

Our intention is to have in-person meetings going forward. We will hold the 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
January 10, 2022 - 12:00 PM**

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

OR

Zoom Teleconferencing

Meeting URL to connect: <https://us02web.zoom.us/j/82026885705>

Dial in number: (301) 715-8592

Meeting ID: 820 26885705

AGENDA

Discussion and Possible Action on:

1. Roll Call.
2. Approval of Minutes
3. Approval of Department Claims
4. Approval of Capital Operations and 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 Monday, February 14, 2022 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 13, 2021 - 12:00 PM**

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

OR

Zoom Teleconferencing

Meeting URL to connect: <https://us02web.zoom.us/j/82026885705>

Dial in number: (301) 715-8592

Meeting ID: 820 26885705

MINUTES

Discussion and Possible Action on:

1. Roll Call.

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

EXCUSED ABSENCE: Mae Nachman

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

ALSO PRESENT Stevens Point Residents (in-person/or Zoom): Todd Huspeni - 4725 E Maria Drive, Tobias Barske-310 Virginia Circle, Jill Klesmith-4721 E. Maria Drive, Kurt Mansavage-4733 E. Maria Drive, Russ & Jody Allred-3131 Revere Road, Don Peters, Jim Radford-404 Virginia Drive, Karin Sieg, Colton Mansavage, Cortney Chaffin, Chris Radford, Mary Kneebone, Angie Ward, Ryan Kernosky, Joe Zagrzebski

2. Approval of Minutes

Motion made by Ray Schmidt, seconded by Carl Rasmussen to approve the November 8, 2021 meeting minutes of the Board of Water & Sewerage Commission.

Ayes all. Nays none. Motion carried.

3. Approval of Department Claims

Motion made by Carl Rasmussen, seconded by Anna Haines to approve the department claims for the month of November 2021 as audited and read.

Ayes all. Nays none. Motion carried.

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

Eric stated there was a significant increase in usage for November. The paper mill was using a little more water than usual. We got the equipment for the air mixer for the tower and that will be installed hopefully in the first quarter of 2022.

5. Sewage Treatment Operations Report - *Chris Lefebvre*

Chris stated all permit requirements were met for the month of November. We did

winterize the biogas generator in order to save power and to not have to run water to it and heat it over the winter. We did have a gasket issue, so our dryer and number four boiler had to run on natural gas for awhile but we were still able to produce over 27% of our own heat. The effluent discharge data on November 8, the flow was .078 and should have been 2.078. There was an issue with the SCADA system rebooting at the time. The number has been updated and submitted to the DNR.

6. Construction and Maintenance Report - Craig Czaikowski

Craig stated all of the asphalt is finished. The crews are doing the hydrant maintenance for the winter project. Crews have also been helping out at the Airport with snow removal, etc.

7. Wellhead Protection Ordinance Amendment - Joel Lemke

Joel explained the Commission has already approved the addition of Zone C. The content of this draft is very similar to the current ordinance except that our current ordinance has an actual legal description for each zone which is not necessary to have with the current mapping ability. What he is bringing forth today is language that matches the format which the County is adopting. Anna's motion to move animal confinement from special exception down to prohibited in Zone B has been done. This is what you have seen in previous meetings, but we wanted to bring the entire draft to the Commission because it will go to the Plan Commission next month.

Motion made by Ray Schmidt, seconded by Anna Haines to approve the Wellhead Protection Ordinance Amendment.

Ayes all. Nays none. Motion carried.

8. Community Area Network Report - Joel Lemke

Joel said we will be putting out a bid shortly for the project we are doing with Portage County, the school district and the City, the bulk of the project being for the County and the school district to add to our network to better serve them.

9. Directors Report - Joel Lemke

Nothing to report.

Carl Rasmussen asked when we'd be seeing the Capital Operations and Improvement Plan? Joel stated due to the full agenda today he decided to bring it to January's meeting.

10. Adjournment.

Motion made by Carl Rasmussen to adjourn the meeting.

Ayes all. Nays none. Motion carried.

Meeting Adjourned: 12:15PM

REPORT TO THE JANUARY 10th, 2022
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

WATER DEPARTMENT

FINANCES:

Bank balance as of December 1, 2021

Bank deposits recorded in December 2021

\$	3,248,395.70
\$	121,914.03
\$	3,370,309.73

CHECKS ISSUED DECEMBER 2021:

56145 Advance Auto Parts	Supplies	33.75
56147 American Asphalt Of WI	Asphalt Patches	46,673.71
56148 Baker Tilly Virchow Krause LLP	2020 Audit Charges	2,495.40
56150 Central States H & W Fund	Health Insurance Premiums	29,670.71
56153 First Supply LLC -Plover	Inventory	186.10
56154 Grainger	Replacement ballasts at Well 11	31.66
56156 Hawkins Inc	Chemicals	2,536.73
56157 Nancy Lamz	Refund Check 005490-000, 855 W GATES DR	52.73
56158 Len Dudas Motors Inc	Maintenance Truck 10	103.07
56159 Mada Embroidery& Screen Printing, LLC	Uniforms	649.85
56162 Pulsair Systems, Inc.	Air compressor freight	212.00
56163 Jason Sopa	Refund Check 006594-000, 2142 STRONGS AVE	300.20
56164 Stuczynski Trucking	Gravel/stone	882.00
56166 U.S. Postal Service	Annual rental - PO Box 242	188.00
56167 Wroblewski Concrete Construction, LLC	Concrete rings	977.00
56168 Mae Nachman	SALARIES	55.70
56169 Community Foundation of Central WI	Employee Contribution	10.00
56170 United Way Of Portage County	United Way	15.25
56173 Aramark	Uniform-winter jacket	154.70
56174 Aramark	Rug service	25.78
56175 AT&T	Long distance phone charges	36.91
56176 AT&T	Phone Charges	223.40
56177 CDW Government	Troubleshoot Utility Garage Intrusion Alarm	100.00
56179 Craig Czaikowski	Steel Toe Rubber Boots - 4 pairs	300.69
56180 Diggers Hotline Inc	Locate charges	54.40
56182 Ferguson Waterworks #1476	Inventory, Meter parts	822.70
56183 First Supply LLC -Plover	Inventory	590.45
56184 Franks Hardware Co Inc	Supplies, Furnace Filters	429.53
56186 H&S Protection Systems Inc	Annual Alarm Monitoring-Water Office	601.35
56188 Heartland Business Systems, LLC	Adobe License	791.56
56191 Len Dudas Motors Inc	Oil change Truck 36	56.10
56193 Mastercard	Glass beads, supplies, charger, light bulbs, decorations, calendar	285.23
56194 SJE	Well 8 Replacement Transducer	2,832.21
56196 Springbrook Holding Company LLC	Customer Payment Portal Fee	699.00
56197 Teamsters Union Local 662	Union dues	1,582.00
56199 Van Horn Nissan	Oil change - Truck 18, Oil change & tire rotation 24	136.66
56201 WI Central	Water Pipeline Lease	100.00
56202 WI Rural Water Assoc	Annual Membership - Joel	45.00
56203 WI State Laboratory of Hygiene	Fluoride samples	26.00
56205 American Asphalt Of WI	Asphalt patching	10,720.20
56206 AnSer	After hours answering service	120.00
56207 AT&T	Phone Charges	699.00
56210 City Of Stevens Point	Retirement, fuel & employee deductions/benefits, concrete repairs	91,199.68
56212 Donna's Cleaning Service	Cleaning service	325.00
56213 Fastenal Company	Supplies	116.48
56218 NAPA	Replacement bulb Shop Supplies	106.73
56219 SEH INC	Sprint Tower Engineering	523.16
56220 Nate Smolarek	Uniform reimbursement	99.45
56222 Star Business Machines	Qtrly Maintenance Agreement	307.52
56224 Community Foundation of Central WI	Employee Contribution	10.00

56225 United Way Of Portage County	United Way	15.25		
56227 AFLAC	Insurance Premiums	26.50		
56228 American Welding & Gas Inc	Welding Supplies	26.66		
56229 Aramark	Rug Service	25.78		
56230 City Of Stevens Point	2021 Projects	281,819.93		
56231 Complete Office of WI	Tri fold hand towels	51.80		
56232 Fastenal Company	Supplies	429.72		
56233 Ferguson Waterworks #1476	Meter parts	487.96		
56235 Heartland Business Systems, LLC	Monthly MS365 License, Monthly Managed Services	459.81		
56236 INFOSEND INC	Cycle 111 & 2 Statement Printing & Postage	1,863.54		
56238 J&C Enterprises	Plow Parts	88.76		
56239 Martelle Water Treatment	Chemical - Aquadene	7,702.47		
56240 NAPA	Supplies	80.03		
56242 Petty Cash	Mileage & postage	288.60		
56244 Schierl Inc	Tires - Truck 19 & 36	1,468.79		
56245 Staples Credit Plan	Office breakroom supplies	221.48		
56246 Nilesch Timilsina	Refund Check 023374-000, 3424 VINE ST	37.61		
56247 Transmotion LLC	Hydraulic Hose & Fitting	313.69		
56250 Central States H & W Fund	Health Insurance Premiums	29,670.71		
56251 City Of Stevens Point	Workers Comp Premium	2,098.83		
56252 CORE & MAIN LP	4 - 2" meters	5,809.12		
56253 ESRI	Annual Software Maintenance	16,625.00		
56254 Roger Kieliszewski	Boot allowance	125.00		
56255 NAPA	Supplies	19.29		
56260 TITAN PROPERTIES LLC	Refund Check 037734-000, 2700 SUNSET BLVD	55.45		
56261 Mastercard	Erosion Control Training - Eric,Dan & Jason, Conference Expenses	1,200.09		
WPS	Utility Charges	18,724.86		
Payroll	December Payroll	33,294.15		
IRS PR Tax	Payroll Taxes - Federal	32,341.01		
DOR PR Tax	Payroll Taxes - State	7,444.44		
Verizon Cell & iPad Charges	Phone & iPad Charges	456.86		
DOR Garnishment	Garnishment	9.05		
HRA Admin Fees	Admin Fees	7.50		
DOR	Annual Business Registration Fee	10.00	\$	642,494.49
TOTAL EXPENSES LISTED			\$	642,494.49
BALANCE ON HAND DECEMBER 31, 2021			\$	2,727,815.24
	Balance on Hand		\$	2,727,815.24
	Plus uncleared checks		\$	67,963.48
	Less checks previously written clearing this month		\$	(4,176.58)
	Ending Cash Balance matching Bank		\$	2,791,602.14
	Less Restricted Funds		\$	(1,060,532.07)

REPORT TO THE JANUARY, 2022
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS
SEWAGE DEPARTMENT

FINANCES:

Bank Balance as of December 1, 2021

Bank Deposits recorded in December 2021

\$	6,480,938.78
\$	341,222.42
\$	6,822,161.20

CHECKS ISSUED IN DECEMBER 2021:

56146	Stevens Point Airport	Airport's portion of credit card rebate	46.81
56148	Baker Tilly Virchow Krause LLP	2020 Audit Charges	840.79
56150	Central States H & W Fund	Health Insurance Premiums	13,075.50
56151	Envirotech Equipment	Televising cable parts	873.68
56152	Fastenal Company	Socket cap screws	2.21
56155	Hach Company	Lab supplies	375.95
56159	Mada Embroidery& Screen Printing, LLC	Uniforms	375.87
56160	Marshall-Bond Pumps Inc	Pump replacement parts	6,668.80
56161	NCL of Wisconsin Inc	Lab supplies	486.79
56164	Stuczynski Trucking	Gravel/stone	882.00
56165	Transit Department	Transit's portion of the credit card rebate	224.83
56174	Aramark	Rug service	158.43
56176	AT&T	Phone Charges	111.71
56177	CDW Government	Troubleshoot Utility Garage Intrusion Alarm	50.00
56178	CT Laboratories	Samples	210.00
56180	Diggers Hotline Inc	Locate charges	13.60
56181	Fastenal Company	Supplies	86.62
56184	Franks Hardware Co Inc	Supplies	147.61
56185	Graybar Electric Co	Splicing kit	81.90
56186	H&S Protection Systems Inc	Annual Alarm Monitoring-Sewage Lab	2,609.40
56187	Harter's Fox Valley Disposal	Dumpster Service	367.92
56188	Heartland Business Systems, LLC	Adobe License	791.56
56189	Ingersoll Rand Co	Element, air filter	389.84
56190	Kraft Power	Replace Ignition-Biogas Generator, biogas generator parts, ignition unit	5,638.67
56193	Mastercard	Parts for televising trailer	19.94
56195	Solenis LLC	Praestol	17,037.60
56198	UW Stevens Point	Intern wages	1,556.69
56205	American Asphalt Of WI	Asphalt patching	15,064.30
56207	AT&T	Phone Charges	845.01
56208	Brenntag Great Lakes LLC	Chemical-Ferric Chloride	10,143.08
56210	City Of Stevens Point	Retirement, fuel & employee deductions/benefits, back hoe rental, concrete repairs	10,549.68
56211	Rebecca Danczyk	Boot allowance	125.00
56212	Donna's Cleaning Service	Cleaning service	25.00
56213	Fastenal Company	Hardware	46.77
56214	Grainger	Pressure washer & parts	1,127.13
56215	Hawkins Inc	Chemical -Azone	540.54
56221	Spee Dee Delivery Service Inc.	Shipping charges for samples	8.09
56223	USA Blue Book	Sign	285.84
56229	Aramark	Rug Service	158.43
56230	City Of Stevens Point	2021 Projects	188,046.47
56234	Harter's Fox Valley Disposal	Dumpster service	369.53
56235	Heartland Business Systems, LLC	Monthly MS365 License, Monthly Managed Services	459.81
56237	Ingersoll Rand Co	Parts	1,268.34
56238	J&C Enterprises	Plow Parts	88.76
56241	NCL of Wisconsin Inc	Lab Supplies	1,628.35
56246	Nilesh Timilsina	Refund Check 023374-000, 3424 VINE ST	58.65
56248	UNLINE	Foam tape	52.82
56249	Arctic Air Refrigeration	Troubleshoot Compressor Breaker	4,554.50
56250	Central States H & W Fund	Health Insurance Premiums	13,075.50
56251	City Of Stevens Point	Workers Comp Premium	1,254.90
56253	ESRI	Annual Software Maintenance	7,875.00

56256	Northern Lake Services Inc	Samples	47.30		
56257	Olsen Safety Equipment Corp	Calibration gas	449.10		
56259	Spee Dee Delivery Service Inc.	Shipping Charges	9.82		
56260	TITAN PROPERTIES LLC	Refund Check 037734-000, 2700 SUNSET BLVD	101.05		
56261	Mastercard	Supplies, membership renewal & conference expenses	326.24		
	UPS	Shipping Charges	33.91		
	Verizon Charges	Verizon Charges	262.50		
	WPS Utility Charges	Gas & Electric	24,428.08		
	HRA	Admin Fees	7.50		
	Sewer Payroll	Payroll	44,508.32		
	Payroll Taxes	Payroll Taxes	3,133.83		
	TOTAL OF EXPENSES LISTED		<u>\$ 384,083.87</u>	\$	384,083.87
	BALANCE ON HAND DECEMBER 31, 2021			\$	6,438,077.33
		Balance on Hand		\$	6,438,077.33
		Plus uncleared checks		\$	30,790.33
		Less checks previously written clearing this month		\$	(4,603.05)
		Ending Cash Balance matching Bank Statements		<u>\$</u>	<u>6,464,264.61</u>
				Less Restricted Balance	\$ (3,006,415.34)
				TOTAL	\$ 3,457,849.27

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

REPORT TO THE JANUARY 2022
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

STORM WATER/FIBER DEPARTMENT

FINANCES:

Bank balance as of December 1, 2021
 Bank deposits recorded in December 2021

\$	341,980.42
\$	3,437,848.97
\$	3,779,829.39

CHECKS ISSUED DECEMBER 2021:

56148	Baker Tilly Virchow Krause LLP	2020 Audit Charges	401.36
56149	Beaver Of WI Inc	Supplies	395.00
56150	Central States H & W Fund	Health Insurance Premiums	8,372.99
56157	Nancy Lamz	Refund Check 005490-000, 855 W GATES DR	34.55
56159	Mada Embroidery& Screen Printing, LLC	Uniforms	233.66
56164	Stuczynski Trucking	Gravel/stone	4,698.00
56176	AT&T	Phone Charges	111.70
56177	CDW Government	Troubleshoot Utility Garage Intrusion Alarm	50.00
56179	Craig Czaikowski	Steel Toe Rubber Boots - 4 pairs	100.21
56180	Diggers Hotline Inc	Locate charges	13.60
56184	Franks Hardware Co Inc	Tools & supplies	354.59
56185	Graybar Electric Co	Supplies	34.12
56188	Heartland Business Systems, LLC	Adobe License	791.56
56191	Len Dudas Motors Inc	Truck 5 oil change - tire rotation, Oil change Truck 37	121.05
56192	Multimedia Communications & Engineering Inc.	Fiber Network Support	350.00
56200	Werner Electric Supply	Conduit	24.18
56204	Zblewski Bros	Tree Planting Expense	8,591.50
56205	American Asphalt Of WI	Asphalt patching	8,130.57
56209	Candlewood Properties	Refund Check 012371-000, 1641 MAIN ST	30.59
56210	City Of Stevens Point	Retirement, fuel & employee deductions/benefits, concrete repairs	18,828.33
56212	Donna's Cleaning Service	Cleaning service	25.00
56213	Fastenal Company	Markers	27.99
56216	Johnson Nursery Inc	Trees	10,734.00
56217	Shane Kohnen	Boot allowance	125.00
56226	Advance Auto Parts	Trailer light	28.47
56230	City Of Stevens Point	2021 Projects	765,931.20
56235	Heartland Business Systems, LLC	Monthly Managed Services, Monthly MS365 License	459.81
56238	J&C Enterprises	Plow Parts	88.75
56243	Portage Cty Register of Deeds	Record Stormwater Quick Claim Deed	60.00
56244	Schierl Inc	Tires - Truck 37	705.76
56246	Nilesh Timilsina	Refund Check 023374-000, 3424 VINE ST	0.45
56250	Central States H & W Fund	Health Insurance Premiums	8,372.99
56251	City Of Stevens Point	Workers Comp Premium	1,009.06
56253	ESRI	Annual Software Maintenance	10,500.00
56258	Portage County Treasurers Offi	Unpaid property taxes on Quick Claim Property	145.75
56261	Mastercard	Erosion Control Training - Eric,Dan & Jason	319.00
	Chase Bank	Maintenance & Payment Fees	622.73
	Verizon	Ipad & cell phone charges	400.61
	Payroll	Payroll	21,828.25
	IRS	Payroll Taxes	1,911.78
	WPS	Monthly Utility Charges	507.73
TOTAL OF EXPENSES LISTED			\$ 875,471.89
BALANCE ON HAND DECEMBER 31, 2021			\$ 2,904,357.50
Balance on Hand			\$ 2,904,357.50
Plus checks written after the end of this month			
Plus uncleared checks			\$ 21,309.69
Less checks previously written clearing this month			\$ (1,972.77)
Ending Cash Balance matching Bank Statements			\$ 2,923,694.42

STEVENS POINT WATER DEPARTMENT CONSUMPTION HISTORY

(Pumpage x 1,000)

MONTH	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
JANUARY	138,644	150,622	142,263	147,206	140,438	131,056	135,295	140,095	130,487	145,393
FEBRUARY	135,391	131,127	135,573	132,869	123,311	124,330	132,142	134,021	131,003	146,311
MARCH	150,690	138,327	154,358	148,770	139,881	131,189	146,717	147,561	141,337	149,346
APRIL	146,563	127,470	135,713	133,238	142,367	135,484	145,731	154,752	145,137	152,172
MAY	174,529	149,292	154,346	168,410	141,687	175,174	173,606	151,986	167,083	194,439
JUNE	225,268	181,763	181,220	187,095	175,722	187,693	167,417	182,687	172,509	225,295
JULY	214,800	199,876	199,645	240,487	202,817	185,672	187,544	215,463	220,813	276,846
AUGUST	206,429	231,447	210,777	225,280	179,208	167,623	208,123	188,933	230,157	256,548
SEPTEMBER	181,626	174,925	169,779	181,556	157,626	151,238	175,833	160,492	201,901	196,788
OCTOBER	188,859	170,759	143,805	148,186	151,878	143,498	165,156	145,722	159,802	162,949
NOVEMBER	169,636	151,193	135,482	133,317	137,452	126,023	119,924	135,922	138,403	132,187

STEVENS POINT, WISCONSIN WATERWORKS REPORT

FOR DECEMBER 2021

CURRENT YEAR VS. PREVIOUS YEAR

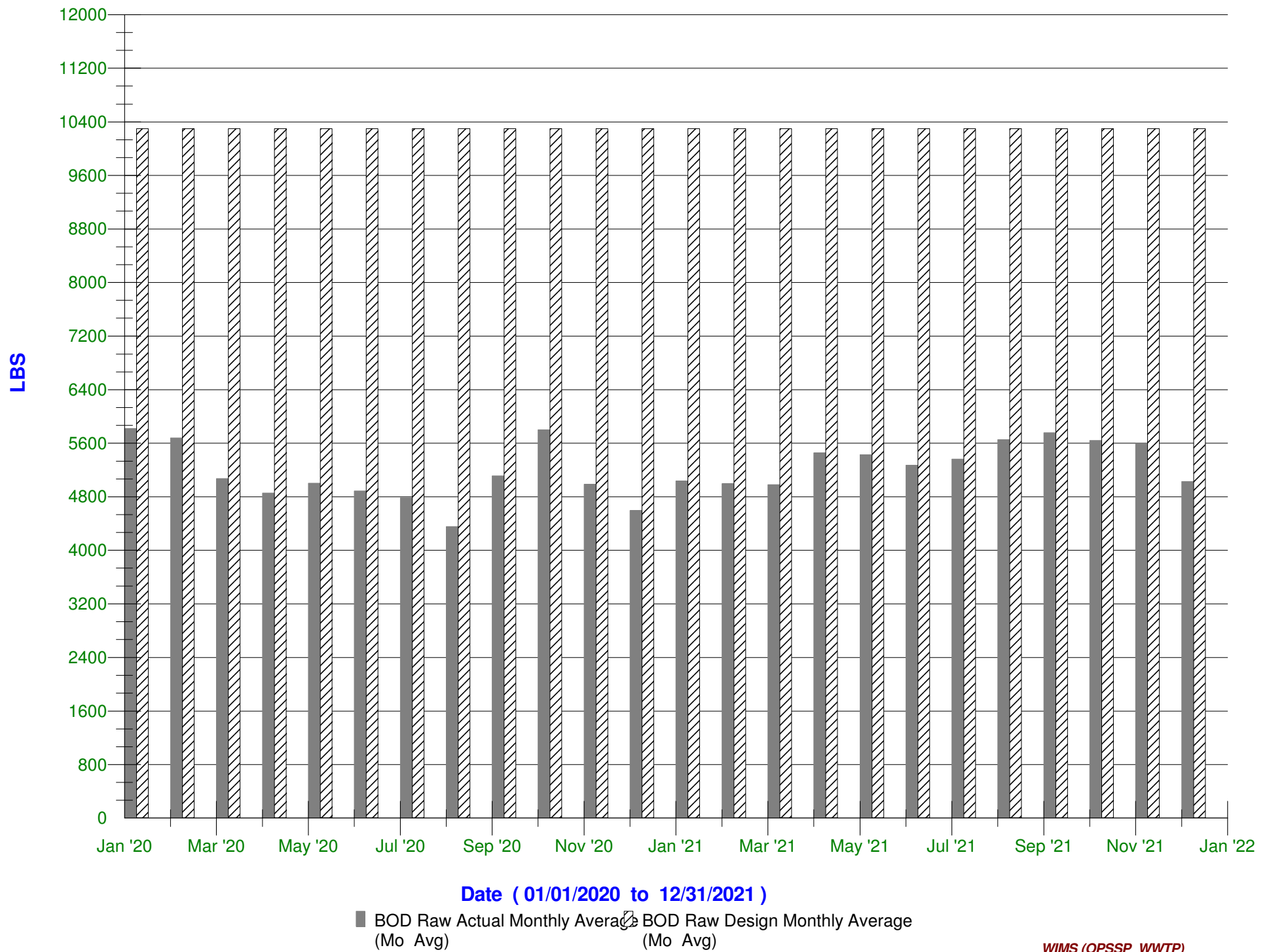
	2020	2021	INCREASE	DECREASE	RECORD HIGH/LOW	DATE	
Total pumpage, gallons	139,795,000	186,582,000	46,787,000		201,625,000	12/1/2003	
Daily pumping average, in gallons	4,510,000	6,018,000	1,508,000				
Peak pumpage, gallons, (date)	5,127,000 (10TH)	6,879,000 (1ST)	1,752,000		8,837,000	12/2/2001	
Low pumpage, gallons, (date)	3,950,000 (25TH)	5,314,000 (4TH)	1,364,000		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	\$14,574.05	\$17,493.50	\$2,919.45		\$17,201.68	Dec-12	
K.W.H's used	205,239	237,803	32,564		\$17,493.50	Dec-21	
Gallons pumped per K.W.H.	681	785	104				

Final Effluent Discharge Data

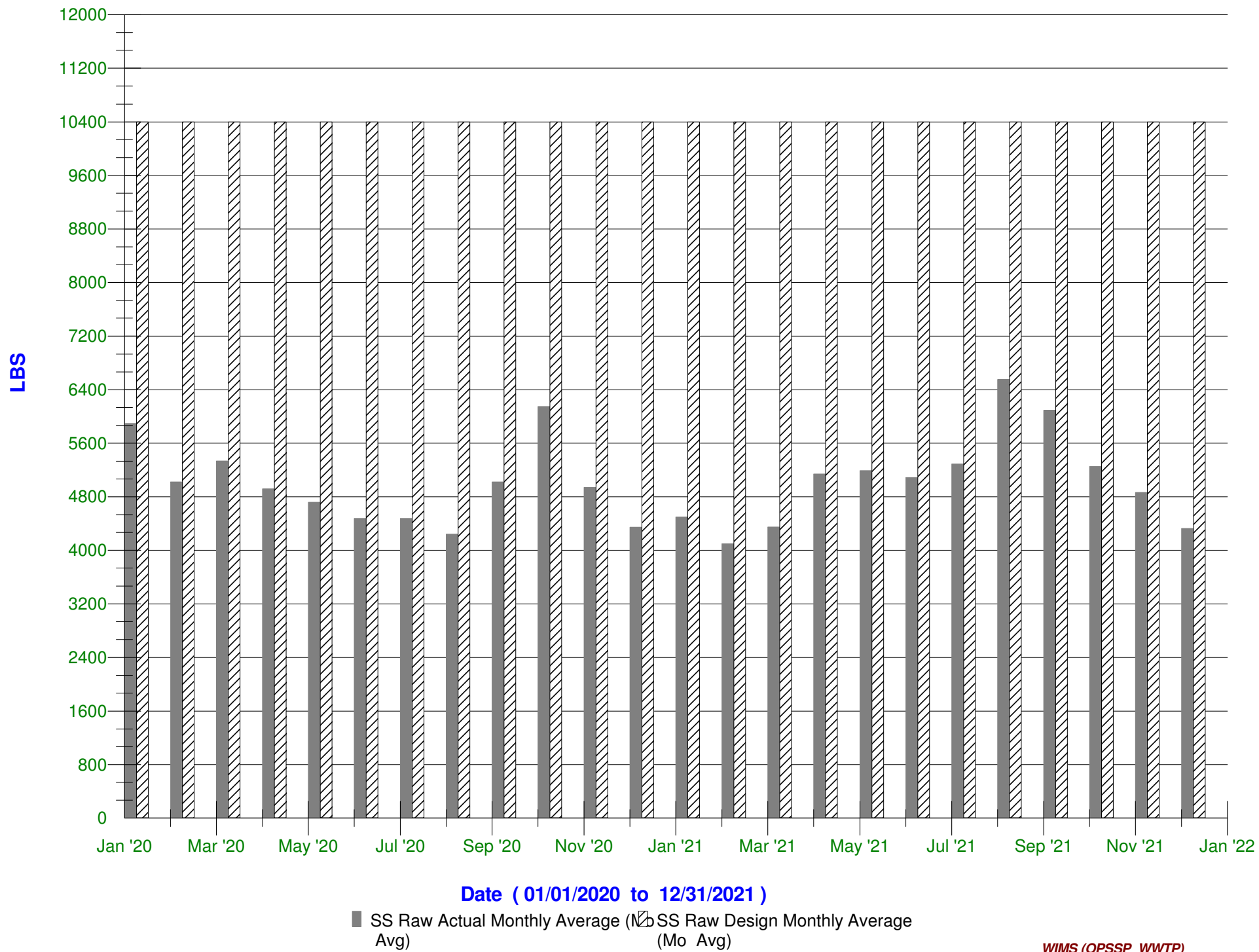
December 2021

		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	Coliform	Ammonia
		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
12/01/2021	0.03	2.089	2.497	317	3.84	99	5,523	80	288	3.20	99	5,017.61	67		0.300		6		43
12/02/2021	0.00	2.094	2.384	332	3.27	99	5,798	65	264	2.60	99	4,610.49	52						
12/03/2021	0.12	1.976	2.386	360	3.16	99	5,933	63	284	2.41	99	4,680.27	48		0.240		5		48
12/04/2021	0.00	1.701	2.062	266	2.87	99	3,766	49	236	2.57	99	3,347.98	44		0.260		4		47
12/05/2021	0.05	2.162	2.629	270	2.78	99	4,868	61	300	3.88	99	5,409.32	85						
12/06/2021	0.26	2.001	2.388	335	3.14	99	5,582	63	256	3.80	99	4,272.22	76						
12/07/2021	0.00	1.994	2.356	320	12.31	96	5,322	242	256	4.20	98	4,257.27	83						
12/08/2021	0.05	2.038	2.418	362	4.54	99	6,153	92	252	4.20	98	4,283.22	85	6.280	0.310	107	6		52
12/09/2021	0.00	2.020	2.409	223	4.07	98	3,757	82	148	3.80	97	2,493.33	76						
12/10/2021	0.12	2.009	2.297	311	3.62	99	5,211	69	272	4.20	98	4,557.38	80	6.730	0.280	113	5		46
12/11/2021	0.54	1.912	2.017	272	12.30	95	4,337	207	228	3.37	99	3,635.71	57						
12/12/2021	0.22	1.997	2.105	347	3.49	99	5,779	61	292	4.20	99	4,863.25	74	6.560	0.230	109	4		26
12/13/2021	0.00	2.079	2.204	346	4.41	99	5,999	81	240	4.60	98	4,161.33	85						
12/14/2021	0.00	2.070	2.418	373	4.89	99	6,435	99	332	4.40	99	5,731.58	89						
12/15/2021	0.00	2.166	2.448	392	5.37	99	7,072	110	384	4.10	99	6,936.74	84						
12/16/2021	0.34	2.268	2.397	407	6.51	98	7,703	130	560	5.20	99	10,592.47	104						
12/17/2021	0.00	2.171	2.320	311	6.99	98	5,622	135	212	6.20	97	3,838.50	120						
12/18/2021	0.00	1.974	2.054	293	5.36	98	4,828	92	292	4.90	98	4,807.24	84						
12/19/2021	0.02	2.018	2.077	228	3.88	98	3,837	67	240	3.80	98	4,039.23	66						
12/20/2021	0.00	2.052	2.313	341	4.18	99	5,827	81	232	4.00	98	3,970.37	77						
12/21/2021	0.00	1.991	2.072	258	4.04	98	4,284	70	208	4.40	98	3,453.83	76						
12/22/2021	0.01	1.973	2.030	273	5.02	98	4,492	85	300	4.00	99	4,936.45	68	7.020	0.260	116	4		21
12/23/2021	0.00	1.953	2.048	284	5.91	98	4,618	101	264	4.00	98	4,300.04	68	6.990	0.360	114	6		23
12/24/2021	0.02	1.840	1.939	301	6.47	98	4,615	105	192	4.60	98	2,946.36	74						
12/25/2021	0.06	1.652	1.730	187	4.61	98	2,573	67	172	4.00	98	2,369.76	58	5.120	0.300	71	4		24
12/26/2021	0.00	1.784	1.875	263	4.09	98	3,917	64	196	4.49	98	2,916.20	70						
12/27/2021	0.18	1.821	1.905	298	2.28	99	4,522	36	268	4.60	98	4,070.15	73						
12/28/2021	0.00	1.812	1.894	245	3.78	98	3,706	60	192	4.02	98	2,901.52	63						
12/29/2021	0.23	1.852	1.946	287	3.96	99	4,437	64	204	3.74	98	3,150.92	61						
12/30/2021	0.00	1.855	1.930	284	3.71	99	4,386	60	212	3.64	98	3,279.79	59						
12/31/2021	0.00	1.873	1.965								100								
Total	2.25	61.197	67.513	9,083	145	2,951	150,903	2,639	7,776	121.12	3,050	129,830.51	2,204	38.700	2.540	628.667	46.027		330.200
Average	0.07	1.974	2.178	303	5	98	5,030	88	259	4.04	98	4,327.68	74	6.450	0.282	105.000	4.889		36.667
Maximum	0.54	2.27	2.63	407.25	12.31	99.23	7,703.18	241.88	560.00	6.20	100.00	10,592.47	119.96	7.02	0.36	115.51	6.25		52.00
Minimum	0.00	1.65	1.73	186.75	2.28	95.48	2,572.98	36.22	148.00	2.41	97.08	2,369.76	44.20	5.12	0.23	70.54	4.04		21.00

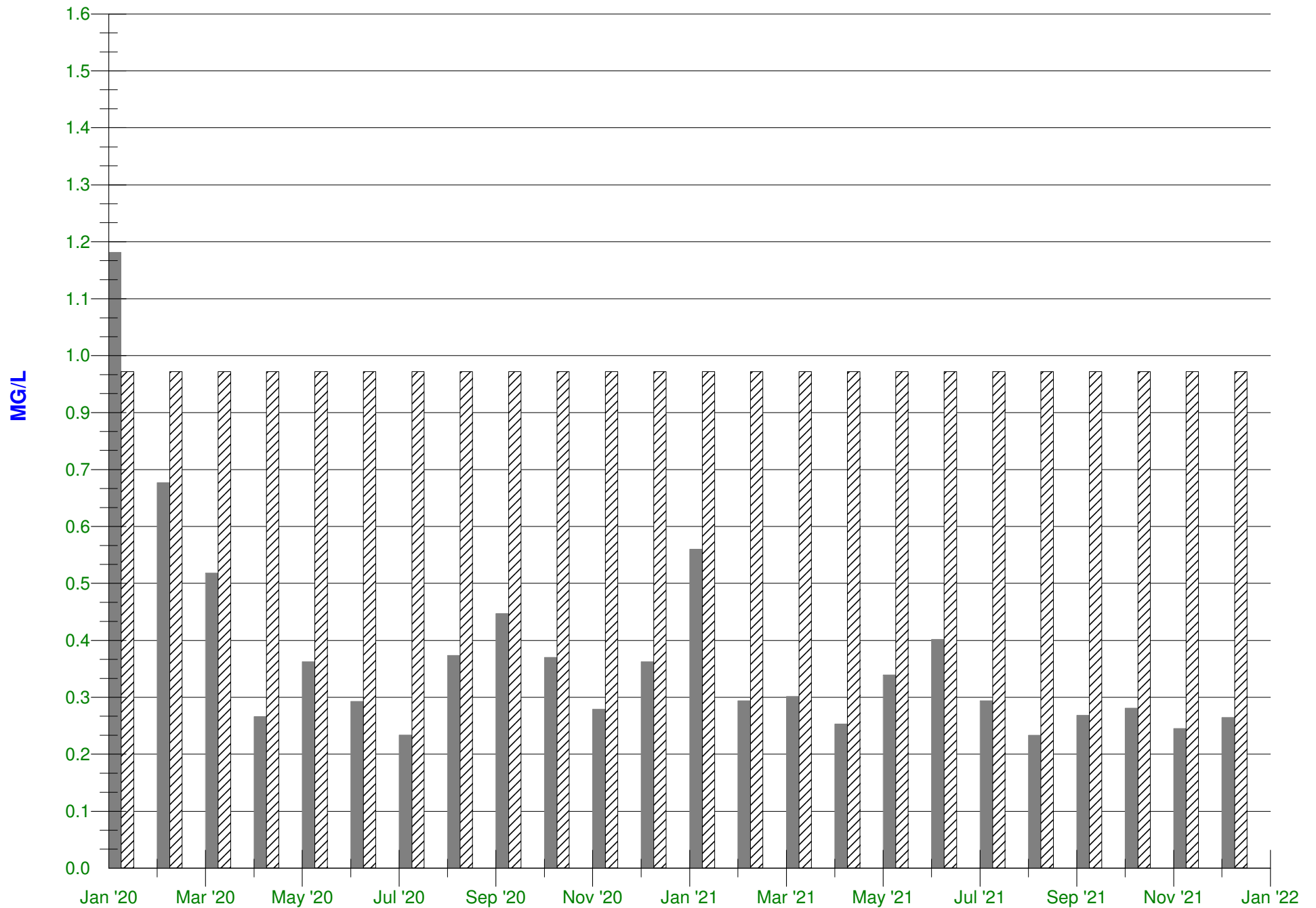
BOD Raw 2 Year History



SS Raw 2 Year History



Phosphorus mg/l 2 Year History



Date (01/01/2020 to 12/31/2021)

■ 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 2021	27	14	0.64	1.868	1.942	5.647	88	0.598	10	323	5,030	4.70	76.12	98	289	4,496	6.94	112.38	97	6,445	4,954	
Feb 2021	22	1	1.11	1.907	2.045	5.470	87	0.313	5	314	4,986	3.85	65.69	99	258	4,098	6.12	104.35	97	7,171	4,920	
Mar 2021	48	27	1.75	2.009	2.272	5.003	84	0.322	6	296	4,962	3.40	64.48	99	259	4,337	7.07	133.97	97	4,310	4,898	
Apr 2021	56	36	2.07	2.155	2.482	4.822	86	0.270	6	304	5,455	3.69	76.46	99	287	5,152	4.00	82.73	99	4,807	5,379	
May 2021	66	45	3.15	2.086	2.222	4.836	83	0.362	6	310	5,399	3.84	71.24	99	298	5,190	3.99	73.98	99	2,613	5,328	
Jun 2021	81	59	7.47	2.169	2.566	5.340	90	0.428	9	295	5,341	2.91	62.24	99	288	5,208	3.84	82.25	99	6,507	5,279	
Jul 2021	80	59	4.98	2.392	2.740	4.763	94	0.313	7	267	5,325	4.72	107.90	98	264	5,264	3.57	81.68	98	6,845	5,217	
Aug 2021	80	61	10.28	2.748	3.023	5.844	126	0.249	6	255	5,836	3.96	99.71	98	292	6,699	4.14	104.40	98	5,594	5,736	
Sep 2021	74	50	1.57	2.664	2.835	4.248	93	0.286	7	260	5,778	4.16	98.32	98	276	6,136	4.19	99.03	98	3,107	5,680	
Oct 2021	63	44	1.04	2.202	2.429	6.373	118	0.300	6	306	5,620	4.02	81.47	99	286	5,255	3.75	76.04	99	2,929	5,539	
Nov 2021	43	23	1.07	2.024	2.265	5.993	102	0.262	5	329	5,547	3.78	71.42	99	286	4,825	3.39	64.06	99	3,973	5,476	
Dec 2021	32	17	2.25	1.974	2.178	6.450	105	0.282	5	303	4,985	4.83	87.70	98	259	4,267	4.04	73.33	98	3,987	4,897	
Minimum	22	1	0.64	1.868	1.942	4.248	83	0.249	5	255	4,962	2.91	62.24	98	258	4,098	3.39	64.06	97	2,613	4,897	
Maximum	81	61	10.28	2.748	3.023	6.450	126	0.598	10	329	5,836	4.83	107.90	99	298	6,699	7.07	133.97	99	7,171	5,736	
Total	672	436	37.38	26.198	28.999	64.788	1,155	3.985	78	3,561	64,264	47.87	962.76	1,183	3,341	60,927	55.05	1,088.21	1,178	58,287	63,301	
Average	56	36	3.12	2.183	2.417	5.399	96	0.332	7	297	5,355	3.99	80.23	99	279	5,077	4.59	90.68	98	4,857	5,275	

SEWER REPORT FOR THE MONTH OF DECEMBER 2021

2021	
86,729	feet of sanitary sewer flushed
5,195	feet of sanitary sewer cut
-	feet of storm sewer cut
-	feet of storm sewer jetted
3,292	feet of sanitary sewer jetted
-	feet of sewer main televised
-	feet of storm main televised

v.s.

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