.38	
	Water Dept	Inventory	27.58	
	Water Dept	Percent of billing	34,558.87	
	HRA	Admin Fees	20.00	
	Sewer Payroll	December Payroll	26,982.26	
	WI Dept of Revenue	Garnishment of wages	7.83	
	IRS	Payroll Taxes	10,287.97	
	WI Dept of Revenue	Payroll Taxes	2,047.63	
	TOTAL OF EXPENSES LISTED		<u>\$ 1,027,762.13</u>	\$ 1,027,762.13
	BALANCE ON HAND DECEMBER 31, 2020			<u>\$ 5,567,796.90</u>
		Balance on Hand		<u>\$ 5,567,796.90</u>
		Plus uncleared checks		<u>\$ 122,841.07</u>
		Less checks previously written clearing this month		<u>\$ (438,898.08)</u>
		Internal transfer for debt & replacement		<u>\$ 545,873.58</u>
		Ending Cash Balance matching Bank Statements		<u><u>\$ 5,797,613.47</u></u>
		Less Restricted Balance	\$ (5,069,520.48)	
		TOTAL	\$ 728,092.99	

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

REPORT TO THE JANUARY 2021
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

STORM WATER DEPARTMENT

FINANCES:

Bank balance as of December 1, 2020
 Bank deposits recorded in December 2020

\$	1,216,041.89
\$	111,988.61
\$	1,328,030.50

CHECKS ISSUED DECEMBER 2020:

54942	Aramark	Uniform-Winter Jacket - Jason	132.96	
54946	Blackburn Mfg Co	Locate flags	105.73	
54947	City Of Stevens Point	Workers Comp Premium	1,152.70	
54952	Franks Hardware Co Inc	Shovel & cable ties	39.08	
54957	Mada Embroidery& Screen Printing, LLC	Uniforms	192.40	
54962	Mastercard	DNR Certification Renewal - Jason	25.44	
54967	Springbrook Holding Company LLC	Cloud Upgrade Services	2,366.66	
54971	Verizon Wireless	IPad & cell phone charges	244.22	
54972	WI Public Service	Monthly Utility Charges - Gas & Electric	286.83	
54976	Advanced Disposal	Dumpster Service	68.79	
54983	Badger Heating & Air Conditioning	Furnace Repair - Utility Garage	314.25	
54986	City Of Stevens Point	Retirement, fuel & employee deductions	4,240.93	
54988	County Materials Corp	Speedcrete	335.72	
54990	Donna's Cleaning Service	Cleaning Services - Utility Garage	25.00	
54991	EBI	Desks - Eric & Craig	849.60	
55001	LaBlanc's Southside Motors	Oil	38.60	
55011	Ryan Skrzeczekoski	Boot allowance	125.00	
55015	Stuczynski Trucking	Stone & Fill- W. Gates gravity main	2,880.00	
55018	Mastercard	printer, toner, training - Shane	999.09	
55022	Wood Street Rental Center Inc	Floor scrubber brush & equip rental	18.32	
55026	Badger Heating & Air Conditioning	Utility Garage - Furnace Repairs	36.00	
55027	Central States H & W Fund	Health Insurance Premiums	7,486.40	
55028	City Of Stevens Point	Retirement, fuel & employee deductions, 2020	170,214.75	
		Road Construction Projects		
55032	ESRI	Annual Maintenance	8,750.00	
55045	Teamsters Union Local 662	Union Dues	172.00	
	Inventory	Inventory Used	5,987.26	
	Water Dept	Percent of billing	19,281.14	
		Fiber Checks Issued	26.98	
		December Payroll	11,900.21	
	IRS	Payroll Taxes	4,555.54	
	WI Dept of Revenue	Payroll Taxes	894.54	
	TOTAL OF EXPENSES LISTED		\$ 243,746.14	\$ 243,746.14
	BALANCE ON HAND DECEMBER 31, 2020			\$ 1,084,284.36

Balance on Hand	\$ 1,084,284.36
Plus checks written after the end of this month	
Plus uncleared checks	\$ 191,157.64
Less checks previously written clearing this month	\$ (464,496.22)
Ending Cash Balance matching Bank Statements	\$ 810,945.78

STEVENS POINT, WISCONSIN WATERWORKS REPORT

FOR DECEMBER 2020

CURRENT YEAR VS. PREVIOUS YEAR

	2019	2020	INCREASE	DECREASE	RECORD HIGH/LOW	DATE	
Total pumpage, gallons	146,329,000	139,795,000		6,534,000	201,625,000	12/1/2003	
Daily pumping average, in gallons	4,720,000	4,510,000		210,000			
Peak pumpage, gallons, (date)	5,159,000 (19TH)	5,127,000 (10TH)		32,000	8,837,000	12/2/2001	
Low pumpage, gallons, (date)	3,972,000 (8TH)	3,950,000 (25TH)		22,000	1,270,000	12/25/1970	
					2,265,000	12/25/2012	◀Record low since 1995 when the utility started providing water to Stora Enso.
Power bill	\$14,614.84	\$14,574.05		\$40.79	\$17,201.68	Dec-12	
K.W.H's used	206,048	205,239		809			
Gallons pumped per K.W.H.	710	681		29			

STEVENS POINT WATER DEPARTMENT CONSUMPTION HISTORY

(Pumpage x 1,000)

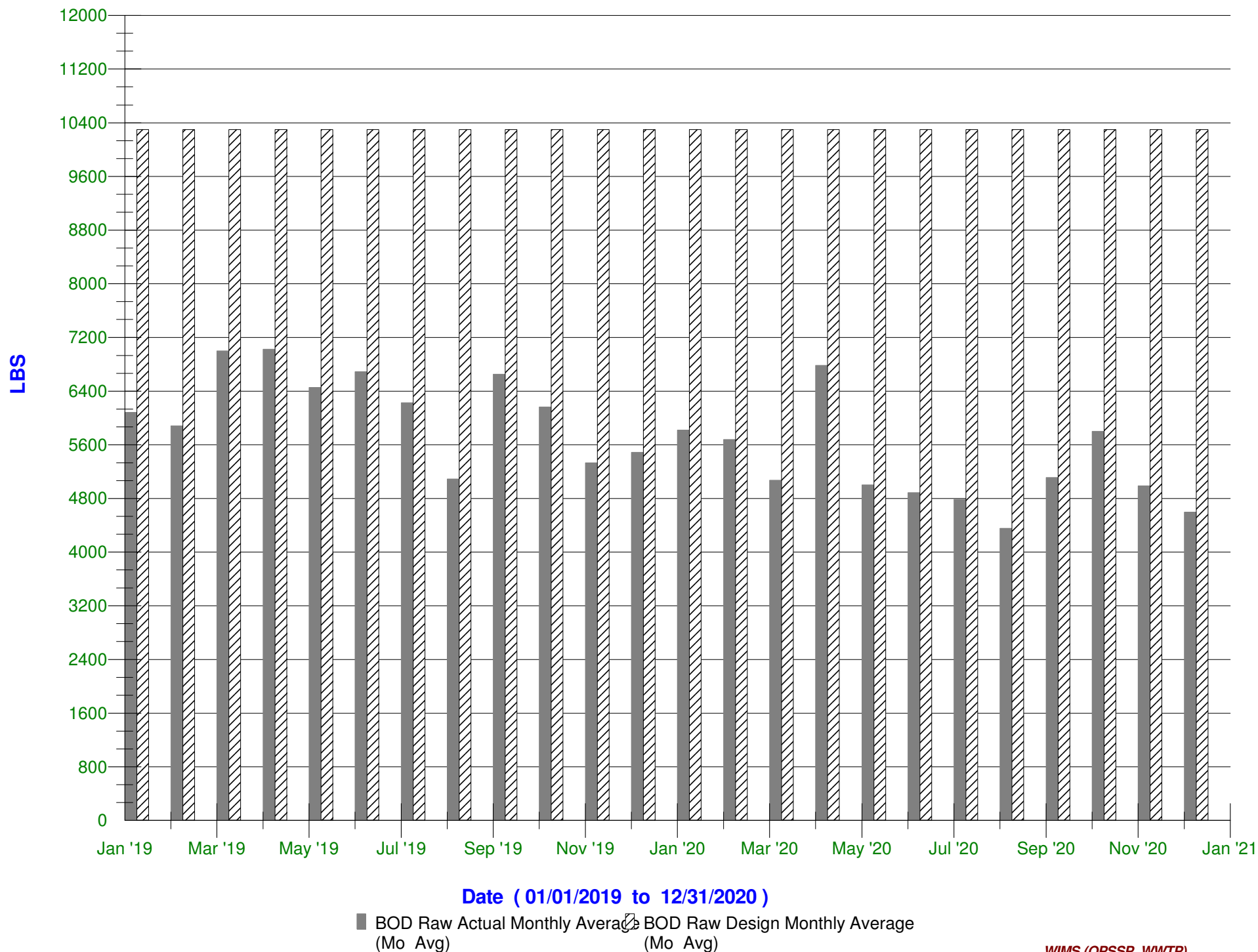
MONTH	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
JANUARY	150,622	142,263	147,206	140,438	131,056	135,295	140,095	130,487	145,393	150,360
FEBRUARY	131,127	135,573	132,869	123,311	124,330	132,142	134,021	131,003	146,311	139,446
MARCH	138,327	154,358	148,770	139,881	131,189	146,717	147,561	141,337	149,346	152,765
APRIL	127,470	135,713	133,238	142,367	135,484	145,731	154,752	145,137	152,172	148,872
MAY	149,292	154,346	168,410	141,687	175,174	173,606	151,986	167,083	194,439	167,541
JUNE	181,763	181,220	187,095	175,722	187,693	167,417	182,687	172,509	225,295	214,054
JULY	199,876	199,645	240,487	202,817	185,672	187,544	215,463	220,813	276,846	231,575
AUGUST	231,447	210,777	225,280	179,208	167,623	208,123	188,933	230,157	256,548	224,237
SEPTEMBER	174,925	169,779	181,556	157,626	151,238	175,833	160,492	201,901	196,788	193,219
OCTOBER	170,759	143,805	148,186	151,878	143,498	165,156	145,722	159,802	162,949	160,356
NOVEMBER	151,193	135,482	133,317	137,452	126,023	119,924	135,922	138,403	132,187	141,937
DECEMBER	139,795	146,329	143,324	133,796	141,554	126,294	138,224	141,839	120,046	144,274
Grand Total/Yr	1,946,596	1,909,290	1,989,738	1,826,183	1,800,534	1,883,782	1,895,858	1,980,471	2,158,320	2,068,636

Final Effluent Discharge Data

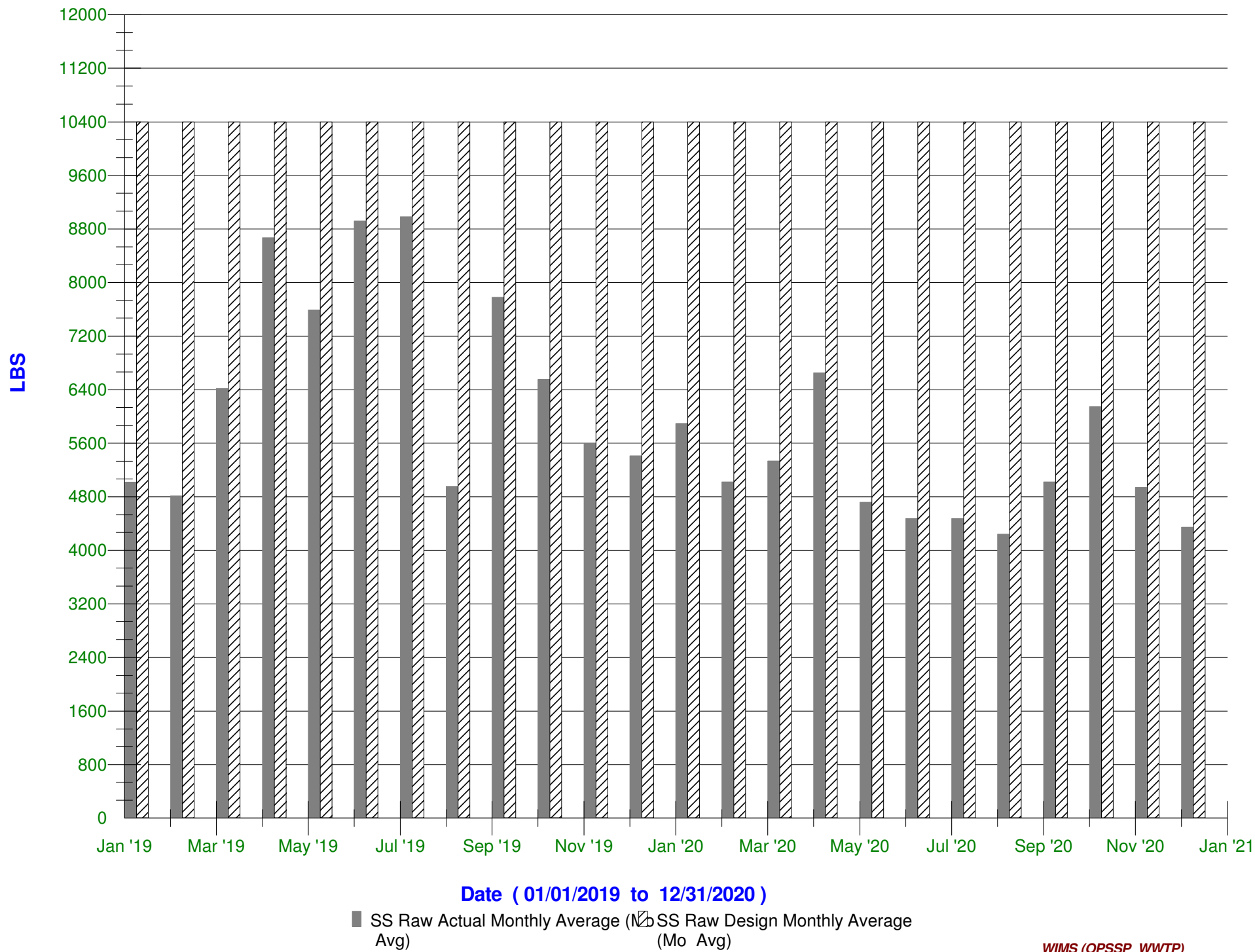
December 2020

Date	Precip INCHES	Sewage Flow		BOD					S.S.					Phosphorus				Fecal Coliform	Effluent Ammonia
		Raw	Final	Raw	Final	%	Raw	Final	Raw	Final	%	Raw	Final	Raw	Final	Raw	Final	Final #/100 ml	mg/L
		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		
12/01/2020	0.00	2.036	2.337	287	4.21	99	4,873	82	236	6.75	97	4,007.34	132	4.860	0.500	83	10		27
12/02/2020	0.00	2.050	2.363	365	3.91	99	6,240	77	256	6.00	98	4,376.83	118						
12/03/2020	0.00	2.028	2.348	293	3.96	99	4,956	78	268	5.50	98	4,532.82	108	4.560	0.410	77	8		33
12/04/2020	0.00	1.999	2.323	275	4.09	99	4,585	79	276	6.00	98	4,601.38	116						
12/05/2020	0.00	1.881	2.197	287	3.87	99	4,502	71	312	5.25	98	4,894.51	96						
12/06/2020	0.00	1.906	2.224	206	3.55	98	3,275	66	124	6.40	95	1,971.11	119	3.620	0.410	58	8		37
12/07/2020	0.00	1.961	2.269	242	3.70	98	3,958	70	232	7.20	97	3,794.30	136						
12/08/2020	0.00	1.957	2.014	307	4.79	98	5,011	80	288	6.12	98	4,700.56	103						
12/09/2020	0.00	1.986	1.997	326	14.02	96	5,400	234	252	6.30	98	4,173.94	105	5.630	0.430	93	7		14
12/10/2020	0.00	1.997	2.199	473	5.87	99	7,878	108	612	6.50	99	10,192.85	119	6.260	0.410	104	8		17
12/11/2020	0.00	1.970	2.276	326	3.70	99	5,356	70	268	6.00	98	4,403.19	114						
12/12/2020	0.00	1.904	2.190	227	3.07	99	3,605	56	228	5.70	98	3,620.49	104	4.880	0.430	77	8		29
12/13/2020	0.00	1.901	2.191	260	3.24	99	4,122	59	280	5.20	98	4,439.22	95						
12/14/2020	0.00	1.914	2.192	300	3.61	99	4,789	66	240	5.50	98	3,831.06	101						
12/15/2020	0.00	1.919	2.189	385	3.12	99	6,162	57	320	8.30	97	5,121.43	152	5.880	0.370	94	7		
12/16/2020	0.00	1.937	2.226	320	3.03	99	5,169	56	332	5.20	98	5,363.32	97						
12/17/2020	0.00	1.920	2.201	362	3.11	99	5,797	57	284	3.70	99	4,547.64	68	5.550	0.340	89	6		
12/18/2020	0.00	1.928	2.199	362	3.00	99	5,821	55	292	4.40	98	4,695.22	81	5.320	0.350	86	6		
12/19/2020	0.02	1.789	2.083	283	2.39	99	4,222	42	204	4.10	98	3,043.73	71						
12/20/2020	0.00	1.811	2.088	285	2.50	99	4,305	44	276	4.57	98	4,168.63	80						36
12/21/2020	0.00	1.870	2.147	297	2.57	99	4,632	46	308	3.90	99	4,803.51	70						38
12/22/2020	0.01	1.887	2.160	243	2.20	99	3,824	40	336	4.60	99	5,287.83	83	4.770	0.310	75	6		39
12/23/2020	0.00	1.912	2.053	293	3.01	99	4,672	52	264	3.90	99	4,209.77	67						
12/24/2020	0.01	1.724	1.669	269	16.08	94	3,868	224	280	4.50	98	4,025.88	63	4.050	0.340	58	5		26
12/25/2020	0.00	1.602	1.520	191	2.29	99	2,552	29	168	3.30	98	2,244.59	42						
12/26/2020	0.00	1.739	1.690	239	2.10	99	3,466	30	272	3.62	99	3,944.89	51	3.740	0.340	54	5		15
12/27/2020	0.00	1.745	1.707	255	2.74	99	3,711	39	288	4.00	99	4,191.35	57						
12/28/2020	0.20	1.830	1.786	210	2.95	99	3,205	44	304	4.50	99	4,639.71	67						
12/29/2020	0.00	1.800	1.738	252	2.79	99	3,783	40	296	4.13	99	4,443.55	60						
12/30/2020	0.17	1.790	1.770	260	2.74	99	3,881	40	200	2.75	99	2,985.72	41						
12/31/2020	0.00	1.886	1.841	308	3.19	99	4,845	49	216	3.50	98	3,397.52	54						
Total	0.41	58.579	64.187	8,988	125	3,056	142,464	2,139	8,512	157.39	3,039	134,653.87	2,766	59.120	4.640	948.258	82.438		311.000
Average	0.01	1.890	2.071	290	4	99	4,596	69	275	5.08	98	4,343.67	89	4.927	0.387	79.000	7.000		28.273
Maximum	0.20	2.05	2.36	473.00	16.08	99.19	7,877.81	233.50	612.00	8.30	98.94	10,192.85	151.53	6.26	0.50	104.26	9.75		39.00
Minimum	0.00	1.60	1.52	191.00	2.10	94.02	2,551.89	29.03	124.00	2.75	94.84	1,971.11	40.59	3.62	0.31	54.24	4.73		14.00

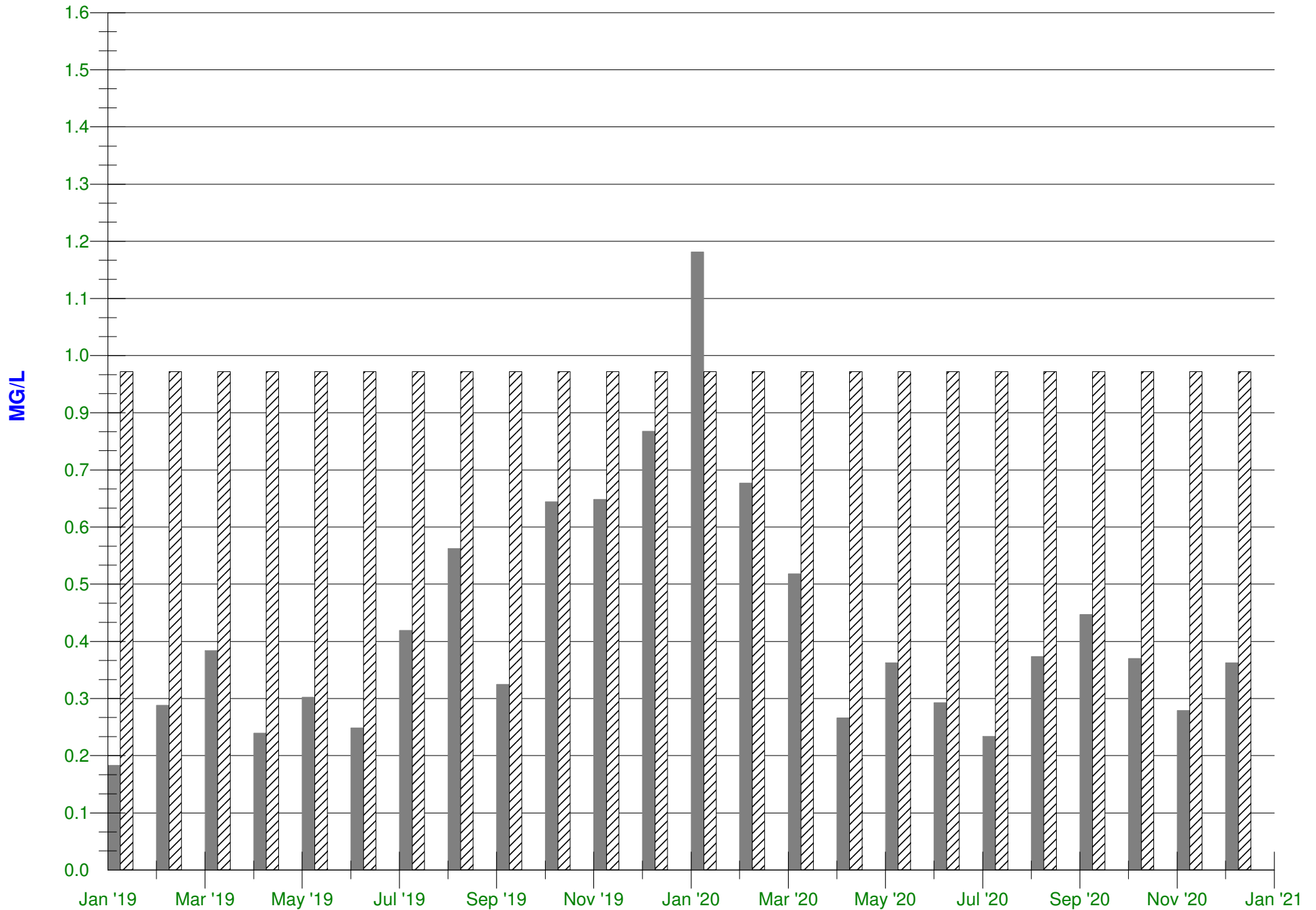
BOD Raw 2 Year History



SS Raw 2 Year History



Phosphorus mg/l 2 Year History



Date (01/01/2019 to 12/31/2020)

■ 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	%			
Jan 2020	29	15	1.20	2.323	2.858	6.581	127	1.153	28	301	5,836	3.30	78.62	99	306	5,920	5.43	129.44	98	5,342	5,757	
Feb 2020	30	8	1.05	2.132	2.498	6.196	110	0.722	15	320	5,690	4.30	89.62	99	283	5,035	8.81	183.62	97	6,950	5,601	
Mar 2020	43	26	3.88	2.669	2.992	5.166	105	0.553	13	232	5,163	3.69	92.18	98	242	5,388	9.10	227.07	96	6,200	5,071	
Apr 2020	51	31	2.12	3.425	3.801	3.682	76	0.284	7	235	6,720	2.79	88.34	99	238	6,806	6.93	219.66	97	4,667	6,632	
May 2020	65	45	4.78	2.294	2.766	4.608	83	0.387	8	266	5,094	3.75	86.60	99	253	4,832	6.01	138.61	97	5,362	5,007	
Jun 2020	78	57	7.57	2.698	3.229	3.828	84	0.313	8	219	4,921	3.82	102.76	98	200	4,491	4.18	112.51	98	6,347	4,818	
Jul 2020	83	63	2.91	2.407	2.876	3.658	75	0.250	6	238	4,778	2.97	71.16	99	223	4,476	4.79	114.99	98	5,800	4,707	
Aug 2020	81	59	1.83	2.081	2.487	4.929	86	0.398	8	250	4,345	3.58	74.17	99	244	4,232	5.16	107.13	98	4,613	4,271	
Sep 2020	67	49	2.67	2.140	2.397	5.413	96	0.477	9	286	5,099	4.14	82.74	99	281	5,022	4.89	97.82	98	3,960	5,016	
Oct 2020	51	34	2.61	2.029	2.350	6.839	117	0.395	8	342	5,791	3.72	72.93	99	363	6,137	5.02	98.47	98	4,116	5,718	
Nov 2020	49	29	3.56	2.060	2.173	5.927	102	0.298	5	288	4,952	3.21	58.12	99	287	4,935	5.13	93.05	98	3,060	4,894	
Dec 2020	32	17	0.41	1.890	2.071	4.927	79	0.387	7	290	4,569	4.05	69.85	99	275	4,327	5.08	87.67	98	5,406	4,499	
Minimum	29	8	0.41	1.890	2.071	3.658	75	0.250	5	219	4,345	2.79	58.12	98	200	4,232	4.18	87.67	96	3,060	4,271	
Maximum	83	63	7.57	3.425	3.801	6.839	127	1.153	28	342	6,720	4.30	102.76	99	363	6,806	9.10	227.07	98	6,950	6,632	
Total	658	432	34.59	28.148	32.498	61.753	1,142	5.615	123	3,268	62,959	43.30	967.09	1,183	3,194	61,603	70.55	1,610.04	1,171	61,823	61,992	
Average	55	36	2.88	2.346	2.708	5.146	95	0.468	10	272	5,247	3.61	80.59	99	266	5,133	5.88	134.17	98	5,152	5,166	

SEWER REPORT FOR THE MONTH OF DECEMBER 2020

2020	
44,334	feet of sanitary sewer flushed
976	feet of sanitary sewer cut
-	feet of storm sewer cut
-	feet of storm sewer jetted
660	feet of sanitary sewer jetted
5,542	feet of sewer main televised
-	feet of storm main televised

v.s.

2019	
80,605	feet of sanitary sewer flushed
1,647	feet of sanitary sewer cut
-	feet of storm sewer cut
-	feet of storm sewer jetted
-	feet of sanitary sewer jetted
3,656	feet of sewer main televised
-	feet of storm main televised