

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
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

AGENDA

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 - *Craig Czaikowski*
7. Wellhead Protection Ordinance Amendment - *Joel Lemke*
8. Community Area Network Report - *Joel Lemke*
9. Directors Report - *Joel Lemke*
10. Adjournment.

The next Water and Sewerage Commission meeting will be Monday, January 10, 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
November 8, 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: Carl Rasmussen, Anna Haines, Mae Nachman and Ray Schmidt

EXCUSED ABSENCE: Paul Adamski

STAFF PRESENT: Joel Lemke, Chris Lefebvre, Eric Southworth, Craig Czaikowski, and Jaime Zdroik

2. Approval of Minutes

Motion made by Ray Schmidt, seconded by Mae Nachman to approve the September 13, 2021 meeting minutes of the Board of Water & Sewerage Commission.

Ayes all. Nays none. Motion carried.

3. Approval of Department Claims

Motion made by Mae Nachman, seconded by Ray Schmidt to approve the department claims for the months of September and October 2021 as audited and read.

Ayes all. Nays none. Motion carried.

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

Eric stated the high service lift pump has been repaired at Well 11. The water tower on Bliss Avenue was cleaned by a diver with a vacuum in order for us to install our new airburst system which will be here the first week in December. Eric and Joel fielded questions from the Commissioners on how the airburst system works. The Commissioners would like to see video/demos of how this system works.

5. Sewage Treatment Operations Report - *Chris Lefebvre*

Chris stated all permit requirements were met for both September and October. In September we produced 14% of our own electricity and 55% of our own heat. The dryer was running quite a bit making us a little less efficient than we liked to be. In October, the dryer was not running much and we were able to produce 40% of our electricity and 87% of our own heat. Since then, the generator blew a head gasket and we are currently shut down again. We are looking at cost to benefit balance before we

put anymore money into this system. Currently, it doesn't look good for a rebuild but we are looking at the options and will decide how to proceed going forward.

6. Awarding project #21-15 (Test Well Drilling) to Midwest Well Services, Inc. dba: Municipal Well and Pump from Waupun, WI in an amount not to exceed \$92,472.65 - Joel Lemke

Joel stated there was a bid opening for test well drilling associated with well 12 development. There was one bidder on the project Midwest Well Services, Inc. dba: Municipal Well and Pump.

Motion made by Ray Schmidt, seconded by Mae Nachman to award the project to Municipal Well and Pump in an amount not to exceed \$92,427.65, which includes the 15% maximum for allowed change orders.

Ayes all. Nays none. Motion carried.

7. Construction and Maintenance Report - Craig Czaikowski

Craig stated the crews have finished up the lead services for this year. The north side project will be finished up this week with some of the project extending into next year.

Asphalt should be done this week. The crew has also been working on the hydrants getting them ready for the winter months. The stormwater crew has been out at the Airport getting the snow removal equipment ready for winter.

8. Agreements with MC&E for professional services - Joel Lemke

Joel stated there are two agreements for services related to design and construction management with MC&E. These are mostly pass through costs. We will be bidding out another fiber conduit installation project for the school district and for the county to connect to our Community Area Network.

Motion made by Mae Nachman, seconded by Anna Haines to approve the two agreements with MC&E, one for Project Management in the amount of \$8,722.00 and one for Engineering in the amount of \$31,912.31.

Ayes all. Nays none. Motion carried.

9. Directors Report - Joel Lemke

Joel stated previously the Commission had approved utility rate adjustments. That approval was contingent with the Public Service Commission coming back with approved water rates and those were approved. So all utility rate increases will take effect December 1, 2021. Water 3% increase, Sewer 3% increase and Stormwater a 6% increase.

We will be bringing forward the Capital Improvement Plan to the December meeting.

There was a public bid opening on November 5, 2021 for the sale of bonds for the Stormwater Utility in order to pay for the 2021 and 2022 reconstruction costs. The borrowing amount is \$3,305,000.

The County Planning and Zoning Committee forwarded a version of the wellhead protection ordinance to the County Board that looks much like the one approved by the

Water and Sewerage Commission with one exception, that is that the zone B boundaries are less desirable for the City in the County's version. We are planning on taking ordinance amendments to the Common Council that match the Commission's approval. Joel explained the difference in the zone B boundaries to the Commissioners.

Joel also provided the Commission with an update on the solar power system.

10. Adjournment.

Motion made by Ray Schmidt to adjourn the meeting.

Ayes all. Nays none. Motion carried.

Meeting Adjourned: 12:55PM

REPORT TO THE DECEMBER 13, 2021
MEETING OF THE BOARD OF WATER AND SEWERAGE COMMISSIONERS

WATER DEPARTMENT

FINANCES:

Bank balance as of November 1, 2021

\$ 3,257,446.78

Bank deposits recorded in November 2021

\$ 319,266.65

\$ 3,576,713.43

CHECKS ISSUED NOVEMBER 2021:

56060	Mae Nachman	Salary	55.70
56061	Community Foundation of Central WI	Employee contribution	10.00
56062	United Way Of Portage County	United Way	15.25
56063	Jade Lech	Refund Check 027602-000, 924 Songbird Ln Unit J5	51.88
56065	Aramark	Rug service	25.78
56066	AT&T	Utility Garage - Phone Charges	421.14
56067	Blackburn Mfg Co	Locate flags	106.86
56068	CAD Trucking & Excavating	Concrete repairs 2724 Ellis St. WO#3125	260.00
56071	CORE & MAIN LP	3" meter, 4" meter repair kit	1,789.69
56072	County Materials Corp	Block for yard storage	30.05
56073	Fastenal Company	Supplies, rubber boots with steel toes	109.70
56074	Ferguson Waterworks #1476	3/4 & 1" meters, Replacement meter heads	9,187.75
56075	First Supply LLC -Plover	Manhole riser rings	7,804.23
56076	Franks Hardware Co Inc	Tools & supplies	314.55
56077	Gary's Service Center	Snow plow parts	94.86
56078	Hawkins Inc	Chemicals	5,464.93
56079	Heartland Business Systems, LLC	IT Support Charges	52.50
56081	Multi Media Channels, LLC	Publish rate increase request	240.00
56082	NAPA	Tools	124.73
56085	Mastercard	Supplies/heater	243.68
56087	Springbrook Holding Company LLC	Civic Pay Transaction Fee	1,029.00
56088	Strand Associates Inc	Professional Services Well 4 Replacement	3,775.75
56089	USA Blue Book	Lab Supplies	124.29
56092	WI State Laboratory of Hygiene	Fluoride samples	26.00
56093	Wroblewski Concrete Construction, LLC	Inventory - manhole rings	2,202.00
56094	Zarnoth Brush Works, Inc.	Wafer Broom Refill	213.45
56095	City Of Stevens Point	Workers Comp Premium	7.14
56096	American Welding & Gas Inc	Welding supplies	345.85
56097	AnSer	After hours answering service	120.00
56098	AT&T	Phone charges	635.50
56099	Badger Heating & Air Conditioning	Troubleshoot compressor issue	87.50
56100	Bauernfeind Business Technologies	Copier quarterly maintenance agreement	179.09
56101	Cityworks	Annual Software Renewal	7,000.00
56102	CORE & MAIN LP	3" meter chamber	1,194.69
56104	Donna's Cleaning Service	Utility Garage - Cleaning Service	300.00
56105	Fastenal Company	Supplies	8.28
56106	Ferguson Waterworks #1476	12 - 5/8" meter, Hydrant Replacement Chains	7,194.11
56107	First Supply LLC -Plover	Inventory	142.32
56108	Grainger	Replacement damper for fan	305.42
56109	Heartland Business Systems, LLC	Monthly Managed Services	234.38
56110	Jeff Hoffman	Winter bibs - uniform reimbursement	126.59
56111	INFOSEND INC	Printing & postage - monthly billing	2,261.52
56112	Martelle Water Treatment	Chemicals	3,990.03
56113	Midstate Lock LLC	Water tower lock repair	391.99
56115	NAPA	Supplies	34.97
56118	Sarah Ritter	Refund Check 034678-000, 616 Meadow St.	68.68
56119	SEH INC	Sprint Tower Engineering	212.42
56122	Staples Credit Plan	Replacement Monitors, calendars & supplies	1,034.11
56123	Teamsters Union Local 662	Union Dues	1,582.00

56124	Mastercard	Flowers for funerals, replacement carafe	98.66
56125	USA Blue Book	Lab supplies	634.58
56126	Kristi Waits	Refund Check 000862-000, 3101 Whiting Ave Apt E11	56.51
56127	WDATCP	Annual Lab Test Fee	408.00
56128	Community Foundation of Central WI	Employee contribution	10.00
56129	United Way Of Portage County	United Way	15.25
56130	AFLAC	Insurance Premiums	26.50
56131	Aramark	Rug Service	25.78
56132	CDW Government	Anywhere Cloud Service E911A	679.83
56133	City Of Stevens Point	Workers Comp Insurance Premium	2,093.51
56134	Ferguson Waterworks #1476	Inventory, hydrant painting	24,465.00
56136	Heartland Business Systems, LLC	Managed Services, Monthly Microsoft 365	225.43
56137	Herrschners Co	Refund Check 030729-002, 2800 Hoover Rd	105.42
56138	Len Dudas Motors Inc	Oil change & tire rotation Truck 12	56.87
56139	Rebecca Loucks	Refund Check 024051-000, 5525 Woodland St.	10.00
56140	William Opiola	Refund Check 008260-000, 3296 Church St Ste A	41.95
56141	Pulsair Systems, Inc.	Bliss Tower Mixing System	11,507.19
56143	Summit Companies	Annual Fire Extinguisher Inspection	685.20
56144	USA Blue Book	Back Pressure Check Valves	706.80
	WPS	Utility Charges	17,584.44
	Payroll	November Payroll	34,492.69
	IRS PR Tax	Payroll Taxes - Federal	31,102.25
	DOR PR Tax	Payroll Taxes - State	7,486.70
	Verizon Cell & iPad Charges	Phone & iPad Charges	1,318.10
	DOR Garnishment	Garnishment	9.05
	HRA Admin Fees	Admin Fees-3 months	230.08
TOTAL EXPENSES LISTED			\$ 195,306.15
BALANCE ON HAND NOVEMBER 30, 2021			\$ 3,381,407.28
Balance on Hand			\$ 3,381,407.28
Plus uncleared checks			\$ 4,281.44
Less checks previously written clearing this month			\$ (137,293.02)
Ending Cash Balance matching Bank			\$ 3,248,395.70
Less Restricted Funds			\$ (1,060,520.23)

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

FINANCES:

Bank Balance as of November 1, 2021

Bank Deposits recorded in November 2021

\$	6,351,197.80
\$	380,491.77
\$	6,731,689.57

CHECKS ISSUED IN NOVEMBER 2021:

56063	Jade Lech	Refund Check 027602-000, 924 SONGBIRD LN UNIT J5	62.84		
56064	Aquachem of America Inc.	Chemicals	11,500.00		
56065	Aramark	Rug service	180.93		
56067	Blackburn Mfg Co	Locate flags	213.72		
56069	CDW Government	Switch replacement	180.00		
56076	Franks Hardware Co Inc	Tools	35.48		
56077	Gary's Service Center	Snow plow parts	94.86		
56078	Hawkins Inc	Chemicals	451.71		
56082	NAPA	Antifreeze	239.70		
56083	NCL of Wisconsin Inc	Lab supplies	664.47		
56084	Op2myz LLC	Training - Michael F.	240.00		
56086	SJE	Troubleshoot Industrial Park Lift Station	693.08		
56090	UW Stevens Point	Intern Wages	1,087.79		
56092	WI State Laboratory of Hygiene	Samples	1,128.00		
56094	Zarnoth Brush Works, Inc.	Wafer Broom Refill	213.45		
56098	AT&T	Phone charges	841.92		
56099	Badger Heating & Air Conditioning	Troubleshoot compressor issue	43.75		
56101	Cityworks	Annual Software Renewal	7,000.00		
56103	CT Laboratories	Sample testing	381.00		
56104	Donna's Cleaning Service	Utility Garage - Cleaning Service	25.00		
56109	Heartland Business Systems, LLC	Monthly Managed Services	234.38		
56115	NAPA	Antifreeze	47.94		
56116	NCL of Wisconsin Inc	Lab supplies	923.47		
56117	Pace Analytical Services Inc	Sample testing	555.00		
56118	Sarah Ritter	Refund Check 034678-000, 616 MEADOW ST	111.19		
56120	Service Motor Company	Belts	92.22		
56121	Spee Dee Delivery Service Inc.	Shipping charges	8.74		
56124	Mastercard	Tubing, flowers for funeral, conference expense, fitting & tools, supplies	1,956.20		
56126	Kristi Waits	Refund Check 000862-000, 3101 WHITING AVE APT E11	47.64		
56131	Aramark	Rug Service	158.43		
56132	CDW Government	Anywhere Cloud Service E911A	679.83		
56133	City Of Stevens Point	Workers Comp Insurance Premium	1,264.11		
56135	Graybar Electric Co	Vinyl Tape	65.80		
56136	Heartland Business Systems, LLC	Monthly Microsoft 365	225.43		
56137	Herschners Co	Refund Check 030729-002, 2800 HOOVER RD	3,993.60		
56140	William Opiola	Refund Check 008260-000, 3296 CHURCH ST STE A	35.35		
56143	Summit Companies	Annual Fire Extinguisher Inspection	988.45		
56144	USA Blue Book	Release valve	192.48		
	WI Environment Improvement Fund	Loan Payment			
	Shared Operating Costs	Sewer Portion	41,208.15		
	Verizon Charges	Verizon Charges	263.48		
	Inventory	Inventory used	4,162.46		
	WPS Utility Charges	Gas & Electric	10,195.08		
	HRA	Admin Fees	69.92		
	Sewer Payroll	Payroll	43,435.35		
	Payroll Taxes	Payroll Taxes	3,120.26		
	TOTAL OF EXPENSES LISTED		\$ 139,312.66	\$	139,312.66
	BALANCE ON HAND NOVEMBER 30, 2021			\$	6,592,376.91
		Balance on Hand		\$	6,592,376.91
		Plus uncleared checks		\$	4,652.91

Less checks previously written clearing this month	\$ (116,091.04)
Ending Cash Balance matching Bank Statements	\$ 6,480,938.78

<u>Less Restricted Balance</u>	\$ (4,692,946.95)
TOTAL	\$ 1,787,991.83

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

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

STORM WATER/FIBER DEPARTMENT

FINANCES:

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

\$	418,605.66
\$	77,556.61
\$	496,162.27

CHECKS ISSUED NOVEMBER 2021:

56067	Blackburn Mfg Co	Locate flags	106.86		
56076	Franks Hardware Co Inc	Tools & supplies	145.67		
56077	Gary's Service Center	Snow plow parts	94.85		
56080	Mid-State Truck Service Inc	Vac truck #30 repairs	4,578.20		
56091	Warning Lites of Appleton Inc.	Barricade rental for storm inlet repairs Hwy10E	1,367.75		
56094	Zarnoth Brush Works, Inc.	Wafer Broom Refill	213.45		
56099	Badger Heating & Air Conditioning	Troubleshoot compressor issue	43.75		
56101	Cityworks	Annual Software Renewal	7,000.00		
56104	Donna's Cleaning Service	Utility Garage - Cleaning Service	25.00		
56109	Heartland Business Systems, LLC	Monthly Managed Services	234.38		
56114	Multimedia Communications & Engineering Inc.	Engineering for Fiber Optic - Transit Connection	14,095.16		
56118	Sarah Ritter	Refund Check 034678-000, 616 MEADOW ST	17.58		
56124	Mastercard	Fitting & tools	21.99		
56132	CDW Government	Anywhere Cloud Service E911A	679.84		
56133	City Of Stevens Point	Workers Comp Insurance Premium	1,045.53		
56136	Heartland Business Systems, LLC	Managed Services	225.41		
56142	Schierl Inc	Replacement tires for storm trailer	160.00		
	Inventory	Inventory Used	12,343.43		
	Shared Operating Costs	Storm Portion	23,556.95		
	Verizon	Ipad & cell phone charges	401.76		
	Payroll	Payroll	21,912.49		
	IRS	Payroll Taxes	1,975.27		
	WPS	Monthly Utility Charges	143.68		
TOTAL OF EXPENSES LISTED			\$ 90,389.00	\$ 90,389.00	
BALANCE ON HAND NOVEMBER 30, 2021				\$ 405,773.27	

Balance on Hand	\$ 405,773.27
Plus checks written after the end of this month	
Plus uncleared checks	\$ 2,067.62
Less checks previously written clearing this month	\$ (65,860.47)
Ending Cash Balance matching Bank Statements	\$ 341,980.42

**STEVENS POINT, WISCONSIN
WATERWORKS REPORT
FOR NOVEMBER 2021
CURRENT YEAR VS. PREVIOUS YEAR**

	2020	2021	INCREASE	DECREASE	RECORD HIGH	DATE	
Total pumpage, gallons	151,193,000	169,636,000	18,443,000		201,219,000	Nov-03	
Daily pumping average, in gallons	5,040,000	5,654,530	614,530				
Peak pumpage, gallons, (date)	7,066,000 (2ND)	7,915,000 (19TH)	849,000		8,141,000	11/23/1997	
Low pumpage, gallons, (date)	4,018,000 (21ST)	3,502,000 (10TH)		516,000	1,575,000 2,693,000	11/20/79 11/30/2012	◀Record low since 1995 when the utility started providing water to Stora Enso.
Power bill	\$15,417.56	\$15,810.78	\$393.22				
K.W.H's used	208,668	196,030		12,638			
Gallons pumped per K.W.H.	725	865	140				

STEVENS POINT WATER DEPARTMENT CONSUMPTION HISTORY

(Pumpage x 1,000)

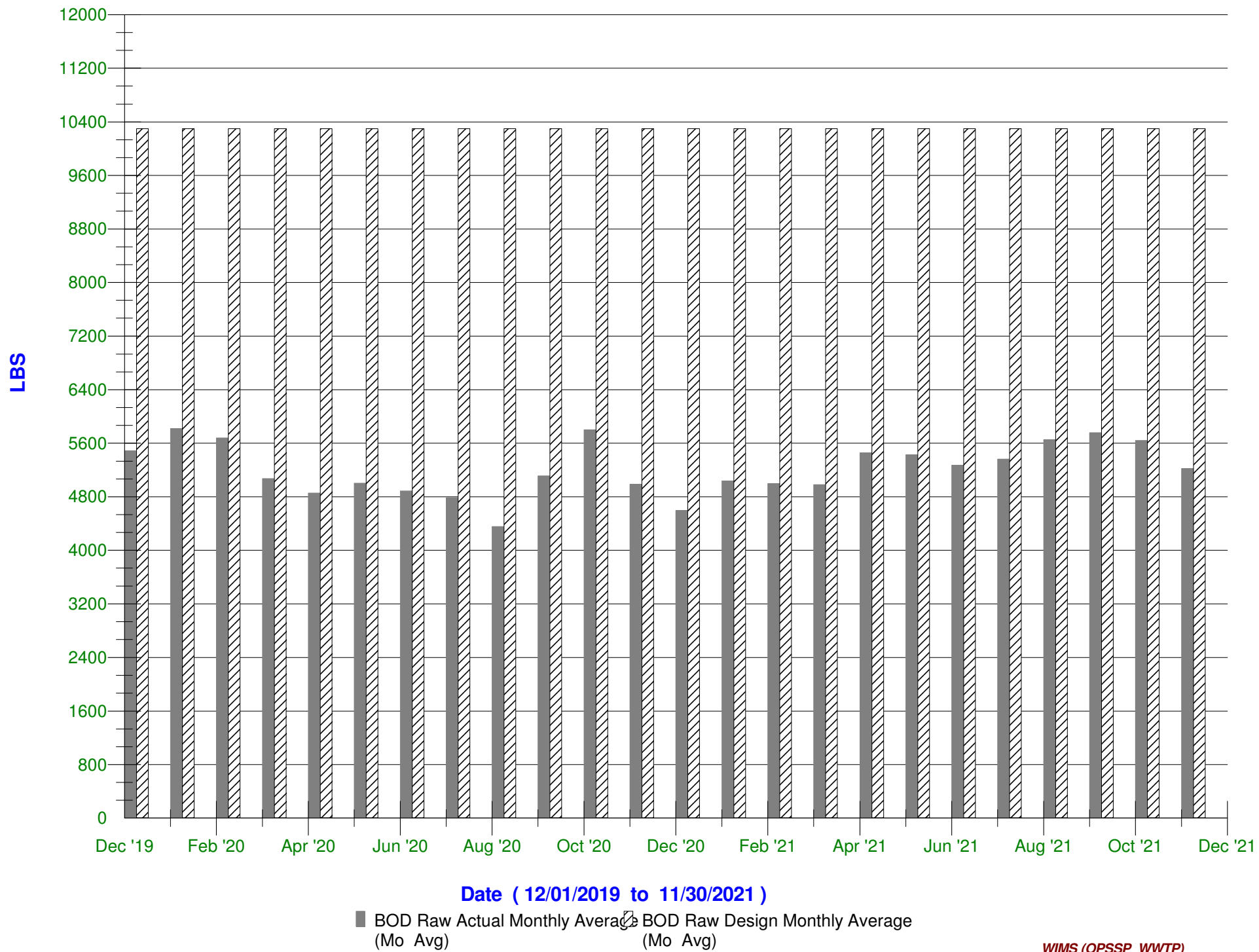
MONTH	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
JANUARY	138,644	150,622	142,263	147,206	140,438	131,056	135,295	140,095	130,487	145,393
FEBRUARY	135,391	131,127	135,573	132,869	123,311	124,330	132,142	134,021	131,003	146,311
MARCH	150,690	138,327	154,358	148,770	139,881	131,189	146,717	147,561	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

Final Effluent Discharge Data

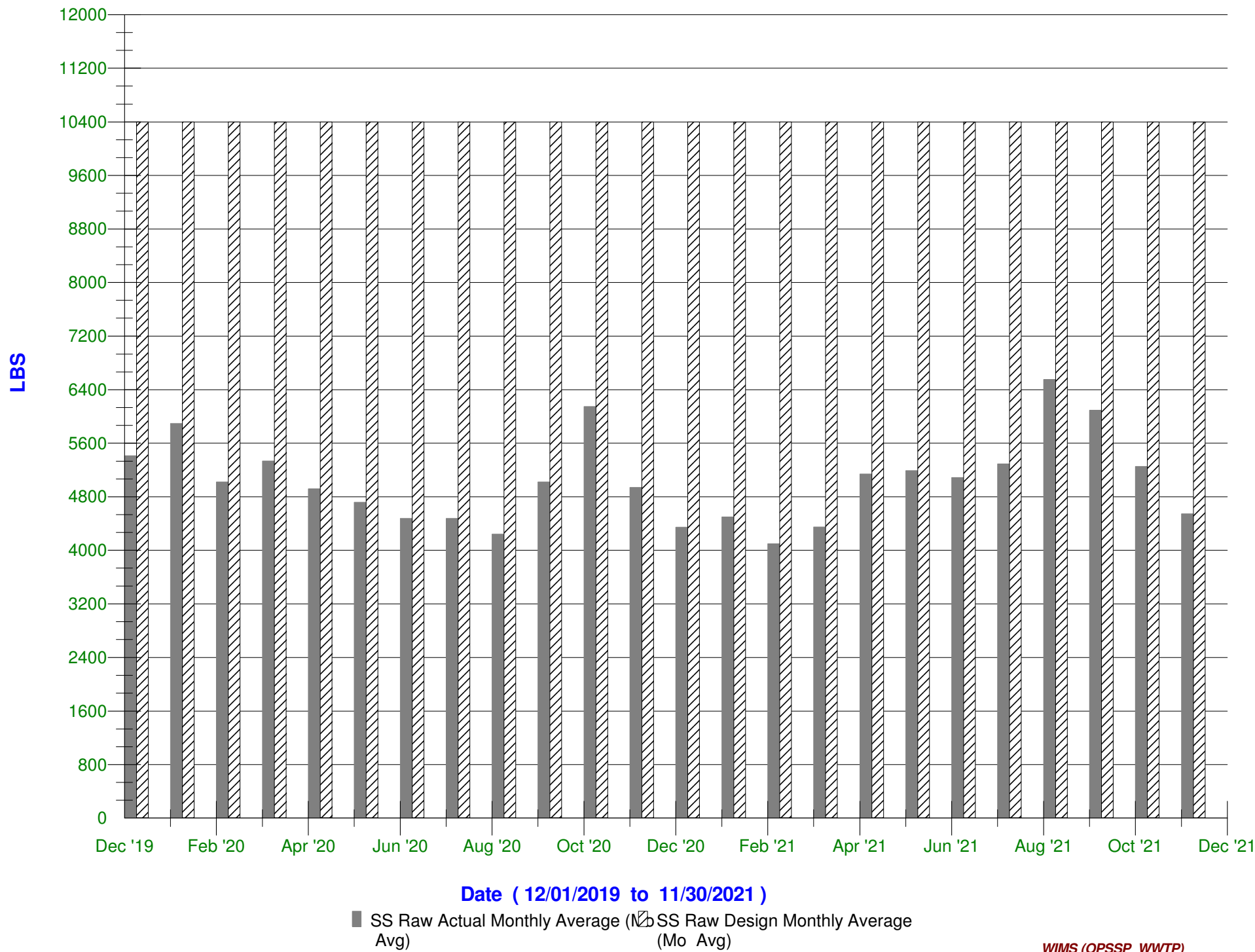
November 2021

		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	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
11/01/2021	0.00	2.177	2.580	325	3.78	99	5,901	81	324	3.43	99	5,882.60	74	6.400	0.280	116	6		55
11/02/2021	0.00	2.131	2.540	375	3.57	99	6,665	76	260	3.92	98	4,620.86	83						
11/03/2021	0.00	2.109	2.514	377	3.71	99	6,631	78	348	3.88	99	6,120.99	81	7.680	0.280	135	6		50
11/04/2021	0.00	2.099	2.492	303	3.11	99	5,304	65	272	3.43	99	4,761.54	71						
11/05/2021	0.00	2.090	2.475	362	5.77	98	6,310	119	336	6.20	98	5,856.68	128						
11/06/2021	0.00	1.999	2.073	279	3.62	99	4,651	63	296	3.80	99	4,934.81	66	5.840	0.250	97	4		31
11/07/2021	0.00	2.105	2.188	257	3.29	99	4,512	60	228	3.37	99	4,002.70	61						
11/08/2021	0.00	0.073	0.078	348	4.51	99	212	3	292	4.00	99	177.78	3						
11/09/2021	0.00	2.053	2.354	340	3.53	99	5,821	69	288	3.60	99	4,931.14	71						
11/10/2021	0.00	2.106	2.507	393	3.57	99	6,903	75	372	4.30	99	6,533.82	90	5.760	0.310	101	6		41
11/11/2021	0.26	2.207	2.608	564	3.31	99	10,381	72	324	3.80	99	5,963.67	83	5.370	0.290	99	6		43
11/12/2021	0.45	2.062	2.454	293	3.04	99	5,039	62	192	3.40	98	3,301.84	70						
11/13/2021	0.03	1.972	2.354	231	3.18	99	3,799	62	240	3.64	98	3,947.16	71	4.760	0.300	78	6		50
11/14/2021	0.25	1.988	2.387	341	3.85	99	5,654	77	220	3.80	98	3,647.58	76						
11/15/2021	0.00	2.080	2.483	353	3.47	99	6,124	72	464	3.92	99	8,049.10	81						
11/16/2021	0.00	2.098	2.484	372	3.78	99	6,509	78	276	3.33	99	4,829.26	69	6.240	0.290	109	6		
11/17/2021	0.00	2.158	2.536	346	3.45	99	6,227	73	316	4.12	99	5,687.28	87						
11/18/2021	0.00	0.763	0.930	494	2.90	99	3,144	22	420	2.89	99	2,672.64	22						
11/19/2021	0.00	2.061	2.163	310	2.86	99	5,329	52	244	3.40	99	4,194.05	61	7.080	0.230	122	4		
11/20/2021	0.00	1.884	1.981	268	2.08	99	4,211	34	216	2.87	99	3,393.91	47	5.800	0.210	91	3		
11/21/2021	0.00	1.938	2.027	292	2.51	99	4,720	42	196	2.60	99	3,167.93	44						
11/22/2021	0.00	1.999	2.074	350	2.40	99	5,835	42	440	2.00	100	7,335.53	35	6.680	0.230	111	4		25
11/23/2021	0.00	1.976	2.052	264	2.45	99	4,351	42	248	2.20	99	4,087.00	38						
11/24/2021	0.00	1.988	2.078	274	2.52	99	4,543	44	200	2.20	99	3,315.98	38	4.830	0.240	80	4		27
11/25/2021	0.03	1.721	1.789	238	2.62	99	3,416	39	192	2.90	98	2,755.80	43	5.480	0.230	79	3		
11/26/2021	0.00	1.740	1.796	168	3.07	98	2,438	46	188	2.20	99	2,728.18	33						26
11/27/2021	0.00	1.777	1.854	237	2.88	99	3,512	45	180	2.00	99	2,667.63	31						
11/28/2021	0.05	1.886	1.962	323	16.85	95	5,081	276	332	3.84	99	5,222.11	63						
11/29/2021	0.00	2.035	2.104	409	3.69	99	6,942	65	344	3.06	99	5,838.33	54						
11/30/2021	0.00	2.085	2.413	374	4.07	99	6,503	82	328	3.64	99	5,703.56	73						
											100								
Total	1.07	57.360	64.330	9,860	113	2,964	156,666	2,014	8,576	101.74	3,063	136,331.48	1,847	71.920	3.140	1,219.058	60.092		348.500
Average	0.04	1.912	2.144	329	4	99	5,222	67	286	3.39	99	4,544.38	62	5.993	0.262	101.500	4.833		38.667
Maximum	0.45	2.21	2.61	564.00	16.85	99.41	10,381.20	275.72	464.00	6.20	100.00	8,049.10	127.98	7.68	0.31	135.08	6.48		55.20
Minimum	0.00	0.07	0.08	168.00	2.08	94.78	211.87	2.93	180.00	2.00	98.15	177.78	2.60	4.76	0.21	78.29	3.43		24.80

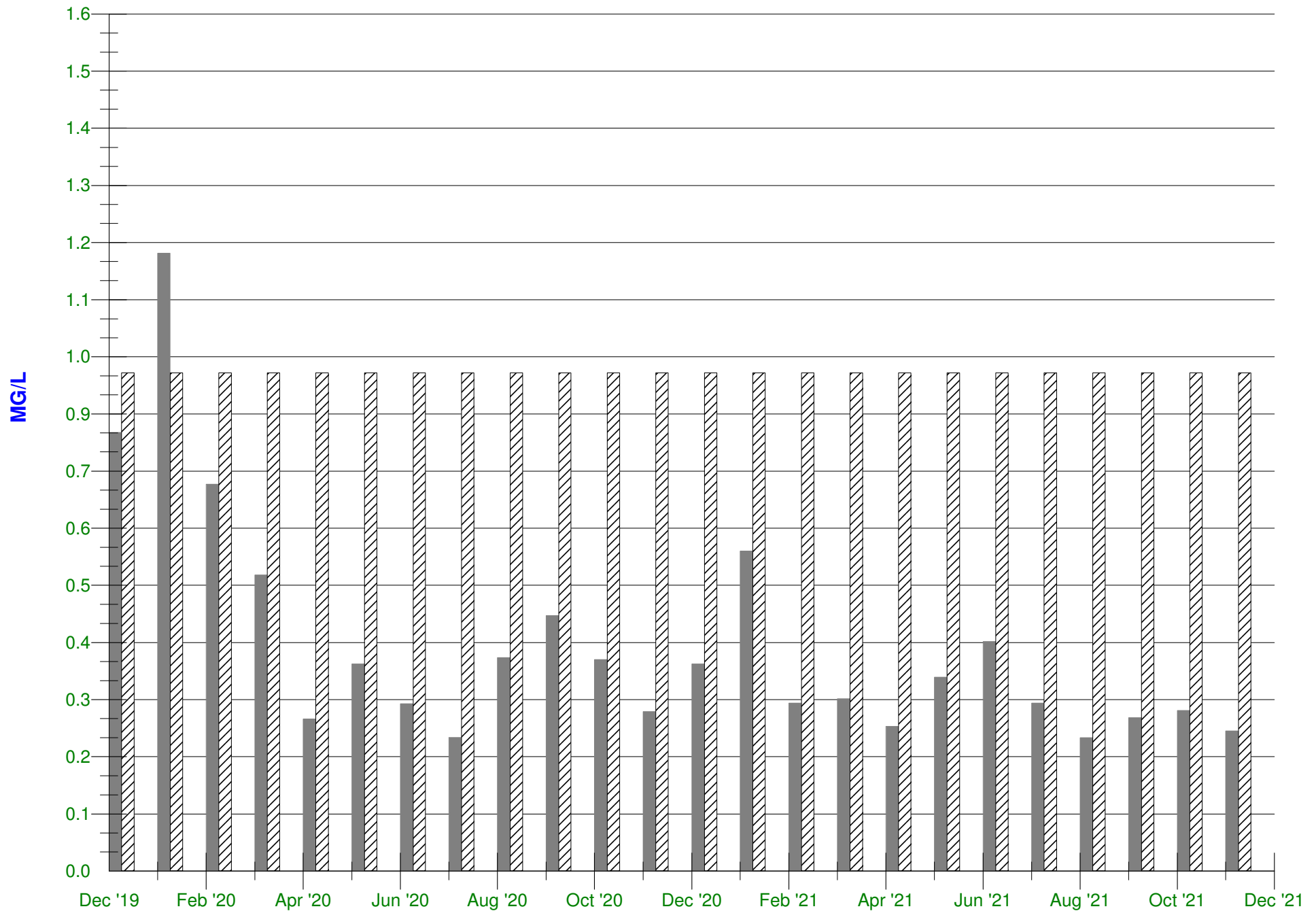
BOD Raw 2 Year History



SS Raw 2 Year History



Phosphorus mg/l 2 Year History



Date (12/01/2019 to 11/30/2021)

■ 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	%			
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	
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	1.912	2.144	5.993	102	0.262	5	329	5,241	3.78	67.62	99	286	4,558	3.39	60.65	99	3,973	5,173	
Minimum	22	1	0.41	1.868	1.942	4.248	79	0.249	5	255	4,569	2.91	62.24	98	258	4,098	3.39	60.65	97	2,613	4,499	
Maximum	81	61	10.28	2.748	3.023	6.373	126	0.598	10	329	5,836	4.72	107.90	99	298	6,699	7.07	133.97	99	7,171	5,736	
Total	671	436	35.54	26.002	28.771	63.265	1,129	4.089	80	3,548	63,542	47.08	941.11	1,184	3,357	60,721	56.09	1,099.15	1,178	59,707	62,601	
Average	56	36	2.96	2.167	2.398	5.272	94	0.341	7	296	5,295	3.92	78.43	99	280	5,060	4.67	91.59	98	4,976	5,217	

SEWER REPORT FOR THE MONTH OF NOVEMBER 2021

2021	
39,073	feet of sanitary sewer flushed
711	feet of sanitary sewer cut
-	feet of storm sewer cut
-	feet of storm sewer jetted
1,435	feet of sanitary sewer jetted
204	feet of sewer main televised
-	feet of storm main televised

v.s.

2020	
36,332	feet of sanitary sewer flushed
727	feet of sanitary sewer cut
-	feet of storm sewer cut
1,460	feet of storm sewer jetted
1,097	feet of sanitary sewer jetted
2,608	feet of sewer main televised
-	feet of storm main televised

e) Groundwater Protection Overlay District

1.0 Purpose and Authority

Purpose. The residents of Stevens Point and Portage County, whether served by private wells or municipal supplies, depend exclusively on groundwater for a safe drinking water supply. Certain land use practices and activities can seriously threaten or degrade groundwater quality. The purpose of this Wellhead Protection Ordinance is to institute land use regulations and restrictions to protect the municipal water supplies of the Villages of Amherst, Junction City, Plover and Whiting, and the City of Stevens Point, and to promote the public health, safety and general welfare of the residents of Portage County.

Authority. Statutory authority of the City to enact these regulations was established by the Wisconsin Legislature in 1983, Wisconsin Act 410 (effective May 11, 1984), which specifically added groundwater protection to the statutory authorization for municipal planning and zoning to protect public health, safety and welfare.

1.1 Application of Regulations

The regulations specified in this Groundwater Protection Ordinance shall apply to the incorporated and unincorporated areas of the City of Stevens Point and Portage County that lie within the recharge areas for municipal water supply wells as a Groundwater Protection Overlay District and are in addition to the requirements in the underlying zoning district. If there is a conflict between this Ordinance and the Zoning Ordinance, the more restrictive provision shall apply.

The Groundwater Protection Overlay District is divided into three districts: District A, District B, and District C. All district boundaries are intended to end or begin at road centerlines, railways, surface water features, or tax parcel lines. The boundaries of the districts are shown upon maps of the City of Stevens Point, being designated as the "Groundwater Protection Districts for Municipal Recharge Areas in and around Stevens Point" as adopted or amended by the Common Council.

1.2 Definitions

1. **Animal Confinement Facilities** - Locations of confinement of livestock at a density exceeding three animal units per acre.
2. **Animal Units** - A unit of measure used to determine the total number of single animal types or combination of animal types, as specified in s. NR 243.11, that are at an animal feeding operation.
3. **Aquifer** - A saturated, permeable geologic formation that contains and will yield significant quantities of water.
4. **Cone of Depression** - The area around a municipal well, in which the water level has been lowered at least one tenth of a foot by pumping the well.
5. **Farm Plan** – A written document which details the conduct and management of agricultural activities on a farm utilizing best management practices and applicable Federal, State, and local standards based on the potential contamination of groundwater. A farm plan must be approved by the Land and Water Conservation section of the Planning and Zoning Department.
6. **Hazardous Chemical** – Chemicals identified as hazardous by CFR 40 Part 302
7. **Ten Year Time of Travel (TOT)** - The Ten-Year TOT is the recharge area upgradient of the cone of depression, the outer boundary of which it is determined or estimated that groundwater will take ten years to reach a pumping well.

8. Twenty Year Time of Travel (TOT) - The Twenty-Year TOT is the recharge area upgradient of the cone of depression, the outer boundary of which it is determined or estimated that groundwater will take twenty years to reach a pumping well.
9. POWTS - Private On-Site Wastewater Treatment System or POWTS, has the meaning given under s. 145.01(12), Wis. Stats.
10. Toxic - When ingested or absorbed, is harmful or fatal to living organisms.
11. Recharge Area - Area in which water reaches the zone of saturation by surface infiltration and encompasses all areas or features that supply groundwater recharge to a well.
12. Wellfield - A piece of land used primarily for the purpose of locating wells to supply a municipal water system.

2.0 Groundwater Protection Overlay District A

2.1 Intent

District A of the groundwater protection overlay district is the area of land within the cone of depression as shown on the groundwater protection overlay district maps. These lands are subject to the most stringent land use and development restrictions because of close proximity to the wells and therefore greatest threat of contamination.

2.2 Permitted Uses

The following uses are permitted uses within Groundwater Protection Overlay District A, provided that such uses are subject to minimum separation distances of chapter NR 811.12(5)(d) Wisconsin Administrative Code. Uses not listed here are considered prohibited uses unless a determination of similarity to a permitted or special exception use (based on potential for groundwater contamination) is made by the Planning Commission and/or Common Council.

- (1) Parks and playgrounds, provided there are no POWTS dispersal components or fuel storage tank facilities
- (2) Wildlife areas, natural and woodland areas
- (3) Nonmotorized trails, such as biking, skiing, nature and fitness trails
- (4) Sewered residential developments
- (5) Unsewered (single family) residential development only on existing lots of record on the effective date of this Ordinance.
- (6) Agricultural activities, except those listed as prohibited.
- (7) Above ground liquid propane tanks, 1000 gallons or less, accessory to a permitted or special exception use

2.3 Conditional Uses

The following uses may be allowed as special exceptions within Groundwater Protection Overlay District A, provided that such uses are subject to minimum separation distances of chapter NR 811.12(5)(d) Wisconsin Administrative Code.

- (1) Commercial uses served by municipal sanitary sewer except those listed as prohibited.

2.4 Prohibited Uses

The following uses are prohibited uses within the Groundwater Protection Overlay District A. These uses are prohibited based on the high probability that the activities routinely associated with these uses (storage, use, and handling of potential pollutants) will cause groundwater contamination.

- (1) Above or below ground hydrocarbon, petroleum, or hazardous chemical bulk storage tanks

- (2) Animal confinement facilities
- (3) Any manufacturing or industrial use
- (4) Any commercial use where hazardous chemicals are an integral part of such use including but not limited to:
 - a. Bulk fertilizer and/or pesticide facilities
 - b. Dry cleaning businesses
 - c. Electroplating facilities
 - d. Exterminating businesses
 - e. Gas stations
 - f. Paint and coating manufacturing
 - g. Printing and duplicating businesses
 - h. Radioactive or toxic materials storage and waste facilities
- (5) Asphalt and concrete products manufacturing
- (6) Automobile, truck, agricultural implement and equipment, municipal, small engine and other vehicle repair of a commercial nature
- (7) Bus or truck terminals
- (8) Cemeteries
- (9) Junk yards or auto salvage yards
- (10) Landfills or waste disposal facilities
- (11) Nonmetallic mining
- (12) Manure and animal waste storage facilities
- (13) Recycling facilities
- (14) Salt or deicing material storage
- (15) Septage and/or sewage sludge spreading
- (16) Slaughterhouses
- (17) Spray wastewater facilities
- (18) Wastewater treatment or disposal facilities that are commercial, industrial, or municipal

2.5 Groundwater Protection Overlay District B

2.6 Intent

District B of the groundwater protection overlay district is the area of land which contributes water to the municipal well starting at the line which delineates the cone of depression and ends at the line delineating the ten-year time of travel. Land use regulations within Groundwater Protection Overlay District B are less restrictive than in Overlay District A because of longer flow times and a greater potential for remediation, dilution and attenuation. Agricultural Best Management Practices (BMP) minimizing use of pesticides and fertilizers are strongly encouraged.

2.7 Permitted Uses

The following uses are permitted within Groundwater Protection Overlay District B, provided that such uses are subject to minimum separation distances of chapter NR 811.12(5)(d) Wisconsin Administrative Code. Uses not listed here are considered prohibited uses unless a determination of similarity to a permitted or special exception use (based on potential for groundwater contamination) is made by the Planning Commission and Common Council.

- (1) All uses listed as permitted uses in Groundwater Protection Overlay District A
- (2) Commercial, manufacturing and/or industrial uses served by municipal sanitary sewer, except those listed as prohibited uses
- (3) Unsewered (single family) residential uses, subject to the conditions in Section 2.8

2.8 Design Standards

The following standards and requirements shall apply to all uses permitted within Groundwater Protection Overlay District B.

- (1) Minimum lot size for unsewered uses shall be two acres. Lot sizes less than 2 acres may be allowed for any one of the following:
 - a) Existing lots of record on the effective date of this Ordinance
 - b) Developments which will be served by municipal sewer within five years of the approval of the development
 - c) Developments utilizing the "Open Space Design Option" of the "Portage County Subdivision Ordinance"

The number of units allowed shall be based on a net density calculation using a conventional subdivision design as a two acre subdivision but provided that an overall density of one unit per two acres is not exceeded.

- (2) Nitrogen applications on manicured lawn or grass may not exceed rates described in UW Extension publication A2303.
- (3) Natural vegetative covers, not requiring the use of pesticides or fertilizers after initial establishment are encouraged as an alternative to manicured lawn or grass.
- (4) All petroleum product storage tanks shall provide leak proof containment not less than 125% of the tank volume, except basement heating fuel storage tanks.
- (5) All storm drainage from commercial and industrial sites shall be retained on site or discharged to a municipally operated storm drain. If retained on site, storm water shall be discharged to settling ponds where it will percolate through at least six inches of topsoil with vegetation. Use of drywells or other subsurface drains for storm water drainage is prohibited.
- (6) Pesticide and fertilizer storage is permitted at the location of retail sales of these products, provided that the products are delivered in retail quantity containers and no repackaging and/or mixing is done on site.
- (7) Pesticide and fertilizer storage is permitted for on farm use by the owner or farm operator.
- (8) Bulk liquid pesticide/fertilizer storage containers exceeding 55 gallons are permitted providing the containers are located within a leak proof containment area not less than 125% of the volume of the largest container. ICC approved transport containers do not require containment.
- (9) Salt storage must conform to standards in Chapter Trans. 277, Wisconsin Administrative Code.
- (10) Fertilizer and animal waste shall not be applied at rates which exceed the nutrient requirements of the crops grown on the applicant site as listed in the University of Wisconsin Extension publication A2809, Nutrient Application Guidelines for Field, Vegetable, and Fruit Crops in Wisconsin.
- (11) Conduct and management of agricultural activities shall be subject to a farm plan (based on the potential for groundwater contamination) utilizing best management practices and applicable federal, state, and local standards to be approved by the Land and Water Conservation section.

2.9 Conditional Uses

The following uses may be allowed as special exceptions within Groundwater Protection Overlay District B, provided that such uses are subject to minimum separation distances of chapter NR 811.12(5)(d) Wisconsin Administrative Code.

- (1) Fertilizer storage and use associated with retail sales outlets
- (2) Cemeteries
- (3) Salt and deicing storage, including sand/salt combinations
- (4) Recycling facilities

- (5) Bus or Truck Terminals
- (6) Commercial uses which do not require municipal sanitary sewer or POWTS including, but not limited to, mini warehousing.
- (7) Gas Stations

3.0 Prohibited Uses

The following uses are prohibited uses within Groundwater Protection Overlay District B except as provided in Sections 2.7 or 2.9. These uses are prohibited based on the high probability that activities routinely associated with these uses (storage, use, and handling of potential pollutants) will cause groundwater contamination.

- (1) Any unsewered commercial, manufacturing and/or industrial use
- (2) Any commercial, manufacturing, or industrial use where hazardous chemicals are an integral part of such use including but not limited to:
 - a. Bulk fertilizer and/or pesticide facilities
 - b. Dry cleaning businesses
 - c. Electroplating facilities
 - d. Exterminating businesses
 - e. Paint and coating manufacturing
 - f. Printing and duplicating businesses
 - g. Radioactive or toxic materials storage and waste facilities
- (3) Asphalt and concrete products manufacturing
- (4) Automobile, truck, agricultural implement and equipment, municipal, small engine and other vehicle repair of a commercial nature
- (5) Junk yards or auto salvage yards
- (6) Landfills or waste disposal facilities
- (7) Nonmetallic mining
- (8) Septage and/or sewage sludge spreading
- (9) Slaughterhouses
- (10) Animal confinement facilities
- (11) Spray wastewater facilities
- (12) Wastewater treatment or disposal facilities that are commercial, industrial, or municipal

3.1 Groundwater Protection Overlay District C

3.2 Intent

District C of the groundwater protection overlay district is the area of land which contributes water to the municipal well starting at the line which delineates the ten-year time of travel and ends at the line delineating the twenty-year time of travel. Management measures in this District are the least restrictive of the recharge districts. Agricultural Best Management Practices (BMP) minimizing use of pesticides and fertilizers are strongly encouraged.

3.3 Permitted Uses

The following uses are permitted within Groundwater Protection Overlay District C, provided that such uses are subject to minimum separation distances of chapter NR 811.12(5)(d) Wisconsin Administrative Code. Uses not listed here or in Section 3.4 are considered prohibited uses unless a determination of similarity to a permitted or special exception use (based on potential for groundwater contamination) is made by the Plan Commission and Common Council.

- (1) All uses permitted in Groundwater Protection Overlay Districts A and B.
- (2) Salt and deicing storage, including sand salt combinations.
- (3) Aboveground hydrocarbon and petroleum product storage tanks accessory to a permitted use or special exception use.
- (4) Unsewered residential uses, subject to the conditions in Section 2.8.

3.4 Conditional Uses

The following uses may be allowed as special exceptions within Groundwater Protection Overlay District C, provided that such uses are subject to minimum separation distances of chapter NR 811.12(5)(d) Wisconsin Administrative Code.

- (1) Below ground hydrocarbon, petroleum, or hazardous chemical bulk storage tank
- (2) Animal confinement facilities
- (3) Any unsewered commercial, manufacturing and/or industrial use
- (4) Any commercial, manufacturing, or industrial use where hazardous chemicals are an integral part of such use including but not limited to:
 - a. Bulk fertilizer and/or pesticide facilities
 - b. Dry cleaning businesses
 - c. Electroplating facilities
 - d. Exterminating businesses
 - e. Gas stations
 - f. Paint and coating manufacturing
 - g. Printing and duplicating businesses
- (5) Asphalt and concrete products manufacturing
- (6) Automobile, truck, agricultural implement and equipment, municipal, small engine and other vehicle repair of a commercial nature
- (7) Bus or truck terminals
- (8) Cemeteries
- (9) Junk yards or auto salvage yards
- (10) Landfills or waste disposal facilities
- (11) Nonmetallic mining
- (12) Recycling facilities
- (13) Septage and/or sewage sludge spreading
- (14) Slaughterhouses
- (15) Spray wastewater facilities
- (16) Wastewater treatment or disposal facilities that are commercial, industrial, or municipal

3.5 Design and Performance Standards

The following standards and requirements shall apply to all uses permitted within Groundwater Protection Overlay District C.

- (1) Pesticide and fertilizer storage is permitted at the location of retail sales of these products, provided that the products are delivered in retail quantity containers and no repackaging and/or mixing is done on site.
- (2) Bulk liquid pesticide/fertilizer storage containers exceeding 55 gallons are permitted providing the containers are located within a leak proof containment area not less than 125% of the volume of the largest container. ICC approved transport containers do not require containment.
- (3) All storm drainage from commercial and industrial sites shall be retained on site or discharged to a municipally operated storm drain. If retained on site, storm water shall be discharged to settling ponds

where it will percolate through at least six inches of topsoil with vegetation. Use of drywells or other subsurface drains for stormwater drainage is prohibited.

- (4) Hazardous/toxic materials storage and use. Site plan review required, including description of all materials, operational practices to prevent groundwater contamination, contingency plan for accidental discharges, and a proposed disposal plan for anticipated wastes.
- (5) Salt storage must conform to standards in Chapter Trans. 277, Wisconsin Administrative Code.
- (6) Minimum lot size for unsewered lots shall be two acres, except as provided in 7.2.5.3(1).
- (7) Fertilizer, animal waste, septage, and sewage sludge shall not be applied at rates which exceed the nutrient requirements of the crops grown on the application site as listed in the University of Wisconsin Extension publication A2809, Nutrient Application Guidelines for Field, Vegetable, and Fruit Crops in Wisconsin.
- (8) Pesticide and fertilizer storage is permitted for on-farm use by the owner or operator.
- (9) Conduct and management of agricultural activities shall be subject to a farm plan (based on the potential for groundwater contamination) utilizing best management practices and applicable federal, state, and local standards to be approved by the Land and Water Conservation section.

3.6 Prohibited Uses

The following uses are prohibited in this district:

- (1) Hazardous/toxic waste facilities
- (2) Radioactive waste facilities

Groundwater Protection Districts for Municipal Recharge Area in and around Stevens Point

