CITY OF MAYVILLE

WATER UTILITY

&

WASTEWATER UTILITY

JANUARY 9, 2024

WATER & WASTEWATER COMMISSION
REGULAR MEETING AGENDA
Tuesday, January 9, 2024- 4:00 PM
- Note Date Change Due to Holiday

City Hall

AGENDA
(A Quorum of Council Members May be Present)

A. Call to Order and Roll Call
B. Citizens Comments
Citizen Comments are to be kept to a maximum of five minutes per speaker unless the chairperson allows an extension of time. Each citizen is to make comments at the podium after stating name and address. Each citizen may comment only one time per public hearing / meeting.
C. Approve Consent Agenda.
    a. Minutes of December 5, 2023 Commission Meeting
    b. Water Utility Bills
    c. Wastewater Utility Bills
D. Discussion and possible action regarding leak credit discussed in 11/7/2023 citizens by Curt Schmidt of 1440 Horicon Street.
E. Discussion and possible action regarding agreement with Town & Country Engineering for services related to upgrades and rehabilitation of well houses 2,3 and 5.
F. Water Report.
    a. Well & Distribution System Report/Discussion
G. Wastewater Report.
    a. Sewer System Report/Discussion
H. Discussion and possible action regarding Wisconsin Pollutant Discharge Elimination System five year permit renewal application and supporting documentation.
I. Convene into Closed Session Pursuant to Wis. Stat. Section 19.85 (1) (e), deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session.
    a. Discussion regarding contractual negotiations for land use agreements pertaining to future treatment plant accessibility needs north of the wastewater treatment facilities.
    b. Reconvene Into Open Session with Possible Action.
J. Convene into Closed Session Pursuant to Section 19.85 (1) (c), considering employment, promotion, compensation, or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility.
    a. Discussion regarding annual employee reviews.
    b. Reconvene Into Open Session with Possible Action.

NOTE: Persons with disabilities requiring special accommodations for attendance at the meeting should contact City Hall at least one (1) business day prior to the meeting This agenda was posted and made available to the news media in compliance with the open meeting law.

K. Adjournment.

Next scheduled meeting is February 6, 2024; 4:00 PM at Mayville City Hall.

Burt Bushke
Commission President

NOTE: Persons with disabilities requiring special accommodations for attendance at the meeting should contact City Hall at least one (1) business day prior to the meeting This agenda was posted and made available to the news media in compliance with the open meeting law.

WATER/WASTEWATER MINUTES **DECEMEBER 5, 2023**

The meeting was called to order at 4:00 p.m. by Commissioner Bushke with the following roll call:
Members Present: Commissioners Engel, Pasbrig, Lodahl, Frings and Bushke
Members Absent: Alderperson Neumann
Others Present: Courtney Steger, Nichole DeBaker

CITIZIN COMMENTS

James Orr of Orr Inspection spoke regarding tower painting inspection services.

CONSENT AGENDA

Motion by Commissioner Lodahl second by Commissioner Frings to approve the consent agendas for November 7, 2023. Motion passed 5-0.

DISCUSSION AND POSSIBLE ACTION REGARDING LEAK CREDIT DICUSSED IN 11/7/2023 CITIZENS BY CURT SCHMIDT OF 1440 HORICON ST.

Discussion held regarding leak credit. Leak has not been fixed. Will bring in Leak detector to see if leak can be found.

Motion by Commissioner Pasbrig, second by Commissioner Frings to table until further information. Motion passed 5-0.

DISCUSSION AND POSSBLE ACTION REGARDING IMPLEMENTATION OF CHLORIDE REDUCTION PROGRAM IN PARTERNSHIP WITH CULLIGAN WATER.

Discussion held regarding the implementation of chloride reduction program in partnership with Culligan Water.

Motion by Commissioner Engel, second by Commissioner Lodahl to approve the Chloride Reduction Program partnership with Culligan Water for $250. Motion passed 5-0.

DISCUSSION AND POSSBLE ACTION REGARDING EASEMENT AGREEMENTS FOR ALLEY STREET WATER SYSTEM LOOP FOR PARCELS 251-1216-1443-061 AND 251-1261-1443-060.

Discussion held regarding easement agreements for Alley St.

Motion by Commissioner Engel, second by Commissioner Lodahl to approve easement agreements parcels 251-1216-1443-061 and 251-1261-1443-060. Motion passed 5-0.

DISCUSSION AND POSSBLE ACTION REGARDING PLANNED MAINTENANCE AGREEMENT WITH TOTAL ENERGY SYSTEMS, LLC FOR GENERATOR MAINTENANCE.

Discussion held regarding the maintenance agreement with Total Energy Systems.

Motion by Commissioner Engel, second by Commissioner Pasbrig to approve planned maintenance agreement with Total Energy Systems, LLC. Motion passed 5-0.

DISCUSSION AND POSSBLE ACTION REGARDING CONTRACTOR RECOMMENDATION FOR CLARK STREET WATER TOWER PAINTING.

Discussion held regarding contractor recommendation for Clark St water tower painting.

Motion by Commissioner Engel, second by Commissioner Lodahl to approve Lane Tank Company Inc. for $350,000. Motion passed 5-0.

DISCUSSION AND POSSBLE ACTION REGARDING CHANGE OF DATE FOR JANUARY 2024 MEETING.

Discussion held regarding changing time date for January 2024 Meeting from January 2, 2024 to January 9, 2023.

Motion passed unanimously.

WATER REPORT

- We had a leak at Old Fashioned Foods repaired on 11/30. This should cover the ongoing issues at this location for quite some time.
- We responded to a service break at MEC's Horicon Street location on 12/1. This was all repaired by 12/2.
- Well #4 has a roof, a water meter installed, and interior drywall is being done. Siding should be be started in the next 1-2 weeks as well as other additional site work.
- We've been working with Dodge County regarding radio communications at the Clark Street tower. We are working on potential arrangements for a possible partial payment on adding a corral to the Clark Street tower.

WASTEWATER REPORT

- We've had multiple HVAC issues including repairs again to the furnace and make-up air units. Our report states 1.5 units of 4 still function properly.
- We're also having issues with the overhead garage doors. The service technician was able to get a door functional but also warned certain components for these are no longer manufactured.
- This Saturday, 12/9 we host our facilities tour at 10 a.m. All are welcome to join us. Information is shared on the Mayville, WI Water & Wastewater and the city Facebook pages.

CLOSED SESSION

Convene into Closed Session Pursuant to Section 19.85 (1) (c) considering employment, promotion, compensation, or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility.

Motion by Commissioner Lodahl second by Commissioner Pasbrig to convene into closed session at 4:52pm. Motion passed unanimously

Discussion and possible action regarding vacant operator position.

Motion by Commissioner Frings second by Commissioner Lodahl to reconvene into open session at 5:02 pm. Motion passed unanimously.

Motion by Commissioner Frings second by Commissioner Lodahl to offer candidate the employee operator position. Motion passed unanimously.

No Action Taken

ADJOURNMENT

Motion by Commissioner Lodahl, second by Commissioner Frings to adjourn at 5:03 p.m. Motion passed unanimously.

Nichole DeBaker, Utility Accountant

CITY OF MAYVILLE

SUMMARY OF CASH POSITION BY FUND
AS OF NOVEMBER 30, 2023

	THIS MONTH	LAST MONTH	CHANGE
(60) WATER FUND			
TREASURER'S CHECKING	1,975,336.28	2,143,694.63	(168,358.35)
INVESTMENTS-AMERICAN 15 MO CD	.00	.00	.00
INVESTMENTS-WU CD	.00	.00	.00
INVESTMENTS-DEBT SERVICE RESER	.00	.00	.00
INVESTMENTS-DS RESERVE MSB	.00	.00	.00
INVESTMENTS-DS RESERVE MSB MM	.00	.00	.00
INVESTMENTS-STATE FUNDS #14	.00	.00	.00
INVESTMENTS-STATE FUNDS #2	.00	.00	.00
INVESTMENTS-BANKONE ASSET MGMT	.00	.00	.00
TSB-WATER UTILITY MONEY MARKET	670,460.84	667,498.25	2,962.59
INVESTMENTS-STATE FUNDS #4	.00	.00	.00
INVESTMENTS-RESERVED	.00	.00	.00
TSB-WATER REDEMPTION MONEY MAR	64,686.01	64,400.18	285.83
TSB-WATER IMPACT FEES MONEY MA	1,203.97	1,198.65	5.32
M&I WATER REDEMPTION CD	.00	.00	.00
FBB-WATER UTILITY CD	.00	.00	.00
FBB-WATER DEPRECIATION CD	.00	.00	.00
TSB-WATER DEPRECIATION MM	204,095.77	203,193.92	901.85
M&I-WATER CD	.00	.00	.00
MSB-WATER UTILITY CD	.00	.00	.00
PETTY CASH & CHANGE BOX	175.00	175.00	.00
CASH RECEIPTS CLEARING	1,250.20	1,250.20	.00
ADVANCE TO WASTEWATER UTILITY	.00	.00	.00
TOTAL (60) WATER FUND	**2,917,208.07**	**3,081,410.83**	**(164,202.76)**
(61) SEWER FUND			
TREASURER'S CHECKING	1,044,157.58	1,154,870.87	(110,713.29)
INVESTMENTS-BANKONE ASSET MGMT	.00	.00	.00
TSB-SEWER REPLACEMENT MM	1,225,673.80	1,220,257.86	5,415.94
INVESTMENTS-STATE FUNDS #10	.00	.00	.00
INVESTMENTS-STATE FUNDS #3	.00	.00	.00
TSB-SEWER RESERVE MONEY MARKET	1,160.33	1,155.20	5.13
INVESTMENTS-STATE FUNDS #5	.00	.00	.00
SEWER UTILITY RESERVE CD	.00	.00	.00
TSB-SEWER UTILITY MONEY MARKET	355,183.90	353,614.43	1,569.47
FBB-SEWER UTILITY CD	.00	.00	.00
FBB-SEWER DEPRECIATION CD	.00	.00	.00
INVESTMENTS-STATE FUNDS #9	.00	.00	.00
FBB-SEWER REDEMPTION CD	.00	.00	.00
FBB-SEWER CONNECTIONS CD	.00	.00	.00
TSB-SEWER DEPRECIATON MM	.00	.00	.00
TSB-SEWER REDEMPTION MONEY MM	66,878.63	66,583.11	295.52
TSB-SEWER CONNECTIONS MM	174,861.60	174,088.93	772.67
PETTY CASH & CHANGE BOX	175.00	175.00	.00
TOTAL (61) SEWER FUND	**2,868,090.84**	**2,970,745.40**	**(102,654.56)**
TOTAL CASH - ALL FUNDS	**5,785,298.91**	**6,052,156.23**	**(266,857.32)**

CITY OF MAYVILLE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(60) WATER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	PUBLIC CHARGES FOR SERVICES					
60-46450-64-000-415	INCOME FROM JOBBING	.00	640.03	780.00	139.97	82.1
60-46450-65-001-470	FORFEITURES & PENALITIES	2,665.73	7,606.15	4,738.00	(2,868.15)	160.5
60-46450-65-011-461	RESIDENTIAL - METERED	95.59	380,172.63	463,765.00	83,592.37	82.0
60-46450-65-012-461	COMMERCIAL - METERED	.00	64,531.14	75,581.00	11,049.86	85.4
60-46450-65-013-461	INDUSTRIAL - METERED	.00	283,393.36	211,216.00	(72,177.36)	134.2
60-46450-65-014-462	FIRE PROTECTION - PRIVATE	.00	29,549.90	35,376.00	5,826.10	83.5
60-46450-65-015-461	RESIDENTIAL MULTIFAM - METERED	.00	37,297.38	42,333.00	5,035.62	88.1
60-46450-65-015-463	FIRE PROTECTION - PUBLIC	32.35	307,765.54	355,374.00	47,608.46	86.6
60-46450-65-016-464	PUBLIC AUTHORITY - METERED	.00	14,029.26	15,268.00	1,238.74	91.9
60-46450-65-017-474	METER TURN-ON CHARGE	.00	80.00	6,300.00	6,220.00	1.3
60-46450-65-018-474	MISC-REAL ESTATE CLOSING FEE	45.00	750.00	1,200.00	450.00	62.5
60-46450-65-020-471	MISCELLANEOUS REVENUE	.00	138.48	.00	(138.48)	.0
	TOTAL PUBLIC CHARGES FOR SERVI	2,838.67	1,125,953.87	1,211,931.00	85,977.13	92.9
	INTEREST INCOME & MISC					
60-48110-66-000-419	INTEREST-INVESTMENTS	4,155.59	39,569.09	3,000.00	(36,569.09)	1319.0
60-48400-66-000-474	WATER - INSURANCE RECOVERIES	5,000.00	9,742.50	.00	(9,742.50)	.0
60-48900-66-000-421	GEN ADMIN - MISC NON OPER CC	.00	14,928.00	46,650.00	31,722.00	32.0
	TOTAL INTEREST INCOME & MISC	9,155.59	64,239.59	49,650.00	(14,589.59)	129.4
	TOTAL FUND REVENUE	11,994.26	1,190,193.46	1,261,581.00	71,387.54	94.3

CITY OF MAYVILLE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(60) WATER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-61-102-600	SOURCE-OPER-WAGE-REG	1,576.96	20,186.50	15,809.00	(4,377.50)	127.7
60-53800-61-102-605	SOURCE-MAINT-WAGE REG	1,088.66	9,778.84	5,658.00	(4,120.84)	172.8
60-53800-61-103-600	SOURCE-OPER-WAGE-OT	439.41	4,052.53	3,318.00	(734.53)	122.1
60-53800-61-103-605	SOURCE-MAINT-WAGE-OT	.00	.00	106.00	106.00	.0
60-53800-61-319-605	SOURCE-MAINT-CONTRACTED SRVC	1,639.70	1,877.50	1,500.00	(377.50)	125.2
60-53800-61-325-605	SOURCE-MAINT-SUPPLIES	.00	350.43	100.00	(250.43)	350.4
	TOTAL SOURCE OF SUPPLY	4,744.73	36,245.80	26,491.00	(9,754.80)	136.8
60-53800-62-102-620	PUMP-OPER-WAGE REG	768.21	9,476.35	8,340.00	(1,136.35)	113.6
60-53800-62-102-625	PUMP-MAINT PLANT-WAGE REG	.00	608.88	1,031.00	422.12	59.1
60-53800-62-103-620	PUMP-OPER-WAGE OT	.00	.00	202.00	202.00	.0
60-53800-62-317-625	PUMP-MAINT PLANT-OTHER PROF	.00	67,498.64	53,275.00	(14,223.64)	126.7
60-53800-62-323-622	PUMP-UTILITIES ELECTRIC	(176.46)	64,110.72	51,732.00	(12,378.72)	123.9
60-53800-62-324-622	PUMP-UTILITIES NATURAL GAS	.00	5,013.17	7,432.00	2,418.83	67.5
	TOTAL PUMPING EXPENSE	591.75	146,707.76	122,012.00	(24,695.76)	120.2
60-53800-63-102-630	TREAT-OPER-WAGES REG	964.89	9,493.73	11,755.00	2,261.27	80.8
60-53800-63-102-635	TREAT-MAINT PLANT-WAGES REG	.00	856.50	1,362.00	505.50	62.9
60-53800-63-103-630	TREAT-OPER-WAGES OT	.00	202.79	200.00	(2.79)	101.4
60-53800-63-317-635	TREAT-MAINT PLANT-PROFESSIONAL	.00	7,435.85	4,150.00	(3,285.85)	179.2
60-53800-63-325-632	TREAT-OPER-SUPPLIES	62.75	650.45	2,000.00	1,349.55	32.5
60-53800-63-327-635	TREAT-MAINT PLANT-EQUIP SUPPLY	608.00	1,020.35	3,200.00	2,179.65	31.9
60-53800-63-364-631	TREAT-CHEM-CHLORINE	1,103.42	19,681.78	14,645.00	(5,036.78)	134.4
60-53800-63-371-631	TREAT-CHEM-HMO	.00	802.08	5,665.00	4,862.92	14.2
	TOTAL WATER TREATMENT	2,739.06	40,143.53	42,977.00	2,833.47	93.4

CITY OF MAYVILLE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(60) WATER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-64-102-640	TRANS-OPER WAGES REG	1,719.16	26,637.27	30,369.00	3,731.73	87.7
60-53800-64-102-650	TRANS-MAINT DISTR-WAGES REG	60.32	631.91	1,175.00	543.09	53.8
60-53800-64-102-651	TRANS-MAINT MAINS-WAGES REG	60.32	2,792.21	2,905.00	112.79	96.1
60-53800-64-102-652	TRANS-MAINT SERVICES-WAGES RE	241.28	1,580.32	2,955.00	1,374.68	53.5
60-53800-64-102-653	TRANS-MAINT METERS-WAGES REG	30.16	3,842.01	5,391.00	1,548.99	71.3
60-53800-64-102-654	TRANS-MAINT HYDRANTS-WAGES RE	.00	312.81	313.00	.19	99.9
60-53800-64-103-640	TRANS-OPER-WAGES-OT	72.51	295.25	700.00	404.75	42.2
60-53800-64-103-650	TRANS-MAINT DISTR-WAGES OT	.00	67.60	107.00	39.40	63.2
60-53800-64-103-651	TRANS-MAINT MAINS-WAGES OT	.00	899.74	1,128.00	228.26	79.8
60-53800-64-103-652	TRANS-MAINT SERVICES-WAGES OT	.00	323.35	905.00	581.65	35.7
60-53800-64-107-640	TRANS-OPER-WAGES STANDBY	520.00	6,022.50	7,433.00	1,410.50	81.0
60-53800-64-317-650	TRANS-MAINT DISTR-PROFESSIONAL	.00	1,000.00	.00	(1,000.00)	.0
60-53800-64-319-641	TRANS-OPER-CONTRACTED SERVIC	1,783.00	18,917.50	24,496.00	5,578.50	77.2
60-53800-64-322-641	TRANS-UTILITIES WATER/SEWER	.00	10,470.81	12,213.00	1,742.19	85.7
60-53800-64-325-641	TRANS-OPERATING-SUPPLIES	64.75	1,257.74	2,268.00	1,010.26	55.5
60-53800-64-410-651	TRANS-MAINT MAINS-REPAIRS	2,900.00	70,970.89	73,076.00	2,105.11	97.1
60-53800-64-411-652	TRANS-MAINT SERVICES-REPAIRS	4,284.00	45,347.32	24,000.00	(21,347.32)	189.0
60-53800-64-412-653	TRANS-MAINT METERS-REPAIRS	.00	1,540.66	6,000.00	4,459.34	25.7
60-53800-64-413-654	TRANS-MAINT HYDRANTS-REPAIRS	.00	32,094.94	16,500.00	(15,594.94)	194.5
	TOTAL TRANS & DISTRIBTN	11,735.50	225,004.83	211,934.00	(13,070.83)	106.2
60-53800-65-102-901	CUST ACCT-METER READING-WAGES	180.96	693.68	1,477.00	783.32	47.0
60-53800-65-102-902	CUST-ACCTG/COLLECT-WAGES REG	976.21	10,976.39	11,290.00	313.61	97.2
60-53800-65-103-902	CUST-ACCTG/COLLECT-WAGES OT	.00	15.09	.00	(15.09)	.0
60-53800-65-305-903	CUST-SUPPLIES/EXP-POSTAGE	352.89	3,211.26	5,200.00	1,988.74	61.8
60-53800-65-314-903	CUST-SUPPLIES/EXP-OFFICE	.00	81.25	1,500.00	1,418.75	5.4
60-53800-65-381-904	CUST-UNCOLLECTIBLE-WRITE OFFS	.00	.00	300.00	300.00	.0
	TOTAL CUSTOMER ACCT EXP	1,510.06	14,977.67	19,767.00	4,789.33	75.8

CITY OF MAYVILLE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(60) WATER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-66-101-920	ADM/GEN-ADMIN/GEN-SALARY	2,800.97	32,209.75	33,607.00	1,397.25	95.8
60-53800-66-102-920	ADM/GEN-WAGES REG	976.21	10,976.39	11,426.00	449.61	96.1
60-53800-66-102-930	ADM/GEN-MISC GEN-WAGES REG	331.76	4,564.66	5,257.00	692.34	86.8
60-53800-66-102-933	ADM/GEN-TRANSPORTATION-WAGES	.00	150.48	242.00	91.52	62.2
60-53800-66-102-935	ADM/GEN-MAINT GEN PLANT-WAGES	542.88	6,151.53	7,717.00	1,565.47	79.7
60-53800-66-103-930	ADM/GEN-MISC GEN-WAGES OT	.00	90.48	33.00	(57.48)	274.2
60-53800-66-201-408	ADM/GEN-FICA & MEDICARE	1,042.95	12,710.32	14,500.00	1,789.68	87.7
60-53800-66-203-926	ADM/GEN-RETIREMENT	972.72	11,235.88	11,989.00	753.12	93.7
60-53800-66-204-926	ADM/GEN-HEALTH INSURANCE	3,785.68	43,616.46	58,259.00	14,642.54	74.9
60-53800-66-205-926	ADM/GEN-LIFE INSURANCE	30.20	354.95	488.00	133.05	72.7
60-53800-66-206-930	ADM/GEN-MISC GEN-EDUCATION	.00	.00	125.00	125.00	.0
60-53800-66-208-926	ADM/GEN-DENTAL INSURANCE	212.39	2,430.70	2,532.00	101.30	96.0
60-53800-66-210-926	ADM/GEN-VISION INSURANCE	30.97	354.56	369.00	14.44	96.1
60-53800-66-211-926	ADM/GEN-SICK LEAVE PAYOUT	573.04	3,509.00	1,866.00	(1,643.00)	188.1
60-53800-66-212-930	ADM/GEN-BOARDS & COMMITTEES	.00	.00	920.00	920.00	.0
60-53800-66-213-926	ADM/GEN-VACATION	208.80	5,542.19	3,305.00	(2,237.19)	167.7
60-53800-66-214-926	ADM/GEN-HOLIDAY PAY	312.62	2,707.44	4,032.00	1,324.56	67.2
60-53800-66-218-926	ADM/GEN-SHORT TERM DISABILITY	55.17	619.87	954.00	334.13	65.0
60-53800-66-280-926	ADM/GEN-FSA ADMIN FEES	.00	66.48	176.00	109.52	37.8
60-53800-66-302-930	ADM/GEN-MEMBERSHIPS	.00	1,328.00	600.00	(728.00)	221.3
60-53800-66-303-930	ADM/GEN-REGISTRATION FEES	.00	747.67	1,000.00	252.33	74.8
60-53800-66-304-921	ADM/GEN-TELEPHONE	8.72	537.15	700.00	162.85	76.7
60-53800-66-305-921	ADM/GEN-POSTAGE	.00	104.88	518.00	413.12	20.3
60-53800-66-306-930	ADM/GEN-TRAVEL EMPLOYEE	.00	.00	100.00	100.00	.0
60-53800-66-308-930	ADM/GEN-LODGING	.00	(387.00)	.00	387.00	.0
60-53800-66-310-930	ADM/GEN-PUBLICATION NOTICES	19.14	1,325.45	1,500.00	174.55	88.4
60-53800-66-313-403	ADM/GEN-DEPRECIATION	.00	.00	255,000.00	255,000.00	.0
60-53800-66-313-404	ADM/GEN-DEPRECIATION CIAC	.00	.00	28,250.00	28,250.00	.0
60-53800-66-314-921	ADM/GEN-OFFICE SUPPLIES	6.94	2,008.93	957.00	(1,051.93)	209.9
60-53800-66-315-923	ADM/GEN-LEGAL SERVICES	.00	533.75	1,200.00	666.25	44.5
60-53800-66-316-923	ADM/GEN-ACCOUNTING/AUDIT	.00	32,992.90	18,500.00	(14,492.90)	178.3
60-53800-66-317-923	ADM/GEN-CONTRACTED SERVICES	.00	880.86	2,500.00	1,619.14	35.2
60-53800-66-317-930	ADM/GEN-PROFESSIONAL SERVICES	43.75	2,249.50	1,000.00	(1,249.50)	225.0
60-53800-66-319-923	ADM/GEN-CONTRACTED SERVICES	.00	782.81	1,200.00	417.19	65.2
60-53800-66-319-935	ADM/GEN-MAINT GEN-CONTRACTED	.00	5,002.14	2,500.00	(2,502.14)	200.1

CITY OF MAYVILLE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(60) WATER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-66-321-935	ADM/GEN-JANITORIAL SUPPLIES	145.90	1,945.68	2,300.00	354.32	84.6
60-53800-66-325-935	ADM/GEN-MAINT GEN-SUPPLIES	207.53	1,583.43	3,100.00	1,516.57	51.1
60-53800-66-327-921	ADM/GEN-OFFICE SUPPLIES-EQUIP	113.23	13,597.40	7,000.00	(6,597.40)	194.3
60-53800-66-331-933	ADM/GEN-SUPPLIES VEHICLES	13.99	2,775.96	1,800.00	(975.96)	154.2
60-53800-66-334-924	INSURANCE BUILDINGS	738.82	7,836.85	9,636.00	1,799.15	81.3
60-53800-66-335-933	INSURANCE-VEHICLES	168.22	1,784.29	2,196.00	411.71	81.3
60-53800-66-336-924	INSURANCE PUBLIC LIABILITY	211.04	2,238.53	2,750.00	511.47	81.4
60-53800-66-341-428	AMORTIZATION DEBT DISC/EXP	.00	.00	12,250.00	12,250.00	.0
60-53800-66-353-427	ADM/GEN-INTEREST-LONG TRM DEB	.00	38,328.29	35,000.00	(3,328.29)	109.5
60-53800-66-354-456	ADM/GEN-LEAD LATERAL REIMBURS	.00	640.03	.00	(640.03)	.0
60-53800-66-386-933	ADM/GEN-SUPPLIES GAS/OIL/ETC	112.81	2,786.36	3,171.00	384.64	87.9
60-53800-66-387-924	INSURANCE-WORKERS COMP	652.10	7,026.91	8,499.00	1,472.09	82.7
60-53800-66-392-408	ADM/GEN-PAYMENT IN LIEU OF TAX	.00	1,174.37	200,000.00	198,825.63	.6
60-53800-66-902-935	ADM/GEN-TRSFR TO GENERAL FUND	.00	.00	6,500.00	6,500.00	.0
	TOTAL ADMIN & GENERAL	14,318.55	267,116.28	767,524.00	500,407.72	34.8
	TOTAL FUND EXPENDITURES	35,639.65	730,195.87	1,190,705.00	460,509.13	61.3
	NET REVENUE OVER EXPENDITURES	(23,645.39)	459,997.59	70,876.00	(389,121.59)	649.0

CITY OF MAYVILLE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(61) SEWER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	PUBLIC CHARGES FOR SERVICES					
61-46410-65-011-631	FORFEITURES & PENALTIES	2,867.05	8,699.73	5,965.00	(2,734.73)	145.9
61-46410-65-021-622	RESIDENTIAL - SEWER	48.33	592,815.28	705,031.00	112,215.72	84.1
61-46410-65-022-622	COMMERCIAL - SEWER	.00	173,033.36	196,119.00	23,085.64	88.2
61-46410-65-023-622	INDUSTRIAL-SEWER	7,908.00	390,672.52	463,008.00	72,335.48	84.4
61-46410-65-024-622	PUBLIC AUTHORITY - SEWER	2,395.98	26,583.49	32,337.00	5,753.51	82.2
61-46410-65-025-624	SERVICES-OTHER UTILITIES	449.40	54,219.84	62,974.00	8,754.16	86.1
61-46410-65-026-635	SEWER-MISCELLANEOUS	.00	.00	1,200.00	1,200.00	.0
61-46410-65-027-635	SEWER CONNECTS	.00	23,921.61	11,829.00	(12,092.61)	202.2
	TOTAL PUBLIC CHARGES FOR SERVI	13,668.76	1,269,945.83	1,478,463.00	208,517.17	85.9
	INTEREST INCOME & MISC					
61-48110-66-000-419	INTEREST-INVESTMENTS	8,058.73	77,849.93	8,907.00	(68,942.93)	874.0
	TOTAL INTEREST INCOME & MISC	8,058.73	77,849.93	8,907.00	(68,942.93)	874.0
	TOTAL FUND REVENUE	21,727.49	1,347,795.76	1,487,370.00	139,574.24	90.6

CITY OF MAYVILLE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(61) SEWER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
61-53610-65-102-840	BILL/COLLECT/ACCTG -WAGES	976.21	10,976.39	11,290.00	313.61	97.2
61-53610-65-102-842	METER READING-WAGES	568.41	6,596.48	6,695.00	98.52	98.5
61-53610-65-305-840	BILL/COLLECT/ACCTG-POSTAGE	352.90	3,211.30	3,510.00	298.70	91.5
61-53610-65-314-840	BILL/COLLECT/ACCT-SUPPLIES OFF	19.14	100.39	1,500.00	1,399.61	6.7
	TOTAL CUSTOMER ACCT EXP	1,916.66	20,884.56	22,995.00	2,110.44	90.8

CITY OF MAYVILLE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(61) SEWER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
61-53610-66-101-850	ADMIN & GENERAL SALARIES	2,800.62	32,208.67	33,606.00	1,397.33	95.8
61-53610-66-102-850	ADMIN & GENERAL WAGES	976.21	10,991.40	11,290.00	298.60	97.4
61-53610-66-102-856	MISC GENERAL WAGES	733.15	10,367.89	10,468.00	100.11	99.0
61-53610-66-103-856	MISC GENERAL WAGES OT	.00	364.99	.00	(364.99)	.0
61-53610-66-201-854	PENSION/BENEFIT FICA/MEDICARE	1,415.84	16,009.24	22,344.00	6,334.76	71.7
61-53610-66-203-854	PENSION/BENEFIT RETIREMENT	1,138.74	13,947.63	15,220.00	1,272.37	91.6
61-53610-66-204-854	PENSION/BENEFIT HEALTH INSURAN	4,699.07	41,684.69	52,654.00	10,969.31	79.2
61-53610-66-205-854	PENSION/BENEFIT LIFE INSURANCE	20.65	204.20	526.00	321.80	38.8
61-53610-66-206-856	MISC GEN EDUCATION & TRAINING	.00	63.37	500.00	436.63	12.7
61-53610-66-208-854	PENSION/BENEFIT DENTAL INSURAN	228.40	2,412.32	3,739.00	1,326.68	64.5
61-53610-66-210-854	PENSION/BENEFIT VISION INSURAN	40.12	367.90	542.00	174.10	67.9
61-53610-66-211-854	PENSION/BENEFIT SICK LEAVE	.00	641.18	5,600.00	4,958.82	11.5
61-53610-66-212-856	MISC GEN BOARDS & COMMITTEES	.00	.00	920.00	920.00	.0
61-53610-66-213-854	PENSION/BENEFIT VACATION	1,179.84	7,291.51	8,104.00	812.49	90.0
61-53610-66-214-854	PENSION/BENEFIT HOLIDAY	96.68	6,799.09	9,200.00	2,400.91	73.9
61-53610-66-218-854	PENSION/BENEFIT SHT TRM DISAB	74.12	798.87	750.00	(48.87)	106.5
61-53610-66-280-854	PENSION/BENEFIT FSA ADM FEES	.00	66.48	220.00	153.52	30.2
61-53610-66-302-856	MISC GEN MEMBERSHIP DUES	.00	.00	250.00	250.00	.0
61-53610-66-303-856	MISC GEN REGISTRATION FEES	.00	506.34	601.00	94.66	84.3
61-53610-66-304-851	OFFICE SUPPLIES/EXP TELEPHONE	8.72	537.15	700.00	162.85	76.7
61-53610-66-305-851	OFFICE SUPPLIES/EXP POSTAGE	.00	104.88	628.00	523.12	16.7
61-53610-66-306-856	MISC GEN TRAVEL EMPLOYEE	.00	.00	80.00	80.00	.0
61-53610-66-308-856	MISC GEN LODGING	.00	387.00	.00	(387.00)	.0
61-53610-66-310-851	OFFICE SUPPLY/EXP PUBLICATION	.00	255.85	200.00	(55.85)	127.9
61-53610-66-313-403	DEPRECIATION EXPENSE	.00	.00	436,000.00	436,000.00	.0
61-53610-66-314-851	OFFICE-SUPPLIES OFFICE	6.94	2,198.02	700.00	(1,498.02)	314.0
61-53610-66-315-852	OUTSIDE SERV LEGAL SERVICES	.00	183.75	1,200.00	1,016.25	15.3
61-53610-66-316-852	OUTSIDE SERV ACCOUNTING/AUDIT	.00	30,370.11	18,500.00	(11,870.11)	164.2
61-53610-66-317-852	OUTSIDE SERV OTH PROFESSIONAL	43.75	4,092.19	24,500.00	20,407.81	16.7
61-53610-66-317-856	MISC GEN PROFESSIONAL SERV	.00	62.00	400.00	338.00	15.5
61-53610-66-327-851	OFFICE - SUPPLIES EQUIPMENT	113.24	13,297.10	7,000.00	(6,297.10)	190.0
61-53610-66-334-853	INSURANCE BUILDINGS	1,302.80	13,819.02	12,260.00	(1,559.02)	112.7
61-53610-66-335-853	INSURANCE VEHICLES	333.27	3,535.09	3,624.00	88.91	97.6
61-53610-66-336-853	INSURANCE PUBLIC LIABILITY	211.04	1,434.93	2,060.00	625.07	69.7
61-53610-66-352-852	OUTSIDE SERV ENGINEERING	.00	750.00	5,000.00	4,250.00	15.0

CITY OF MAYVILLE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(61) SEWER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
61-53610-66-353-427	INTEREST ON LONG TERM DEBT	.00	30,443.52	32,500.00	2,056.48	93.7
61-53610-66-387-854	PENSION/BENEFIT WKRS COMP INS	652.10	7,830.52	7,189.00	(641.52)	108.9
61-53610-66-902-852	OUTSIDE SERV TRSFR TO GEN FUND	.00	.00	6,500.00	6,500.00	.0
	TOTAL ADMIN & GENERAL EXP	16,075.30	254,026.90	735,575.00	481,548.10	34.5
61-53610-67-102-820	SUPERVISION & LABOR WAGES	1,250.34	11,833.42	22,618.00	10,784.58	52.3
61-53610-67-102-828	TRANSPORTATION EXP WAGES	12.09	559.00	3,450.00	2,891.00	16.2
61-53610-67-103-820	SUPERVISION & LABOR WAGES OT	2,016.70	8,354.62	6,077.00	(2,277.62)	137.5
61-53610-67-107-820	SUPERVISION & LABOR STANDBY	520.00	5,767.50	7,433.00	1,665.50	77.6
61-53610-67-303-827	OTH OPERATING REGISTRATION FEE	.00	4,447.06	4,500.00	52.94	98.8
61-53610-67-317-827	OTH OPERATING PROFESSIONAL	.00	.00	2,516.00	2,516.00	.0
61-53610-67-319-827	OTH OPER CONTRACTED SLUDGE	17,878.80	170,558.46	207,396.00	36,837.54	82.2
61-53610-67-322-827	OTH OPER UTILITIES WATER/SEWER	.00	2,710.08	4,738.00	2,027.92	57.2
61-53610-67-323-822	POWER/FUEL AERATION ELECTRIC	.00	108,951.44	108,733.00	(218.44)	100.2
61-53610-67-324-827	OTHER OPER UTILITIES NAT GAS	.00	27,093.47	42,756.00	15,662.53	63.4
61-53610-67-325-827	OTH OPER - SUPPLIES OPERATING	460.34	7,028.65	10,950.00	3,921.35	64.2
61-53610-67-331-828	TRANSPORT SUPPLIES VEHICLES	3,495.00	5,893.48	2,114.00	(3,779.48)	278.8
61-53610-67-357-826	OTH CHEMICALS SUPPLIES OTHER	.00	411.00	.00	(411.00)	.0
61-53610-67-364-824	OPERATING EXPENSE-PHOS REM CH	.00	81,506.15	73,500.00	(8,006.15)	110.9
61-53610-67-386-828	TRANSPORT EXP SUPPLIES GAS/OIL	160.83	2,918.35	2,746.00	(172.35)	106.3
	TOTAL OPERATING EXPENSE	25,794.10	438,032.68	499,527.00	61,494.32	87.7

CITY OF MAYVILLE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING NOVEMBER 30, 2023

(61) SEWER FUND

		PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
61-53610-68-102-831	MAINT COLLECT SYSTEM WAGES	909.32	9,192.71	6,480.00	(2,712.71)	141.9
61-53610-68-102-832	COLLECT SYS PUMP EQUIP WAGES	375.46	8,078.67	4,510.00	(3,568.67)	179.1
61-53610-68-102-833	MAINT TREAT/DISP EQUIP WAGES	2,253.79	29,303.66	23,089.00	(6,214.66)	126.9
61-53610-68-102-834	MAINT GEN PLANT WAGES	147.01	10,663.49	9,539.00	(1,124.49)	111.8
61-53610-68-103-831	MAINT COLLECT SYSTEM WAGES OT	72.51	164.63	.00	(164.63)	.0
61-53610-68-103-832	COLLECT SYS PUMP EQUIP WAGE O	30.17	434.65	315.00	(119.65)	138.0
61-53610-68-103-833	MAINT TREAT/DISP EQUIP WAGE OT	199.25	717.89	489.00	(228.89)	146.8
61-53610-68-317-831	MAINT COLLECT SYSTEM PROF SER	.00	21,444.60	3,500.00	(17,944.60)	612.7
61-53610-68-317-832	COLLECT SYS PUMP EQUIP PROF	.00	31,397.81	12,500.00	(18,897.81)	251.2
61-53610-68-317-834	MAINT GEN PLANT PROF SERV	.00	10,781.53	14,284.00	3,502.47	75.5
61-53610-68-319-833	MAINT TREAT/DISP EQUIP CONTRAC	.00	5,395.57	16,080.00	10,684.43	33.6
61-53610-68-321-834	MAINT GEN PLANT JANITOR SUPPLY	177.57	2,372.10	2,425.00	52.90	97.8
61-53610-68-325-831	MAINT COLLECT SYS OPER SUPPLY	3,866.68	6,431.95	10,246.00	3,814.05	62.8
61-53610-68-325-834	MAINT GEN PLANT OPER SUPPLY	25.42	1,357.70	5,223.00	3,865.30	26.0
61-53610-68-327-833	MAINT TREAT/DISP EQUIP-SUPPLY	94.32	2,792.22	6,400.00	3,607.78	43.6
61-53610-68-359-832	COLL SYS PUMP EQUIP MAINT OTH	31.67	7,470.61	1,575.00	(5,895.61)	474.3
61-53610-68-412-835	MAINT METERS REPAIRS	.00	1,481.00	1,500.00	19.00	98.7
61-53610-68-414-831	MAINT COLLECT SYS REPAIR LINES	.00	76,875.64	12,800.00	(64,075.64)	600.6
	TOTAL MAINTENANCE EXPENSE	8,183.17	226,356.43	130,955.00	(95,401.43)	172.9
61-53610-69-102-820	LAB WAGES	3,952.21	44,852.97	47,660.00	2,807.03	94.1
61-53610-69-103-820	LAB WAGES OT	11.31	472.33	600.00	127.67	78.7
61-53610-69-317-827	LAB PROFESSIONAL SERV	2,488.33	11,044.51	7,408.00	(3,636.51)	149.1
61-53610-69-383-827	LAB SUPPLIES	45.55	5,583.27	5,900.00	316.73	94.6
	TOTAL LAB EXPENSES	6,497.40	61,953.08	61,568.00	(385.08)	100.6
	TOTAL FUND EXPENDITURES	58,466.63	1,001,253.65	1,450,620.00	449,366.35	69.0
	NET REVENUE OVER EXPENDITURES	(36,739.14)	346,542.11	36,750.00	(309,792.11)	943.0

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
60-17005-00-000-183 PRELIMINARY SURVEY					
KUNKEL ENGINEERING GROUP LL	ALLEY ST- WATER CRS PRELIM	264421	09/28/2023	675.00	
Total 60-17005-00-000-183 PRELIMINARY SURVEY:				675.00	
60-18005-00-100-107 CONSTRUCTION WORK IN PROGRESS					
TOWN & COUNTRY ENGINEERING I	WELL #4 TASK ORDER #2	25992	11/09/2023	4,165.50	
Total 60-18005-00-100-107 CONSTRUCTION WORK IN PROGRESS:				4,165.50	
60-18100-00-100-346 TRAN-METERS					
MIDWEST METER INC	SENECA METER	161401-IN	10/31/2023	4,109.30	
MIDWEST METER INC	METER- INVENTORY 2023	161461-IN	11/13/2023	945.98	
MIDWEST METER INC	METER- INVENTORY	161557-IN	11/15/2023	1,620.98	
Total 60-18100-00-100-346 TRAN-METERS:				6,676.26	
60-53800-61-319-605 SOURCE-MAINT-CONTRACTED SRVC					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	889	10/12/2023	1,639.70	
Total 60-53800-61-319-605 SOURCE-MAINT-CONTRACTED SRVC:				1,639.70	
60-53800-63-325-632 TREAT-OPER-SUPPLIES					
BMO HARRIS BANK NA	UTILITIES 6136 - USPS	MULTI OCT 2023	10/31/2023	30.90	
BMO HARRIS BANK NA	UTILITIES 6136 - USPS	MULTI OCT 2023	10/31/2023	31.85	
Total 60-53800-63-325-632 TREAT-OPER-SUPPLIES:				62.75	
60-53800-63-327-635 TREAT-MAINT PLANT-EQUIP SUPPLY					
MARTELLE WATER TREATMENT IN	WELL #2 CHLORINE PUMP	26084	10/30/2023	608.00	
Total 60-53800-63-327-635 TREAT-MAINT PLANT-EQUIP SUPPLY:				608.00	
60-53800-64-319-641 TRANS-OPER-CONTRACTED SERVICES					
HYDRO CORP	CC INSP COMM	74768-IN	10/31/2023	1,084.00	
HYDRO CORP	CC INSPECTIONS RES	74969-IN	10/31/2023	699.00	
Total 60-53800-64-319-641 TRANS-OPER-CONTRACTED SERVICES:				1,783.00	
60-53800-64-325-641 TRANS-OPERATING-SUPPLIES					
US CELLULAR CORPORATION	#320040129 UTILITY-W	613584929	10/26/2023	64.75	
Total 60-53800-64-325-641 TRANS-OPERATING-SUPPLIES:				64.75	
60-53800-64-410-651 TRANS-MAINT MAINS-REPAIRS					
ASPHALT SPECIALISTS	ALLEN MAIN PAVING	15481	10/24/2023	2,900.00	
Total 60-53800-64-410-651 TRANS-MAINT MAINS-REPAIRS:				2,900.00	
60-53800-66-304-921 ADM/GEN-TELEPHONE					
AT&T - INTERNET & LOCAL	CITY WASTEWATER	920387790910 OCT 202	10/22/2023	8.72	
Total 60-53800-66-304-921 ADM/GEN-TELEPHONE:				8.72	
60-53800-66-310-930 ADM/GEN-PUBLICATION NOTICES					
MULTI MEDIA CHANNELS LLC	UTILITIES NOTICE OF POSSIBLE QUORUM	IN165964	11/12/2023	19.14	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
Total 60-53800-66-310-930 ADM/GEN-PUBLICATION NOTICES:				19.14	
60-53800-66-314-921 ADM/GEN-OFFICE SUPPLIES					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	1158	10/31/2023	4.27	
AMAZON CAPITAL SERVICES	UTILITIES- W	1GLC-1RYM-9PDD	10/25/2023	2.67	
Total 60-53800-66-314-921 ADM/GEN-OFFICE SUPPLIES:				6.94	
60-53800-66-317-930 ADM/GEN-PROFESSIONAL SERVICES					
MADDEN LAW GROUP	WATER SERVICES LEGAL	14183	11/14/2023	43.75	
Total 60-53800-66-317-930 ADM/GEN-PROFESSIONAL SERVICES:				43.75	
60-53800-66-321-935 ADM/GEN-JANITORIAL SUPPLIES					
DARYL J TONN PEST CONTROL LL	PEST CONTROL - GENERAL PLANT-W	NOV 2023	11/02/2023	15.83	
GFL ENVIRONMENTAL	UTILITY W	NOV 2023	10/20/2023	98.89	
AMAZON CAPITAL SERVICES	UTILITIES- W	1GLC-1RYM-9PDD	10/25/2023	17.50	
Total 60-53800-66-321-935 ADM/GEN-JANITORIAL SUPPLIES:				132.22	
60-53800-66-325-935 ADM/GEN-MAINT GEN-SUPPLIES					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	889	10/12/2023	121.92	
AMAZON CAPITAL SERVICES	UTILITIES- W	17DM-WWVP-7337	11/01/2023	31.48	
AMAZON CAPITAL SERVICES	UTILITIES- W	1NPT-KNKV-6LV7	10/26/2023	9.98	
Total 60-53800-66-325-935 ADM/GEN-MAINT GEN-SUPPLIES:				163.38	
60-53800-66-327-921 ADM/GEN-OFFICE SUPPLIES-EQUIP					
BADGER METER INC	BECON MBL HOSTING SERV UNIT W	80143116	10/30/2023	99.00	
BMO HARRIS BANK NA	UTILITIES 6136 - ZOOM	MULTI OCT 2023	10/31/2023	7.99	
JAMES IMAGING SYSTEMS INC	WATER DEPT C300I - 1	1379712	11/13/2023	6.24	
Total 60-53800-66-327-921 ADM/GEN-OFFICE SUPPLIES-EQUIP:				113.23	
60-53800-66-331-933 ADM/GEN-SUPPLIES VEHICLES					
AMAZON CAPITAL SERVICES	UTILITIES- W	17DM-WWVP-7337	11/01/2023	13.99	
Total 60-53800-66-331-933 ADM/GEN-SUPPLIES VEHICLES:				13.99	
60-53800-66-334-924 INSURANCE BUILDINGS					
EMC INSURANCE COMPANIES	WATER PROPERTY	7000813653	11/06/2023	738.82	
Total 60-53800-66-334-924 INSURANCE BUILDINGS:				738.82	
60-53800-66-335-933 INSURANCE-VEHICLES					
EMC INSURANCE COMPANIES	WATER VEHICLES	7000813653	11/06/2023	168.22	
Total 60-53800-66-335-933 INSURANCE-VEHICLES:				168.22	
60-53800-66-336-924 INSURANCE PUBLIC LIABILITY					
EMC INSURANCE COMPANIES	WATER PUBLIC LIABILITY	7000813653	11/06/2023	211.04	
Total 60-53800-66-336-924 INSURANCE PUBLIC LIABILITY:				211.04	
60-53800-66-386-933 ADM/GEN-SUPPLIES GAS/OIL/ETC					
KWIK TRIP INC	#272441 WATER GAS CHARGES	OCT 2023	11/01/2023	112.81	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
Total 60-53800-66-386-933 ADM/GEN-SUPPLIES GAS/OIL/ETC:				112.81	
60-53800-66-387-924 INSURANCE-WORKERS COMP					
EMC INSURANCE COMPANIES	WATER WORKERS COMP	7000813653	11/06/2023	652.10	
Total 60-53800-66-387-924 INSURANCE-WORKERS COMP:				652.10	
Grand Totals:				20,959.32	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
61-17005-00-000-183 PRELIMINARY SURVEY					
KUNKEL ENGINEERING GROUP LL	ALLEY ST- SANITARY CRS PRELIM	264421	09/28/2023	2,350.00	
Total 61-17005-00-000-183 PRELIMINARY SURVEY:				2,350.00	
61-53610-65-314-840 BILL/COLLECT/ACCT-SUPPLIES OFF					
MULTI MEDIA CHANNELS LLC	UTILITIES NOTICE OF POSSIBLE QUORUM	IN165964	11/12/2023	19.14	
Total 61-53610-65-314-840 BILL/COLLECT/ACCT-SUPPLIES OFF:				19.14	
61-53610-66-304-851 OFFICE SUPPLIES/EXP TELEPHONE					
AT&T - INTERNET & LOCAL	CITY WATER	920387790910 OCT 202	10/22/2023	8.72	
Total 61-53610-66-304-851 OFFICE SUPPLIES/EXP TELEPHONE:				8.72	
61-53610-66-314-851 OFFICE-SUPPLIES OFFICE					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	1158	10/31/2023	4.27	
AMAZON CAPITAL SERVICES	UTILITIES- WW	1GLC-1RYM-9PDD	10/25/2023	2.67	
Total 61-53610-66-314-851 OFFICE-SUPPLIES OFFICE:				6.94	
61-53610-66-317-852 OUTSIDE SERV OTH PROFESSIONAL					
MADDEN LAW GROUP	WASTEWATER SERVICES LEGAL	14183	11/14/2023	43.75	
Total 61-53610-66-317-852 OUTSIDE SERV OTH PROFESSIONAL:				43.75	
61-53610-66-327-851 OFFICE - SUPPLIES EQUIPMENT					
BADGER METER INC	BECON MBL HOSTING SERV UNIT WW	80143116	10/30/2023	99.00	
BMO HARRIS BANK NA	UTILITIESS 6136 ZOOM	MULTI OCT 2023	10/31/2023	8.00	
JAMES IMAGING SYSTEMS INC	WATER DEPT C300I -2	1379712	11/13/2023	6.24	
Total 61-53610-66-327-851 OFFICE - SUPPLIES EQUIPMENT:				113.24	
61-53610-66-334-853 INSURANCE BUILDINGS					
EMC INSURANCE COMPANIES	WW PROPERTY	7000813653	11/06/2023	1,302.80	
Total 61-53610-66-334-853 INSURANCE BUILDINGS:				1,302.80	
61-53610-66-335-853 INSURANCE VEHICLES					
EMC INSURANCE COMPANIES	WW VEHICLES	7000813653	11/06/2023	333.27	
Total 61-53610-66-335-853 INSURANCE VEHICLES:				333.27	
61-53610-66-336-853 INSURANCE PUBLIC LIABILITY					
EMC INSURANCE COMPANIES	WW PUBLIC LIABILITY	7000813653	11/06/2023	211.04	
Total 61-53610-66-336-853 INSURANCE PUBLIC LIABILITY:				211.04	
61-53610-66-387-854 PENSION/BENEFIT WKRS COMP INS					
EMC INSURANCE COMPANIES	WW WORKERS COMP	7000813653	11/06/2023	652.10	
Total 61-53610-66-387-854 PENSION/BENEFIT WKRS COMP INS:				652.10	
61-53610-67-319-827 OTH OPER CONTRACTED SLUDGE					
BADGER STATE WASTE LLC	SLUDGE HAULING	4118	11/09/2023	17,878.80	
Total 61-53610-67-319-827 OTH OPER CONTRACTED SLUDGE:				17,878.80	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
61-53610-67-325-827 OTH OPER - SUPPLIES OPERATING					
US CELLULAR CORPORATION	#320040129 UTILITY-WW	613584929	10/26/2023	64.75	
GFL ENVIRONMENTAL	UTILITY WW(2)	NOV 2023	10/20/2023	395.59	
Total 61-53610-67-325-827 OTH OPER - SUPPLIES OPERATING:				460.34	
61-53610-67-331-828 TRANSPORT SUPPLIES VEHICLES					
COMPLETE H-D SPECIALIST LLC	VAC TRUCK MAINT	20679	10/24/2023	1,153.43	
Total 61-53610-67-331-828 TRANSPORT SUPPLIES VEHICLES:				1,153.43	
61-53610-67-386-828 TRANSPORT EXP SUPPLIES GAS/OIL					
KWIK TRIP INC	#272441 SEWER GAS CHARGES	OCT 2023	11/01/2023	160.83	
Total 61-53610-67-386-828 TRANSPORT EXP SUPPLIES GAS/OIL:				160.83	
61-53610-68-321-834 MAINT GEN PLANT JANITOR SUPPLY					
DARYL J TONN PEST CONTROL LL	PEST CONTROL - GENERAL PLANT-WW	NOV 2023	11/02/2023	23.75	
DARYL J TONN PEST CONTROL LL	PEST CONTROL - GENERAL PLANT-WW	NOV 2023	11/02/2023	23.75	
GFL ENVIRONMENTAL	UTILITY WW	NOV 2023	10/20/2023	98.90	
AMAZON CAPITAL SERVICES	UTILITIES- WW	1GLC-1RYM-9PDD	10/25/2023	17.49	
Total 61-53610-68-321-834 MAINT GEN PLANT JANITOR SUPPLY:				163.89	
61-53610-68-325-834 MAINT GEN PLANT OPER SUPPLY					
HORICON ACE HARDWARE	UTILITIES - SUPPLIES 61	1067	10/11/2023	6.75	
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	1007	10/19/2023	5.67	
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	989	10/18/2023	13.00	
Total 61-53610-68-325-834 MAINT GEN PLANT OPER SUPPLY:				25.42	
61-53610-68-327-833 MAINT TREAT/DISP EQUIP-SUPPLY					
AMAZON CAPITAL SERVICES	UTILITIES- WW	1XFW-HR3F-JV4N	10/29/2023	94.32	
Total 61-53610-68-327-833 MAINT TREAT/DISP EQUIP-SUPPLY:				94.32	
61-53610-68-359-832 COLL SYS PUMP EQUIP MAINT OTH					
DARYL J TONN PEST CONTROL LL	PEST CONTROL - LIFT STATION	NOVEMBER 2023	11/02/2023	31.67	
Total 61-53610-68-359-832 COLL SYS PUMP EQUIP MAINT OTH:				31.67	
61-53610-69-317-827 LAB PROFESSIONAL SERV					
ENVIRONMENTAL CONSULT & TES	WET TESTING	6620	10/11/2023	1,800.00	
WISCONSIN STATE LAB OF HYGIEN	#504654 2024 PROFICIENCY TESTING	30023004	11/01/2023	333.00	
Total 61-53610-69-317-827 LAB PROFESSIONAL SERV:				2,133.00	
61-53610-69-383-827 LAB SUPPLIES					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	966	10/17/2023	12.32	
AMAZON CAPITAL SERVICES	UTILITIES- WW	1GLC-1RYM-9PDD	10/25/2023	33.23	
Total 61-53610-69-383-827 LAB SUPPLIES:				45.55	
Grand Totals:				27,188.25	

Item D

12-0600-00 PIGGLY WIGGLY 1440 HORICON ST

1440 HORICON ST

120600 387-3220 MAYVILLE WI 53050

Display Compare History Transactions Customer Services Location Meters Backflow Contracts Loans Certification Credit History Supplemental

Detail Billed Usage Chart Billed Amount Chart Billing Chart

	12/31/2023	11/30/2023	10/31/2023	09/30/2023	08/31/2023	07/31/2023	06/30/2023	05/31/2023	04/30/2023	03/31/2023	02/28/2023	01/31/2023	12/31/2022
WATER BASE	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78
WATER USAGE	1,099.65	1,215.15	1,101.30	1,454.40	1,093.05	1,028.70	893.40	698.70	675.60	616.20	545.25	441.30	330.86
WATER USAGE usage	591	661	592	806	587	548	466	348	334	298	255	192	133
PRIVATE FIRE PROTECTION	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
PUBLIC FIRE PROT	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73
SEWER BASE	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30
SEWER USAGE	2,872.26	3,212.46	2,877.12	3,917.16	2,852.82	2,663.28	2,264.76	1,691.28	1,623.24	1,448.28	1,239.30	933.12	646.38
WATER PENALTY	.00	.00	.00	12.84	.00	10.84	.00	.00	.00	.00	.00	.00	.00
SEWER PENALTY	.00	.00	.00	28.83	.00	22.95	.00	.00	.00	.00	.00	.00	.00
Total charges	4,192.72	4,648.42	4,199.23	5,634.04	4,166.68	3,946.58	3,378.97	2,610.79	2,519.65	2,285.29	2,005.36	1,595.23	1,198.05
Previous balance	4,648.42	4,199.23	9,800.72	4,166.68	3,946.58	3,378.97	2,610.79	2,519.65	2,285.29	2,005.36	1,595.23	1,198.05	1,074.29
Payments	4,648.42-	4,199.23-	9,800.72-	.00	3,946.58-	3,378.97-	2,610.79-	2,519.65-	2,285.29-	2,005.36-	1,595.23-	1,198.05-	1,074.29-
Adjustments	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

12-0600-00 PIGGLY WIGGLY 1440 HORICON ST

1440 HORICON ST

120600 387-3220 MAYVILLE WI 53050

Display Compare History Transactions Customer Services Location Meters Backflow Contracts Loans Certification Credit History Supplemental

Detail Billed Usage Chart Billed Amount Chart Billing Chart

	12/31/2022	11/30/2022	10/31/2022	09/30/2022	08/31/2022	07/31/2022	06/30/2022	05/31/2022	04/30/2022	03/31/2022	02/28/2022	01/31/2022	12/31/2021
WATER BASE	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.00
WATER USAGE	330.86	289.72	238.90	280.04	277.62	289.72	383.55	246.16	248.58	282.46	241.32	236.48	262.50
WATER USAGE usage	133	116	95	112	111	116	157	98	99	113	96	94	108
PRIVATE FIRE PROTECTION	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
PUBLIC FIRE PROT	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	93.73	91.00
SEWER BASE	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30	30.30
SEWER USAGE	646.38	563.76	461.70	544.32	539.46	563.76	763.02	476.28	481.14	549.18	466.56	456.84	524.88
WATER PENALTY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.03
SEWER PENALTY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.58
Total charges	1,198.05	1,074.29	921.41	1,045.17	1,037.89	1,074.29	1,367.38	943.25	950.53	1,052.45	928.69	914.13	1,013.29
Previous balance	1,074.29	921.41	1,045.17	1,037.89	1,074.29	1,367.38	943.25	950.53	1,052.45	928.69	914.13	1,013.29	860.48
Payments	1,074.29-	921.41-	1,045.17-	1,037.89-	1,074.29-	1,367.38-	943.25-	950.53-	1,052.45-	928.69-	914.13-	1,013.29-	860.48-
Adjustments	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

133	
116	
95	
112	
111	
116	
157	
98	
99	
113	
96	
94	
111.666667	Average Monthly Use

	12/31/2023	11/30/2023	10/31/2023	9/30/2023	8/31/2023	7/31/2023	6/30/2023	5/31/2023	4/30/2023	3/31/2023	2/28/2023		
Units	591	661	592	806	587	548	466	348	334	298	255		
Average Use	111	111	111	111	111	111	111	111	111	111	111		
Overage	480	550	481	695	476	437	355	237	223	187	144	4265	Units to Sewer
												4.86	Rate
												20727.9	

Item E

This is Task Order No. 3,
consisting of 4 pages.
(MV 05)

Task Order – Standard Hourly Rates Basis

In accordance with Paragraph 1.01 of the Agreement Between the City of Mayville, Wisconsin (Owner) and Town & Country Engineering, Inc. (Engineer) for Professional Services – Task Order Edition, dated October 26, 2021 ("Agreement"), Owner and Engineer agree as follows:

1. **Background Data**

   a. Effective Date of Task Order: January 1, 2024

   b. Specific Project (title): Well Houses #2, #3, and #5 Upgrades

   c. Specific Project (description): See Attachment A.

2. **Services of Engineer**

   A. The specific services to be provided or furnished by Engineer under this Task Order are described in Attachment A and the services (and related terms and conditions) set forth in the following sections of Exhibit A, as attached to the Agreement referred to above, such sections being hereby incorporated by reference:

      - Preliminary Design Phase (Exhibit A, Paragraph A1.02)
      - Final Design Phase (Exhibit A, Paragraph A1.03)
      - Bidding or Negotiating Services (Exhibit A, Paragraph A1.04)

   B. All of the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order.

3. **Additional Services**

   Those services (and related terms and conditions) set forth in Paragraph A2.01 of Exhibit A, as attached to the Agreement referred to above, such paragraph being hereby incorporated by reference.

4. **Owner's Responsibilities**

   Owner shall have those responsibilities set forth in Article 2 of the Agreement and in Exhibit B, as attached to the Agreement referred to above, such Article and Exhibit being hereby incorporated by reference, subject to the following: N/A

5. Task Order Schedule

In addition to any schedule provisions provided in Exhibit A, as attached to the Agreement referred to above, or elsewhere, the parties shall meet the schedule set forth in Attachment A.

6. Payments to Engineer

A. Owner shall pay Engineer for Basic Services set forth above, except for services of Engineer's Resident Project Representative, if any, as follows:

1. An amount equal to the cumulative hours charged to the Project by each class of Engineer's personnel times Standard Hourly Rates for each applicable billing class for all services performed on the Project, plus Reimbursable Expenses and Engineer's Consultants' charges, if any.
2. Engineer's Standard Hourly Rates Schedule is shown below.
3. The total compensation for services under this Task Order is estimated to be $191,500.00.

B. Compensation for Reimbursable Expenses

1. Owner shall pay Engineer for all Reimbursable Expenses at the rates set forth below.

Standard Hourly Rates and Reimbursable Expense Rates Schedule

Standard Hourly Rates and Reimbursable Expense Rates are set forth below. Standard Hourly Rates include salaries and wages paid to personnel in each billing class plus the cost of customary and statutory benefits, general and administrative overhead, non-project operating costs, and operating margin or profit.

Schedule:

Principal	$170.00
Senior Project Manager	$165.00
Senior Project Engineer	$160.00
Project Engineer IV	$150.00
Project Engineer III	$145.00
Project Engineer II	$140.00
Project Engineer I	$135.00
Staff Engineer II	$120.00
Staff Engineer I	$110.00
Senior Engineering Technician	$110.00
Engineering Technician III	$105.00
Engineering Technician II	$100.00
Engineering Technician I	$90.00
GIS Analyst	$110.00
GIS Technician	$100.00
Survey Crew Chief	$110.00
Construction Technician III	$105.00
Construction Technician II	$100.00
Construction Technician I	$85.00
Administrative II	$80.00
Administrative I	$75.00
Grant Writer	$95.00
Mileage – per mile	$0.70
Total Station/GPS Survey Equipment	$25.00
Computer used for CADD	$15.00
Plotter – per plan page	$15.00

7. **Terms and Conditions**

Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is January 1, 2024.

OWNER: City of Mayville, Wisconsin

By: _____

Print Name: Courtney Steger
Title: Director of Utilities
Date Signed: _____

ENGINEER: Town & Country Engineering, Inc.

By: _____

Print Name: Greg Droessler, P.E.
Title: Vice-President
Date Signed: 12/11/23

Engineer License or Firm's Certificate No. (if required): 37471-006

State of : Wisconsin

Address for Owner's receipt of notices:

15 South School Street
Mayville, WI 53050

DESIGNATED REPRESENTATIVE (Paragraph 8.04):

Courtney Steger

Title: Director of Utilities

Phone Number: 920-387-7906 ext 1223

E-Mail Address: csteger@mayvillecity.com

Address for Engineer's receipt of notices:

10505 Corporate Drive, Suite 105A
Pleasant Prairie, WI 53158

DESIGNATED REPRESENTATIVE (Paragraph 8.04):

Greg Droessler, P.E.

Title: Vice-President

Phone Number: (262) 925-3210

E-Mail Address: gdroessler@tcengineers.net

ATTACHMENT A

MEMORANDUM

Date: December 9, 2023

To: Courtney Steger – City of Mayville Director of Utilities

From: Greg Droessler, P.E. - Vice President

Subject: Engineering Services Contract for Wells No. 2, 3, and 5 Design and Bidding

Town and Country Engineering completed a '*Municipal Water System Needs Assessment Report*' in October 2021 for the City of Mayville that prioritized upgrades at the City's four well and water treatment sites. The City is currently constructing a new water treatment plant for Well No. 4 and anticipates work to be substantially complete by June 2024. This project also includes communication and controls upgrades at the other sites to ensure that the Water Utility can communicate with all sites on the same network moving forward.

We understand that the City is looking to move forward with the upgrades at the 3 other existing Well locations as a single project in an effort to get the work done more affordably with a more condensed project schedule as the work at each is similar in nature. The work at each Well location is generally summarized as follows:

- Well No. 2: The improvements consist of minor architectural work that includes replacement of the roof and doors, mechanical upgrades to the equipment and the addition of HMO for radium removal, blasting and recoating of the filter and process piping, minor HVAC upgrades, and electrical / instrumentation upgrades that include the addition of a standby generator and replacement of the power distribution equipment.
- Well No. 3: The improvements consist of minor architectural work that includes replacement of the roof, windows, and doors, mechanical upgrades to the existing process equipment, blasting and recoating of the filter and process piping, minor HVAC upgrades, and electrical / instrumentation upgrades that include the addition of a standby generator and replacement of the power distribution equipment.
- Well No. 5: The improvements consist of minor architectural work that includes replacement of the roof, windows, and doors, as well as painting the interior / exterior of the building. The improvements also include mechanical upgrades to the existing process equipment, blasting and recoating of the filter and process piping, minor HVAC upgrades, and electrical / instrumentation upgrades that include the replacement of the standby generator and power distribution equipment.

<u>Engineering Scope</u>

The scope of services for the final design includes the following:

1. Complete a site topographic survey to obtain data necessary for the site demolition and site plans at each of the three well house sites. As the site improvements are limited in scope, the survey will focus on the areas of each site that are to be modified.

2. Complete site civil design, including site demolition, site grading, and utility plans for the various well houses and generators upgrades, as well as provisions for redirecting the backwash tanks to the City's sanitary sewer as applicable.

3. Prepare process design calculations and review the existing water treatment process to design the required treatment process modifications for chemical feed and filter rehabilitation.

4. Evaluate alternatives for the potential addition of HMO at Well No. 2 for the removal of radium. This will include coordination with the DNR on the potential addition, as well as initial sizing and design of a liquid system similar to that at Well No. 3. Pilot testing of the system will be coordinated with the owner and potential vendor, but the pilot testing itself is not included.

5. Prepare structural/architectural, HVAC, plumbing, electrical, and instrumentation and control designs for the existing building and water treatment processes. These plans will be prepared and shared with the City staff at approximately 50%, 90% and final completion.

6. Prepare the final bid/construction specifications and drawings.

7. Prepare project cost estimates based on the preliminary drawings to help control project overruns based on design decisions. A final cost estimate will also be prepared at 90% completion of the plans and specifications.

8. Submit plans and specifications to all necessary review agencies, including Wisconsin DNR. This will also include necessary engineering/design reports to the DNR.

9. Assist the City with the submittal of an application for Safe Drinking Water Loan Program (SDWLP) project funding.

10. Assist the City with an application to the Wisconsin PSC for the Certificate of Authority for Construction (CA). This does not include a Rate Case as required by the PSC; this service will be secured by the City outside of this project.

11. Coordination of bidding, a pre-bid meeting, and bid award.

12. Meetings with staff and the Water & Wastewater Committee as necessary.

Project Schedule

Town and Country Engineering understands that the City is anxious to move forward with the upgrades to these facilities as soon as work at Well #4 is substantially complete. Due to the project funding source (SDWLP) and the need for both DNR and PSC approval, it is anticipated that the project will track along the following schedule:

- Begin Project Design: January 2024
- DNR Submittal of Plans, Specs, and Loan Application: June 30, 2024
- Project Bidding: December 2024

Contract Costs

The estimated construction cost with contingencies for the upgrades at the various water sites is approximately $3 million. The Engineering Services for design, preparation of bidding documents, and bidding for the improvements are estimated Not to Exceed $191,500. Costs will be invoiced on a Time and Material basis.

Services Outside This Scope

Several work scope items which may be required for document preparation or implementation of the proposed project, but that are not included in our scope of work for this contract are outlined below. Town and Country can assist with these items on an hourly basis or will help to coordinate completion of these items as required.

- Soil borings and geotechnical analysis
- Lead and asbestos testing
- Archeological, floodplain or wetland studies/evaluations
- Land or easement acquisitions
- Creation of special assessments or impact fees
- Loan or grant applications, except Safe Drinking Water Loan Program
- Water rate study / rate case
- Pilot testing of treatment technologies, if required by the DNR. This included pilot testing of alternate filter material and/or the potential addition of HMO.

This contract does not include services for construction administration or resident engineering. These services shall be provided under a subsequent and separate contract.

We at Town and Country Engineering, Inc. wish to thank you for allowing us to serve the City of Mayville. If you have any questions regarding the above scope, please feel free to call.

GJD
J:\JOB#S\Mayville\MV-00-00\O&Es\O&E Task Order (2021)\Task Order No. 3 - Well 2, 3, & 5 upgrades\Attachment A.docx

Item H

WPDES Permit Application

MAYVILLE WASTEWATER TREATMENT FACILITY

Last Updated: **01/03/2024** Permit No: **0024643-11-0**

Form 3400-178, rev. 06/23

Wisconsin Pollutant Discharge Elimination System (WPDES)

Wastewater Discharge Individual Permit Application

Permittee Name: **CITY OF MAYVILLE**
Facility Name: **MAYVILLE WASTEWATER TREATMENT FACILITY**
Address: **400 Kekoskee Street, Mayville, WI 53050**
WPDES Permit Number: **0024643-11-0**
Proposed Permit Expiration: **09/30/2029**
FID: **114005760**

Important - Please Read These Instructions

Completion of this application is required pursuant to ss. 283.37 and 283.53, Wis. Stats., and ch. NR 200, Wis. Adm. Code. Failure to provide the requested information may result in fines, forfeitures or other penalties pursuant to ss. 283.89 and 283.91, Wis. Stats. Personally identifiable information is not likely to be used by the Department of Natural Resources (DNR) for any purpose other than the reasons stated in the form or for the purpose the form is being submitted.

You must use this form (or a department-approved modification to this form) to apply for an initial permit or a reissued permit for a discharge that the DNR determines requires an individual permit under ss. NR 200.03(1)(a), (b) and (c), Wis. Adm. Code.

- Initial permit - If you are applying for an initial permit, s. NR 200.05(3), Wis. Adm. Code, requires that you file a complete application with the DNR no later than 180 days prior to the date you intend to commence discharging.
- Reissued permit - If you have an existing permit and wish to continue to discharge after expiration of the permit, s. NR 200.06, Wis. Adm. Code, requires that you must file a complete application with the DNR no later than 180 days prior to the current permit expiration date.

The application for a given permittee consists of a number of sections that may differ from another pemittee's application, based on whether your facility is municipal or industrial and based on the discharge type (surface water, land treatment, land application). You must answer every question in the sections that apply to your facility. If you try to submit the application with required fields missing or inappropriate information, an error message will alert you. You may then go back and supply the required information.

For certain outfalls (all surface water and industrial land treatment and land application), effluent monitoring for a list of pollutants is required as part of the application. Please plan accordingly so results are available to submit with the application by 180 days before the deadline. The DNR may contact you for additional information that is either missing from the submitted application, or was not specifically requested in this application. Some pollutants require multiple tests and you may be required to provide attachments to your application, including documentation on additives used at your facility. Your application will not be considered complete until the DNR receives the results of all required tests and all additional documentation as requested within the application and by department staff.

To begin, check to see if the Permittee and the Facility name shown at the top of the title page are correct. If the facility name and permittee name are not correct, please use the 'contact us' button in the menu bar at the left of the opening screen to report the error. If changes occurred at your facility since the last time the DNR reissued your permit and the DNR was not informed, this application may not contain all of the correct sections or outfalls. When you open the application for your facility, the correct discharge type(s) should appear in the menu bar. Outfalls for your facility will be listed under permit sections named for the type of discharged occurring at each outfall. To view individual outfalls, click on the permit section names. A bulleted list of outfalls included in each section will appear as the section headings are clicked. If the proper sections or outfalls are not given, notify the DNR of changes needed using the 'contact us' button prior to filling out the application. We will make the necessary changes and notify you when the application has been re-tailored to your facility. Any information entered in the application prior to re-tailoring will be lost when the application is released back to you with the correct sections and outfalls so it is important to make sure the application includes the correct sections and information prior to filling out any sections.

If the information in your application is correct:

- Click on the various sections in the menu bar to the left, one at a time, and complete the information requested by checking boxes, clicking buttons, or entering words and numbers as requested.
- If you are unsure on the information needed for specific questions, click on the Instructions button on the left menu bar. This instruction document will open to the section you are working on. Useful tip: After you bring up the instructions, you may print them. Set the print job to only print the pages you'd like printed, otherwise the complete 40-page instruction document will print.
- At certain points in the process, you may be requested to save. Your work will automatically be saved upon exiting but we recommend using the save button before you exit a section and frequently between questions to prevent data loss in the event of a computer system crash or network drop. You may complete some parts of the application, log out of the system and come back at another time to finish.

- When filling out special forms, the save button in the left menu bar will be disabled. Prior to closing out any special forms, save the information entered using the save button provided at the bottom of the form.
- You may print a section or multiple sections at any time by using the print button in the left menu bar. This will allow you to select what you want to print, open a PDF file and print pages using normal printing procedures you use for any other PDF document. You may also save a copy of your application using this print button. To get back to the application program, close the PDF application and select 'cancel' in the print window.
- When you believe a section is complete, click on the validate button in the left menu bar. If information is missing, a message will tell you what needs to be completed still. Once all the required information for that section has been supplied, a red check mark will appear in the left menu bar next to the section. You may change your answer to a question in a validated section up until you submit your application. After you change an answer in a validated section, you must save and re-validate.
- When all sections are complete, as indicated by red check marks next to the sections, the Authorized Representative will use the submit button to send the application to the DNR. When the Authorized Representative clicks on the submit button, they will see a box stating they believe the application is complete and accurate and warning them that they will no longer be able to make changes. Clicking OK will bring up a Certification Statement page and send a 'finalize submission' email with a certification code to the facility's Authorized Representative, whose email should be listed on the certification page.
- To receive the certification code, the Authorized Representative must make sure WTeReports@wisconsin.gov isn't blocked by their spam filter. If they do not receive the email to finalize submission, they should double check the email address listed in the certification page and look for an email from WTeReports@wisconsin.gov in the junk mail folder for the listed email address.
- To certify the application, the code received via the 'finalize submission' email will need to be entered in the box included on the certification page. Only the Authorized Representative for the facility will be able to hit the certify button.
- Once the permit is certified, an automated email will be sent to the individual filling out the application, the facility's Authorized Representative, and the facility owner (when applicable). Instructions for submitting additional documents and attachments to the application will be included in this automated email along with instructions for viewing, printing and saving the final, certified application.

WPDES Permit Application

MAYVILLE WASTEWATER TREATMENT FACILITY

Last Updated: **01/03/2024** Permit No: **0024643-11-0**

General Information

1. Facility Name and Location

Permittee Name: CITY OF MAYVILLE

Facility Site Name: MAYVILLE WASTEWATER TREATMENT FACILITY

Site Address: 400 KEKOSKEE STREET, NWQ, SEQ, SEC 14, T12N, R16E, MAYVILLE, WISCONSIN

MCD: City of MAYVILLE

County: Dodge

2. Other Environmental Permits or Approvals

Has the facility received or applied for coverage under any general WPDES permit or any other environmental permits, such as for management of hazardous wastes, emission of air pollutants or underground injection?

● Yes

If yes, give the permit number(s) and briefly describe the discharge(s)

#	Intake ID	Name of source water
1	0046540	Mayville Water Utility Well No 2 & 5

Iron filtration discharge permit for wells 2 & 5. As efforts continue to

○ No

3. Tribal Lands

3.1 Is any portion of the facility located on Tribal lands (i.e. land owned by or held in trust for the tribes and land within recognized reservation boundaries)? Note: Tribal lands in Wisconsin can be identified on the 'Surface Water Data Viewer'.

○ Yes

● No

3.2 Does the receiving water flow through Tribal Lands downstream from the outfall(s) from the facility?

○ Yes

● No

3.3 Are any biosolids, liquid wastes, by-product solids, or sludges stored on, disposed of, or land applied on Tribal lands?

○ Yes

● No

3.4 If yes to any of the above, please identify those portions of the facility or wastewaters located on Tribal lands.

4. Site Map

Submit a detailed site map showing the area extending to at least one (1) mile beyond property boundaries with the application attachments. This map must show the outline of the facility, the locations of incoming wastewater, including hauled waste receiving stations, the locations of all surface water discharge points (e.g., to rivers, lakes, streams etc) and all land treatment sites (e.g., seepage cells). For surface water discharges, estimate the approximate distance from the plant to the receiving waters. For groundwater discharges, include all groundwater monitoring wells, nearby residences and all potable wells within 1,000 feet of all land treatment sites. Number all discharge points and sampling points on the map. Include the map scale and a meridian arrow showing north.

☒ The site map is prepared and will be submitted with the application attachments.

5. Contact Information

Check over the contact information below and fill in any missing information or make any needed changes. It is not necessary to have a person's name as Owner. All other fields are required.

WPDES Permit Application

MAYVILLE WASTEWATER TREATMENT FACILITY

Last Updated: **01/03/2024**

Permit No: **0024643-11-0**

Contact Type	Name/Address/Email	Title/Phone
AUTHORIZED REPRESENTATIVE	Courtney Steger	Utilities Director
	400 Kekoskee Street Mayville WI 53050	
	csteger@mayvillecity.com	(920) 387-7906 Alt: (920) 212-0355
DISCHARGE MONITORING CONTACT	Courtney Steger	Utilities Director
	400 Kekoskee Street Mayville WI 53050	
	csteger@mayvillecity.com	(920) 387-7906 Alt: (920) 212-0355
FACILITY OPERATOR/PLANT MANAGER	Courtney Steger	Utilities Director
	400 Kekoskee Street Mayville WI 53050	
	csteger@mayvillecity.com	(920) 387-7906 Alt: (920) 212-0355

WPDES Permit Application

MAYVILLE WASTEWATER TREATMENT FACILITY

Last Updated: **01/03/2024** Permit No: **0024643-11-0**

Municipal Activity

1. Treatment Facility Information

1.1 Provide a brief description of the wastewater treatment facility.

Mayville WWTF provides sludge activated treatment including bar screens, grit removal, aeration, phosphorus reduction, clarifiers and UV disinfection.

Facilities planning is in progress to update equipment and buildings, properly store sludge, and improve efficiencies and treatment for the facility. Anticipated groundbreaking in 2025.

1.2 Blending - If the treatment facility is designed to operate with blending (the routing of untreated or partially treated wastewater around a biological treatment unit), you may request approval for blending. Please use the Blending Approval Checklist to help guide you in preparing a request for blending approval. Submit all applicable documentation listed in the Blending Approval Checklist with the application attachments.

Are you applying for blending approval?

- ○ Yes.

  If yes, please use the 'Blending Approval Checklist' to help guide you in preparing a request for blending approval. Submit all applicable documentation listed in the Blending Approval Checklist with the application attachments.

- ● No

2. Change in Operations

2.1 If this application is for reissuance of a current WPDES permit, since the most recent issuance, have any changes in the operations of the facility or modifications of the facility's wastewater treatment system affected either the quantity or quality of the discharges from the facility?

- ○ Yes. If yes, indicate changes and modifications that have been made and then continue to 2.2.
- ● No. (continue to 2.2)
- ○ NA. This is a first-time application.

2.2 In the next five years, do you intend to expand or change the operations of the facility or modify the wastewater treatment system to an extent that the quantity or quality of the discharge will be affected?

- ● Yes. If yes, provide a brief summary of the planned changes.

  Facilities planning is in progress to update equipment and buildings, properly store sludge, and improve efficiencies and treatment for the facility. Anticipated groundbreaking in 2025.

- ○ No. (continue to 3)

3. Design Flow

Based on information available to the Department, the wastewater treatment facilities average flow (may also be known as the "dry weather design flow") is shown below. This is the flow that the Department uses for most of the effluent limit calculations. The Department will determine other needed flow values from our records. Please indicate if you agree or disagree with the average design flow given. If you disagree, please briefly explain your reason.

Average Design Flow 1.12 MGD (million gallons per day)

- ● I agree that the given flow is correct.
- ○ I disagree for the following reason:

NOTE: Contact your DNR representative regarding development of an industrial pretreatment program if your Average Design Flow exceeds 5 MGD or will do so in the next 5 years.

4. Influent Flow Monitoring and Sampling Devices

Influent Flow Monitoring Type & Age:

Magnetic Flow Meter, Installed in 2000

Influent Flow Monitoring Location: After bar screen, before grit removal

Influent Sampling Type: 24-Hr Comp

Influent Sampling Location: After bar screen, before grit removal

5. Service Area Information

5.1 List all governmental jurisdictions or private developments served by the treatment works (cities, villages, towns or sanitary districts), who own sewers in each of those entities and the approximate population of each entity

Entity Name	Who Owns Sewers	Approx Pop
City of Mayville	City of Mayville	5100
Kekoskee-Leroy Sanitary District	Village of Kekoskee & Town of Leroy	400

5.2 List sources of water supply serving the sewered service area (include any water supplies serving industrial contributors not connected to the municipal supply where it is located). Indicate approximate average flows and any chemical treatment (other than chlorine or fluoride) for each water supply.

Source Name	Flow (avg in	Chemical Treatment
City of Mayville	0.5	HMO at well #3 only
Village of Kekoskee/Town of Leroy	0.025	None

6. Have there been any collection system overflow or treatment plant bypass events in the last 5 years?

● Yes.

If yes, were the details of these incidences reported to the Department?

● Yes. If yes, continue to the next question.

○ No.

If no, provide detailed descriptions of the problems, using the 'Overflow/Bypass Form'. Submit a copy of the completed Overflow/Bypass form with the application attachments.

○ No. If no, continue to next question.

7. Contributors of Non-domestic Wastewater

7.1 Pretreatment Program -- Does the treatment works have, or is it subject to, an approved pretreatment program (flow greater than 5 MGD)?

○ Yes

If yes, record the date of program approval:

Also, record the number of industrial users of the following types:

Categorical Industrial Users

Record the number of Categorical Industrial Users that contribute wastewater to the treatment works:

Other significant Industrial Users

Record the number of other significant industrial users that contribute wastewater to the treatment works:

● No. If no, record the name(s) of industrial users of the types designated. If there are no users of a given type, enter 'None':

Name any Categorical Industrial User(s) (see list of categorical industry types in instructions) that contributes wastewater, other than sanitary wastewater, to the treatment facility (If none, enter none):

None

Name any Industrial user(s) that is not a categorical user but has been previously designated as a Significant Industrial User or contributes; 1) an average of 25,000 gallons per day or more of wastewater, excluding sanitary wastewater, noncontact cooling water and boiler blowdown or 2) a process waste stream that makes up 5% or more of the average dry weather hydraulic or organic capacity of the treatment facility (If none, enter none):

None

7.2 Potentially Toxic Discharges -- Name any industrial user(s) not included above that contributes wastewater from food processing, dairy operations (including condensate of whey), can cooling, meat packing or fish hatchery operation (If none, enter none):

Old Fashioned Foods (2), Seneca Foods

7.3 Wastes From Other Activities - Name other entities that contribute wastewater from any of the following activities (If none, enter none):

Groundwater Remediation or Other Remedial Cleanup: None

Discharges from Hazardous Waste Generators: None

Total Number of Non-domestic Contributors named above (enter 0 if none): 2

7.5 Detailed Contributor Information -- For each of the non-domestic contributors named in parts of question 7, complete a Detailed Non-Domestic Contributor Sheet. (If you operate a pretreatment program, you only need to provide this information for contributors named in parts 7.2 (Potentially Toxic Discharges) and 7.3 (Wastes From Other Activities))

Contributor Name	Contributor Address
Seneca Foods	500 S Clark Street Mayville, WI 53050
Old Fashioned Foods	650 Furnace Street Mayville, WI 53050 831 S Main Street Mayville, WI 53050

8. Hauled Wastes (check all wastes accepted and enter the average amount in gallons per day)

Sources	Monthly Average Amount (gallons per day)
☐ Domestic holding tank wastes	
☐ Septic tank waste	
☐ Grease trap/interceptor waste	
☐ Commercial Septage	
☐ Landfill leachate	
☐ Other	
☒ None of the above	

9. Schematic Diagram of Treatment System

Submit a schematic diagram of your wastewater treatment system with application attachments. Show all sample locations and treatment units and processes including any chemical addition or treatment. Also show plant recycle lines and sludge draw off points.

☒ The schematic diagram is prepared and will be submitted with the application attachments.

WPDES Permit Application

MAYVILLE WASTEWATER TREATMENT FACILITY

Last Updated: **01/03/2024** Permit No: **0024643-11-0**

Surface Water

Outfall: 001 - EFFLUENT

001-1. Receiving Water: East Branch Rock River

001-2. Outfall Location

Describe the outfall location (for example, east bank of Wisconsin River one-quarter mile down stream of Second Street bridge)

North bank of East Branch of Rock River, 50 feet east of the northern end of the bridge located at the intersection of Kekoskee and N Walnut Street.

001-3. Seasonal or Intermittent Discharges

Select one of the following options and provide the information requested.

- ● Discharge is year round.
- ○ Discharge is intermittent.

Describe the frequency, duration and flow rate of each discharge occurrence, except for storm water runoff and spillage or leaks:

- ○ Discharge is seasonal (specify dates).

#	Season start date	Season end date
None reported		

001-4. Effluent Flow Monitoring and Sampling Devices

Flow Monitoring Type & Age:

No effluent flow metering

Flow Monitoring Location: N/A

Effluent Sampling Type: 24-Hr Comp

Effluent Composite Sample Location: After Uv disinfection, before discharge at step aeration structure.

Effluent Grab Sample Location: After Uv treatment, before discharge from step aeration.

001-5. Phosphorus

Alternative Technology Based Effluent Limit OR Adaptive Management/Trading OR Variance: As of December 2010, Wisconsin's phosphorus rules, ch. NR 217 Wis. Adm. Code, were updated to include procedures for calculating water quality based effluent limits (WQBELs) for phosphorus in addition to the existing technology based limits of 1.0 mg/L and existing provisions for requesting an alternative technology-based phosphorus limit. Options available for phosphorus compliance (based on eligibility) are listed below.

If you wish to request an alternative technology-based phosphorus limit, please contact your DNR representative to determine if your facility is eligible. Should you decide to pursue an alternative technology-based phosphorus limit, please use the 'Alternative Phosphorus Effluent Limitation Request Checklist' and submit a copy with application attachments.

001-5.1 Alternative Technology Based Effluent Limit

Are you applying for an alternative technology-based phosphorus limitation?

- ○ Yes
- ● No

001-5.2 Adaptive Management/Water Quality Trading

If you wish to request either the Adaptive Management option to achieve the phosphorus water quality criteria per s. NR 217.18, Wis. Adm. Code, or the Water Quality Trading option per s. 283.84, Wis. Stats., please complete and submit the applicable form (see links below) with the application attachments.

'Watershed Adaptive Management Request form 3200-139'

'Notice to Conduct Water Quality Trading form 3400-206'

Are you requesting the Adaptive Management option or Water Quality Trading option to achieve phosphorus water quality compliance?

- o Yes
- ● No

001-5.3 Variance

PERMITTEES WITH A PHOSPHORUS WATER QUALITY BASED EFFLUENT LIMIT FOR AN EXISTING SOURCE: You may apply for a variance to the phosphorus water quality standard used to calculate the water quality based effluent limits per s. 283.15, Wis. Stats., (Variance, Form 3200-143) or per s. 283.16, Wis. Stats., (Multi-Discharger Variance, Form 3200-150).

To apply for the phosphorus variance, please use the applicable form (see links below) and submit with application attachments.

'Phosphorus Variance Application for Municipal Facilities form 3400-143'

'Phosphorus Multi-Discharge Variance Application form 3200-150'

Are you applying for a Phosphorus variance?

- o Yes
- ● No

001-6. Biological Toxicity Data

In the last five years, have any biological tests for acute or chronic toxicity been made on the discharge from this outfall or on the receiving water for this outfall?

- ● Yes

If yes, provide all test dates and types below. Also, submit to the Department test results for those tests not previously submitted.

#	Test Date	Test Type
1	10/1/2023	Both
2	9/20/2022	Chronic
3	1/8/2023	Chronic
4	11/18/2022	Chronic
5	8/23/2022	Chronic
6	7/12/2022	Both
7	6/14/2022	Chronic
8	5/17/2022	Chronic
9	4/19/2022	Chronic
10	3/22/2022	Chronic
11	2/22/2022	Chronic
12	1/25/2022	Chronic
13	12/1/2021	Chronic
14	10/12/2021	Chronic
15	11/9/2021	Chronic
16	4/20/2021	Both
17	9/8/2020	Chronic
18	03/24/2020	Both

○ No

001-7. Chloride Variance

If your current permit contains a chloride variance and you wish the variance to continue, you must re-apply. If your effluent chloride concentration approaches or exceeds 1500 mg/L as a daily maximum (or 395 as a weekly average, if you discharge to a very low-flow stream) you may have trouble meeting effluent chloride limits. You may apply for a chloride variance under ch. NR 106, subchapter IV, Wis. Adm. Code.

To apply, use the 'Chloride Variance Application Form 3400-193' and submit with the application attachments.

Are you applying for a chloride variance?

● Yes
○ No

001-8. Mercury Variance

001-8.1 If your effluent mercury concentration approaches or exceeds 1.3 ng/L as a monthly average, and you discharge net quantities of mercury, you may have trouble meeting water quality based effluent limits for mercury. You may apply for a mercury variance (alternative mercury effluent limitation) under section NR 106.145, Wisconsin Administrative Code. To apply for a variance, use the 'Mercury Variance Application Form 3400-192' and submit with the application attachments.

Are you applying for a mercury variance?

○ Yes
● No

001-9. Temperature - Dissipative Cooling (DC) or Alternative Effluent Limit (AEL)

Options available for temperature compliance (as applicable) are listed below:

001-9.1 Dissipative Cooling Request - The Department may account for dissipative cooling of the POTW's effluent in determining the need for sub-lethal temperature limits, upon request by the POTW per s. NR 106.59(4) or s. NR 106.59(6), Wis. Adm. Code. Are you applying for a dissipative cooling request?

○ Yes

If yes, please complete the 'Dissipative Cooling Request Form' and submit with the application attachments.

● No

001-9.2 Continued Consideration of Dissipative Cooling - If your current permit does not include sub-lethal temperature limits due to recognition of dissipative cooling (DC) you may request continued consideration of DC. Are you requesting continued consideration of DC in accordance with s. NR 106.59(8), Wis. Adm. Code?

○ Yes

By selecting 'yes' you are certifying that there have been no substantive changes in operations or loadings since the previous permit application and you certify that any new information generated during the current permit is consistent with the previous permit application.

● No

001-9.3 Temperature Alternative Effluent Limit (AEL) - An application for an alternative effluent limitation may be submitted by the permittee if the facility is subject to effluent temperature limitations per s. NR 106.72, Wis. Adm. Code. The application for an AEL shall include a demonstration that the effluent temperature limitations are more stringent than necessary to assure protection of aquatic life. Are you applying for an alternative effluent temperature limit per s. NR 106.72, Wis. Adm. Code?

○ Yes

If yes, please complete the 'Notice of Application for an Alternative Effluent Limit for Temperature' and submit with the application attachments.

● No

001-10. Variance to a Water Quality Standard and/or Water Quality Trading

001-10.1 Request for a Variance to a Water Quality Standard - If it is your intent to apply for a variance to any water quality standard not referenced above please refer to the DNR web page for variances at: 'http://dnr.wisconsin.gov/topic/wastewater/variances.html'

001-10.2 Request for Water Quality Trading - If it is your intent to use Water Quality Trading to demonstrate compliance with a water quality based effluent limitation, please refer to the DNR web page for trading at: 'http://dnr.wisconsin.gov/topic/wastewater/waterqualitytrading.html'

001-11. Discharge Monitoring Reporting (DMR) Information

Select one and give details, if appropriate.

○ This is a first-time permit application for an outfall that does not yet have a discharge.

● I believe that data previously reported on DMRs for this outfall for the last 36 months are representative of the effluent quality.

○ Certain portions of the data previously reported on DMRs for this outfall for the last 36 months are not representative of the effluent quality. The data (give specific dates or date ranges) and the reasons for them not being representative are as follows:

001-12 Additive Totals

Provide the number of biocides, water quality conditioners and process additives that you add to the waters discharged from this outfall. If zero, enter 0.

0 Biocides (chlorine and other halogens, fungicides, algicides, herbicides, bacterial control chemicals, etc.)

0 How many of the biocides are used less frequently than once in any four day period?

1 Water Quality Conditioners (water and wastewater treatment chemicals including scale and corrosion inhibitors, chemical conditioning agents, pH adjustment chemicals, dechlorination chemicals, alum, ferric chloride, ferrous sulfate or chloride polymers, ammonia, phosphorus, defoamers, etc.)

0 How many of the water quality conditioners are used less frequently than once in any four day period?

0 Process additives (dyes, non-biocide cleaners, surfactant-based detergents, etc.)

0 How many of the process additives are used less frequently than once in any four day period?

Out of the additives included above, submit the most recent available SDS, an additive review worksheet, and the additives grid (Item 13.) for all additives which:

(1) may enter a surface water without receiving treatment; or

(2) are used in a treatment process, are not expected to be removed by wastewater treatment, and may contribute to effluent toxicity

Exception: No SDS or additive review worksheet is required for additives solely comprised of chlorine, caustic soda (sodium hydroxide), hypochlorite, sulfuric acid, or hydrochloric acid. However, these additives should be included on the additive grid.

001-13 Additives

Fill out the additives grid at the bottom of this item for all additives associated with the discharge. An additive review is necessary for substances that may enter surface water without receiving wastewater treatment or substances that are used in a treatment process but are not expected to be removed by wastewater treatment and may contribute to effluent toxicity. Chemicals used in an industrial process generating wastewater that eventually receives treatment or chemicals added as part of a wastewater treatment process (such as ferric chloride, alum or pickle liquor) do not require an additive review.

For each additive which may be present in the discharge:

- Submit a copy of the 'Additive Review Worksheet' by submiting a copy with application
- Submit the most recent available SDS by submiting a copy with application attachments.

Examples of water treatment additives include biocides such as microbicides, fungicides, molluscicides, etc. and water quality conditioners such as scale and corrosion inhibitors, pH adjustment chemicals, oxygen scavengers, conditioning agents, water softening compounds, etc.

An SDS and the Additive Review Worksheet are not required for additives with active ingredients consisting only of chlorine, hypochlorite, sulfuric acid, hydrochloric acid or sodium hydroxide. Please only describe these additives on the Additives Grid.

For more information on the additive review process, see the 'Additives Internet Page'.

☒ The required Additive Review Worksheets and SDSs are submited with the application attachments.

Fill out the additives grid for each additive associated with the discharge even if it is removed and not ultimately discharged to surface water:

Additives for Outfall 001

WPDES Permit Application

MAYVILLE WASTEWATER TREATMENT FACILITY

Last Updated: **01/03/2024** Permit No: **0024643-11-0**

Name	Manufacturer	Purpose of Additive	Intermittant or Continuous Feed	Frequency of		Maximum Quantity Used	Average Quantity Used	conc. of Additive at the outfall
				months /year	days /week			
Neo Water FX	Neo Water Treatment	Phosphorus Reduction	C	12	7	7	5	

001-14 Required Effluent Monitoring for Outfall 001

You may not be required to provide monitoring results of this outfall discharge. Indicate if one of the following conditions apply, please show which one applies and leave all or parts of the monitoring table blank.

- ● I am required to provide monitoring results.
- ○ I am NOT required to provide monitoring results because one of the following conditions apply.
  - ○ I have two or more outfalls that discharge substantially identical wastewaters and I have received permission by contacting the responsible DNR staff person to only sample one of them. I am providing results for another substantially identical outfall.
  - ○ This is a first-time permit application for a facility that does not yet have a discharge.
  - ○ This outfall is no longer in use.
  - ○ This outfall has a seasonal discharge that I was unable to sample prior to submitting the application. I will take the required samples once discharge resumes and send in the results as soon as possible.
  - ○ I have received instructions in the application notification letter that I am exempt from certain standard monitoring requirements.
  - ○ I have received instructions in the application notification letter that I may submit alternative copies of the test results. I will submit them with application attachments.

Monitoring Results for Outfall 001

Parameter Name	Sample Result	Units	QC Flag	LOD	LOQ	Analytical Method	Sample Collect Date	Sample Type	Lab ID
Common Pollutants									
Copper, Total Recoverable	8.9	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-10-18	24 HR FLOW PROP	721026460
	8.4	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-10-27	24 HR FLOW PROP	721026460
	8.5	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-10-31	24 HR FLOW PROP	721026460
	9.1	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-11-03	24 HR FLOW PROP	721026460
	8.1	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-11-07	24 HR FLOW PROP	721026460
	8.6	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-11-10	24 HR FLOW PROP	721026460
	6.6	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-11-14	24 HR FLOW PROP	721026460
	7.2	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-11-17	24 HR FLOW PROP	721026460
	7.3	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-11-22	24 HR FLOW PROP	721026460
	7.0	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-11-27	24 HR FLOW PROP	721026460
	6.8	ug/L		1.9	6.5	EPA 200.7, Rev 4.4	2023-10-24	24 HR FLOW PROP	721026460
Metals, Cyanide, Hardness and Phenols									
Antimony, Total Recoverable	0.35	ug/L	Y	0.32	1.1	EPA 200.8, Rev 5.4	2023-10-24	24 HR FLOW PROP	721026460
Arsenic, Total Recoverable	<1.1	ug/L		1.1	3.7	EPA 200.8, Rev 5.4	2023-10-24	24 HR FLOW PROP	721026460
Beryllium, Total Recoverable	<0.14	ug/L		0.14	0.47	EPA 200.7, Rev 4.4	2023-10-24	24 HR FLOW PROP	721026460
Cadmium, Total Recoverable	<0.19	ug/L		0.19	0.61	EPA 200.7, Rev 4.4	2023-10-24	24 HR FLOW PROP	721026460
Chromium +6	2.4	ug/L	Y	0.52	1.7	3500-Cr-B-2009	2023-10-24	GRAB	721026460
Chromium, Total Recoverable	1.4	ug/L		1.1	3.8	EPA 200.7, Rev 4.4	2023-10-24	24 HR FLOW PROP	721026460
Cyanide, Total	<0.011	ug/L		0.011	0.036	4500-.CN-E-1999	2023-10-24	GRAB	721026460
Cyanide, Amenable	<0.011	ug/L		0.011	0.036	4500-CN-G-1999	2023-10-24	GRAB	721026460

Lead, Total Recoverable	<4.3	ug/L		4.3	14	EPA 200.7, REV 4.4	2023-10-24	24 HR FLOW PROP	721026460
Nickel, Total Recoverable	1.6	ug/L	Y	1.2	3.9	EPA 200.7, REV 4.4	2023-10-24	24 HR FLOW PROP	721026460
Selenium, Total Recoverable	<1.0	ug/L		1.0	3.3	EPA 200.8, REV 5.4	2023-10-24	24 HR FLOW PROP	721026460
Silver, Total Recoverable	1.3	ug/L	Y	0.81	2.7	EPA 200.7, REV 4.4	2023-10-24	24 HR FLOW PROP	721026460
Thallium, Total Recoverable	<0.76	ug/L		0.76	2.5	EPA 200.8, REV 5.4	2023-10-24	24 HR FLOW PROP	721026460
Zinc, Total Recoverable	11	ug/L	Y	5.7	19	EPA 200.7, REV 4.4	2023-10-24	24 HR FLOW PROP	721026460
Hardness, Total as CaCO3	390	mg/L				EPA 200.7. REV 4.4	2023-10-24	24 HR FLOW PROP	721026460
	350	mg/L				EPA 200.7. REV 4.4	2023-10-18	24 HR FLOW PROP	721026460
	380	mg/L				EPA 200.7. REV 4.4	2023-10-27	24 HR FLOW PROP	721026460
	400	mg/L				EPA 200.7. REV 4.4	2023-10-31	24 HR FLOW PROP	721026460
Phenols, Total	0.052	ug/L	Y	0.045	0.15	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Volatile Organics									
Acrolein	<2.7	ug/L		2.7	9.1	EPA 624	2023-10-24	GRAB	721026460
Acrylonitrile	<1.3	ug/L		1.3	4.3	EPA 624	2023-10-24	GRAB	721026460
Benzene	<0.090	ug/L		0.090	0.30	EPA 624	2023-10-24	GRAB	721026460
Dichlorobromo- methane (bromo-dichloromethane)	<0.11	ug/L		0.11	0.35	EPA 624	2023-10-24	GRAB	721026460
Bromoform	<0.21	ug/L		0.21	0.70	EPA 624	2023-10-24	GRAB	721026460
Carbon tetrachloride	<0.16	ug/L		0.16	0.52	EPA 624	2023-10-24	GRAB	721026460
Chlorobenzene	<0.14	ug/L		0.14	0.46	EPA 624	2023-10-24	GRAB	721026460
Chlorodibromo-methane	<0.11	ug/L		0.11	0.35	EPA 624	2023-10-24	GRAB	721026460
Chloroethane	<0.39	ug/L		0.39	1.3	EPA 624	2023-10-24	GRAB	721026460
Chloroform	<0.10	ug/L		0.10	0.35	EPA 624	2023-10-24	GRAB	721026460
1,3-Dichloropropylene	<0.12	ug/L		0.12	0.40	EPA624	2023-10-24	GRAB	721026460
1,2-Dichloro- benzene	<0.11	ug/L		0.11	0.38	EPA 624	2023-10-24	GRAB	721026460
1,3-Dichloro- benzene	<0.11	ug/L		0.11	0.38	EPA 624	2023-10-24	GRAB	721026460
1,4-Dichloro- benzene	<0.12	ug/L		0.12	0.41	EPA 624	2023-10-24	GRAB	721026460
1,1-Dichloro- ethane	<0.14	ug/L		0.14	0.46	EPA 624	2023-10-24	GRAB	721026460
1,2-Dichloro- ethane	<0.11	ug/L		0.11	0.38	EPA 624	2023-10-24	GRAB	721026460
1,1-Dichloro- ethylene	<0.097	ug/L		0.097	0.32	EPA 624	2023-10-24	GRAB	721026460
1,2-trans Dichloroethylene	<0.12	ug/L		0.12	0.40	EPA 624	2023-10-24	GRAB	721026460
1,2-Dichloropropane	<0.15	ug/L		0.15	0.49	EPA 624	2023-10-24	GRAB	721026460
2-Chloroethyl vinyl ether	<0.48	ug/L		0.48	1.6	EPA 624	2023-10-24	GRAB	721026460
Ethylbenzene	<0.095	ug/L		0.095	0.32	EPA 624	2023-10-24	GRAB	
Methyl bromide	<0.36	ug/L		0.36	1.2	EPA 624	2023-10-24	GRAB	721026460
Chloromethane	<0.24	ug/L		0.24	0.79	EPA 624	2023-10-24	GRAB	721026460
Methylene chloride	<0.14	ug/L		0.14	0.47	EPA 624	2023-10-24	GRAB	721026460
1,1,2,2-Tetrachloro- ethane	<0.17	ug/L		0.17	0.58	EPA 624	2023-10-24	GRAB	721026460
Tetrachloroethylene	<0.17	ug/L		0.17	0.58	EPA 624	2023-10-24	GRAB	721026460
Toluene	<0.13	ug/L		0.13	0.45	EPA 624	2023-10-24	GRAB	721026460
1,1,1-Trichloro- ethane	<0.12	ug/L		0.12	0.40	EPA 624	2023-10-24	GRAB	721026460
1,1,2-Trichloro- ethane	<0.18	ug/L		0.18	0.59	EPA 624	2023-10-24	GRAB	721026460
Trichloro- ethylene	<0.12	ug/L		0.12	0.39	EPA 624	2023-10-23	GRAB	721026460
Vinyl chloride	<0.19	ug/L		0.19	0.63	EPA 624	2023-10-24	GRAB	721026460
Acid Extractable Compounds (Phenols)									
2-Chlorophenol	<0.072	ug/L		0.072	0.24	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
2,4-Dichlorophenol	<0.085	ug/L		0.085	0.28	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
2,4-Dimethyl- phenol	<0.12	ug/L		0.12	0.40	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
2,4-Dinitrophenol	<0.095	ug/L		0.095	0.31	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
P-Chloro-m-Cresol (3-methyl-4-chlorophenol)	<0.10	ug/L		0.10	0.33	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
2-Methyl-4,6- dinitrophenol	<0.46	ug/L		0.46	1.5	EPA 625	2023-10-24	24 HR FLOW PROP	721026460

2-Nitrophenol	<0.11	ug/L		0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
4-Nitrophenol	<0.20	ug/L		0.20	0.68	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Pentachloro- phenol	<0.75	ug/L		0.75	2.5	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Phenol	0.052	ug/L	Y	0.045	0.15	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
2,4,6-Trichloro- phenol	<0.11	ug/L		0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Base/Neutral Compounds									
Acenaphthene	<0.020	ug/L		0.020	0.068	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Acenaphthylene	<0.011	ug/L		0.011	0.040	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Benzidine	<0.68	ug/L		0.68	2.3	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Bis(2-Chloroethoxy) methane	<0.084	ug/L		0.084	0.28	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Bis(2-Chloroethyl)ether	<0.11	ug/L		0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Bis(2-Chloroisopropyl) ether	<0.079	ug/L		0.079	0.26	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Bis(2-Ethylhexyl) phthalate	<0.55	ug/L		0.55	1.8	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
4-Bromophenyl-plenyl ether	<0.10	ug/L		0.10	0.33	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Butyl benzyl phthalate	<0.18	ug/L		0.18	0.61	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
2-Chloronaphthalene	<0.081	ug/L		0.081	0.27	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
4-Chloro-phenyl-phenyl ether	<0.075	ug/L		0.075	0.25	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
3,3'-Dichlorobenzidine	<0.15	ug/L		0.15	0.51	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Diethyl phthalate	0.31	ug/L	Y	0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Dimethyl phthalate	<0.085	ug/L		0.085	0.28	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Di-n-butyl phthalate (dibutyl phthalate)	<0.23	ug/L		0.23	0.78	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
2,4-Dinitro- toluene	<0.078	ug/L		0.078	0.26	E[A 625	2023-10-24	24 HR FLOW PROP	721026460
2,6-Dinitro- toluene	<0.078	ug/L		0.78	0.26	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Di-n-octyl phthalate	<0.56	ug/L		0.56	1.8	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
1,2-Diphenylhydrazine	<0.085	ug/L		0.085	0.28	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Hexachloroethane	<0.11	ug/L		0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Isophorone	<0.092	ug/L		0.092	0.30	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
N-Nitrosodimethyl-amine	<0.054	ug/L		0.054	0.18	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
N-Nitrosodiphenyl-amine	<0.094	ug/L		0.094	0.31	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
N-Nitrosodi-n-propylamine	<0.083	ug/L		0.083	0.27	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Naphthalene	<0.028	ug/L		0.028	0.091	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Nitrobenzene	<0.075	ug/L		0.075	0.25	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
1,2,4-Trichloro- benzene	<0.11	ug/L		0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Hexachlorobenzene	<0.42	ug/L		0.42	1.4	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Hexachlorobutadiene	<0.11	ug/L		0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Hexachlorocyclo-pentadiene	<0.085	ug/L		0.085	0.28	EPA 625	2023-10-24	24 HR FLOW PROP	721026460

Anthracene	<0.10	ug/L		0.10	0.33	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Benzo(a)anthracene	<0.086	ug/L		0.086	0.28	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Benzo(a)pyrene	<0.096	ug/L		0.096	0.32	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Benzo(b)fluoranthene	<0.11	ug/L		0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Benzo(ghi)perylene	<0.14	ug/L		0.14	0.47	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Benzo(k)fluoranthene	<0.11	ug/L		0.11	0.37	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Chrysene	<0.39	ug/L		0.39	1.3	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Dibenzo(a,h)-anthracene	<0.15	ug/L		0.15	0.51	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Fluoranthene	<0.12	ug/L		0.12	0.40	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Fluorene	<0.088	ug/L		0.088	0.29	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Indeno(1,2,3-cd)-pyrene	<0.15	ug/L		0.15	0.51	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Phenanthrene	<0.093	ug/L		0.093	0.31	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Pyrene	<0.079	ug/L		0.079	0.26	EPA 625	2023-10-24	24 HR FLOW PROP	721026460
Pesticides									
Aldrin	<0.0039	ug/L		0.0039	0.013	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
BHC, alpha	<0.0046	ug/L		0.0046	0.015	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
BHC, beta	<0.0080	ug/L		0.0080	0.027	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
BHC, delta	<0.0035	ug/L		0.0035	0.012	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
BHC, gamma (Lindane)	<0.0038	ug/L		0.0038	0.013	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Chlordane	<0.046	ug/L		0.046	0.15	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
4,4'-DDT	<0.0070	ug/L		0.0070	0.023	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
4,4'-DDE	<0.0045	ug/L		0.0045	0.015	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
4,4'-DDD	<0.0043	ug/L		0.0043	0.014	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Dieldrin	<0.0021	ug/L		0.0021	0.0071	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Endosulfan alpha	<0.0019	ug/L		0.0019	0.0064	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Endosulfan beta	<0.0041	ug/L		0.0041	0.014	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Endosulfan sulfate	<0.0023	ug/L		0.0023	0.0075	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Endrin	<0.0031	ug/L		0.0031	0.010	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Endrin aldehyde	<0.0026	ug/L		0.0026	0.0085	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Heptachlor	<0.0099	ug/L		0.0099	0.033	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Heptachlorepoxide	<0.0046	ug/L		0.0046	0.015	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
Toxaphene	<0.18	ug/L		0.18	0.61	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
PCB 1016	<0.093	ug/L		0.093	0.31	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
PCB 1221	<0.14	ug/L		0.14	0.47	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
PCB 1232	<0.090	ug/L		0.090	0.30	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
PCB 1242	<0.10	ug/L		0.10	0.33	EPA 608	2023-10-24	24 HR FLOW PROP	721026460

PCB 1248	<0.13	ug/L		0.13	0.44	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
PCB 1254	<0.051	ug/L		0.051	0.17	EPA 608	2023-10-24	24 HR FLOW PROP	721026460
PCB 1260	<0.076	ug/L		0.076	0.25	EPA 608	2023-10-24	24 HR FLOW PROP	721026460

001-15 Additional Values

Permittees are required to monitor and record results in the attached Monitoring Grid for each substance listed for each municipal major outfall. If you test any parameter more frequently than indicated by the number of rows in the Grid, use the Additional Values Grid to report the results. See Table 1 of the instructions for appropriate sample types, recommended analytical methods and proper sample preservation and holding times. All samples should be representative of normal operating conditions.

Additional Monitoring Results for Outfall 001

Parameter Name	Sample Result	Units	QC Flag	LOD	LOQ	Analytical Method	Sample Collect Date	Sample Type	Lab ID
None reported									

Land Application

Outfall: 002 - SLUDGE

002-1. Existing Sludge Generating Units (check all that apply)

- ☐ Flow Equalization
- ☐ Two Stage-Activated Sludge
- ☐ Coagulation/Flocculation
- ☐ Screening
- ☐ Sequencing Batch Reactor
- ☐ Contact Stabilization
- ☐ Comminution
- ☐ Fill and Draw
- ☐ Grit Chamber
- ☐ Chemical Precipitation
- ☐ Aerated Grit Chamber
- ☐ Phosphorous Removal-Biological
- ☐ Primary Clarification
- ☐ Phosphorous Removal-Alum
- ☐ Conventional-Activated Sludge
- ☐ Phosphorous Removal-Ferric Chloride
- ☐ Extended Aeration
- ☐ Phosphorous Removal-Ferric Sulfate
- ☐ Oxidation Ditch
- ☒ Secondary Clarification
- ☐ Pure Oxygen
- ☐ Rotating Biological Contractors
- ☐ Septic Tank ==> When was septage last removed?
- ☐ Polishing Pond ==> When was sludge last removed?
- ☐ Aerated Lagoon ==> When was sludge last removed?
- ☐ Stabilization Pond ==> When was sludge last removed?
- ☐ Other (Specify)

002-2. Sludge Production

Estimate annual sludge production and method of disposition for this outfall. Check all that apply and specify amounts in dry U.S. tons. (See instructions for conversion formulas, if necessary)

- ☒ Sludge that you estimate will be generated: 133 (dry U.S. tons)
- ☐ Sludge to be landfilled: (dry U.S. tons)
- ☐ Sludge to be land applied: (dry U.S. tons)
- ☒ Sludge to be hauled to another facility: 133 (dry U.S. tons)
- ☐ Sludge to be distributed or land applied as Exceptional Quality (EQ) sludge: (dry U.S. tons)
- ☒ Other (explain in box): 0 (dry U.S. tons)

Calculated as an average 1.2% solids. Treatment facility planning in progress to increase percent solids and add proper solids storage to increase settling ability and have an adequate decant process.

☐ Do not produce sludge (explain)

002-3. Screenings and Grit Disposal

Will screenings and grit be disposed at a sanitary landfill?

- ● Yes. If yes, identify the landfill and provide the license number below:
- ○ No. Screenings and grit are not disposed of at a sanitary landfill. If no, explain why not in the space below.
- ○ No screenings or grit are generated.

002-4. Sludge Storage

002-4.1 Is sludge storage provided?

- ● Storage is provided
  - ☒ On-Site
  - ☐ Off-Site - Self Owned
  - ☐ Off-Site - Contracted (provide the information requested below)
- ○ No storage is provided

002-4.2 How many days of sludge storage are provided for this outfall? (If none, enter 0)

4 Days

002-4.3 Estimate the capacity of all sludge storage facilities. (Answer at least one)

48000 gallons

cubic yards

dry U.S. tons

002-4.4 Select sludge type that is being stored:

- ● Liquid
- ○ Cake
- ○ Both
- ○ None

002-4.5 If no storage is provided or if less than 180 days of storage for this outfall is provided, please indicate why:

- ☒ Sludge storage is in planning or construction stage
- ☐ Have treatment lagoon system
- ☐ Sludge is landfilled
- ☐ Sludge is incinerated
- ☒ Sludge is hauled to another permitted facility (provide the information requested below)

Facility Name: Village of Kewaksum

WPDES Permit No: 0021733

FID No: 267003330

- ☒ Other (explain)

Overflow or secondary storage provided by Badger State Waste DNR ID # 0065510

002-5. Sludge Transportation

Who will haul the sludge to the disposal site for this outfall? (Check all that apply)

- ☐ Plant Personnel
- ☒ Contract Hauler (provide the information requested below)

Business Name Badger State Waste

☐ Other (specify)

002-6. Sludge Treatment & Thickening Prior to Final Disposition

002-6.1 Treatment (check all that apply)

☒ Aerobic Digestion
☐ Anaerobic Digestion
☐ Air Drying (Drying Beds)
☐ Composting w/yard waste (class B)
☐ Composting w/msw or other (class B)
☐ Alkaline Stabilization (class B)
☐ PSRP Equivalent
☐ Temp/Time based on %Solids
☐ Alkaline Stabilization (class A)
☐ Prior test for enteric virus/viable ova
☐ Post test for enteric virus/viable ova
☐ Composting w/yard waste (class A)
☐ Other (please specify)
☐ Composting w/msw or other (class A)
☐ Heat Drying
☐ Heat Treatment
☐ Autothermophilic Aerobic Digestion (ATAD)
☐ Beta Ray irradiation
☐ Gamma Ray irradiation
☐ Pasteurization
☐ PFRP Equivalent
☐ Hauled to other facility
☐ Lagoon system
☐ Reed Beds

002-6.2 Thickening (check all that apply)

☐ Gravity Thickening Tank
☐ Pressure Filter
☐ Belt Press
☐ Drying Beds
☐ Gravity Belt Thickener
☐ Other (please specify)
☐ Dissolved air floatation (DAF or AFT)
☐ Plate Press
☐ Vacuum Filter
☐ Centrifuge
☒ None

002-7. Sludge/Biosolids Use and Disposal

How do you plan to use/dispose of your sludge/biosolids for this outfall? (Check all that apply)

☐ Land Application
☒ Haul to other permitted facility
☐ Exceptional Quality Bulk
☐ Exceptional Quality Bag
☐ Other (please specify)
☐ Landfill
☐ Incinerate
☐ Lagoon - Do not plan to dispose of sludge this permit term

002-8. Sludge Sample Analysis

Where do you or will you collect your sludge sample for analysis?

Sludge Holding Tank

002-9. Pathogen Control

What level of pathogen control do you achieve? (per s. NR 204.07(6), Wis. Adm. Code)

o Class A

What organism do you test for compliance in addition to treatment?

- o Fecal Coliform
- o Salmonella

o Class B

How do you show compliance?

- o Fecal Coliform
- o Process control as indicated above in item 6.1
- o Both

● Do not land apply

002-10. Vector Control

What option do you use to satisfy vector control requirements? (per s. NR 204.07(7), Wis. Adm. Code)

- ☐ Volatile Solids Reduction
- ☐ Aerobic Composting Process
- ☐ Aerobic SOUR Test
- ☐ pH Adjustment of Sludge
- ☐ Aerobic Bench Scale
- ☐ Injection when land applied
- ☐ Anaerobic Bench Scale
- ☐ Incorporation when land applied
- ☐ Drying With Unstabilized Solids
- ☐ Approved Equivalent Process
- ☐ Drying With Stabilized Solids
- ☒ Do not land apply

002-11. Ceiling Limits

Did you satisfy all ceiling limit concentrations throughout your last permit term? (per s. NR 204.07(5)(a), Wis. Adm. Code)

- ● Yes
- o No

If no, what pollutants exceeded the ceiling limits and what, if any steps were taken to address the source?

o Did not monitor

002-12. High Quality Limits

Did you satisfy all high quality pollutant concentrations throughout your last permit term? (per s. NR 204.07(5)(c), Wis. Adm. Code)

- ● Yes
- o No

If no, what pollutants exceeded the high quality limits and what, if any steps were taken to address the source?

o Did not monitor

002-13. Exceptional Quality Biosolids

Do you produce exceptional quality biosolids? (per s. NR 204.07(4)(a), Wis. Adm. Code)

- o Yes
- o No
- ● Not Applicable

NOTE: Please notify the Department of Natural Resources of any changes in facilities and/or operations as described in this section of the application.

WPDES Permit Application

MAYVILLE WASTEWATER TREATMENT FACILITY

Last Updated: **01/03/2024**

Permit No: **0024643-11-0**

Comments

1. Additional Comments (if none write none)

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Chloride Variance Application

Form 3400-193 (R 08/14)

Please find the mailing address for the DNR location nearest you by visiting our website
http://dnr.wi.gov/Contact/SSbyCity.html

Notice: Information requested is required for the Department to determine whether or not to grant a variance under the provisions of sections NR 106.80 through 106.96, Wis. Adm. Code. Failure to provide all of the requested information may result in denial of your application. Personal information collected will be used to administer the watershed program and may be provided to requesters as required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]

Applicant Information

Company Name			Contact Name		
City of Mayville			Courtney Steger		
WPDES Permit No.			Street Address		
WI-0024643-10-1			15 S School Street		
Facility Name			City	State	ZIP Code
City of Mayville			Mayville	WI	53050
Street Address			Telephone Number (include area code)	FAX Number	
400 Kekoskee Street			(920) 387-7906		
City	State	ZIP Code	E-mail Address		
Mayville	WI	53050	csteger@mayvillecity.com		
Receiving Water			Average Discharge Flow Rate		
E Branch Rock River, UR13, Upper Rock River Basin, Dodge County			55 GPM		

Capital Cost

Have you done a study to determine the capital cost of end-of-pipe chloride removal for your facility?

- ○ Yes - Please include the information with this worksheet or mail it with the signature portion of the permit application.
- ◉ No - Please complete this estimate of relative capital cost:

Chloride Removal Capital Cost:

$1.125 x Annual Average Design Flow (in MGD) X 1,000,000 = 1,260,000

Chloride Removal as a Percentage of Annual Capital Cost:

$$\frac{\text{Chloride Removal Capital Cost } \textit{(from above)}}{\text{Capital Cost of Current Wastewater Facility}} \times 100 = 77\ \%$$

Operational (O&M) Cost Based on the Cost Estimate

Have you done a study to determine the annual O & M cost of end-of-pipe chloride removal for your facility?

- ○ Yes - Please include the information with this worksheet or mail it with the signature portion of the permit application.
- ◉ No - Please complete this estimate of relative O&M cost:

Chloride Removal O&M Cost:

($1.00 x Annual Average Design Flow (in MGD) x 1000 x 365) = $459,900

Chloride Removal as a Percentage of Annual O&M Cost:

$$\frac{\text{Chloride Removal O\&M Cost } \textit{(from above)}}{\text{O\&M Costs of Current Wastewater Facility}} \times 100 = 56\ \%$$

Treatment Facility Information

Do you know of a facility that could accept the concentrated brine solution that would result from end-of-pipe chloride treatment? ○ Yes / ◉ No

If yes, Name of Facility _____

The information in the following questions is requested to assist the permittee and the Department in determining appropriate effluent values or limitations, compliance schedules and source reduction measures.

Sample Information

Have you sampled at least eleven effluent samples for chloride over the course of at least a year? ◉ Yes / ○ No

For Municipalities Only	Yes	No
a) Have you identified industrial contributors of chloride to your sewer system?	◉	○
b) Have you requested voluntary reductions of chloride from any industrial users to your sewer system?	◉	○
c) Have you instituted sewer use ordinances regulating or limiting the discharge of chloride from significant industrial users?	○	◉
d) Does your community have centralized softening of source water through a water utility?	○	◉
e) Have you determined typical concentrations of chloride from domestic users of your sewer system?	◉	○
f) Does your community implement a public information program on proper maintenance and improved efficiency of residential softeners?	◉	○
g) Have you implemented local ordinances to mandate the use of efficient softeners?	◉	○

For Industry Only	Yes	No
a) Is privately softened water, use of brine, or use of salt integral to your production process?	○	○
b) Do you operate a private softener for your industrial process?	○	○
c) Have you optimized operation of your water softener (adjustment of regeneration interval, salt dosage, replacement of backwash controller)?	○	○
d) Have you determined which industrial processes can be run without softened water?	○	○
e) Have you implemented practices to reduce or reuse any brine solutions or softened water in your industrial process?	○	○
f) Have you implemented housekeeping practices to reduce spillage of any brine solutions, or to minimize the contribution of salt to the wastewater treatment system?	○	○

Please list any contributors to the POTW in the following categories: (For industrial permittees, skip to the certification section.)

Food processors (cheese, vegetables, meat, pickles, soy sauce, etc.)
Seneca Foods- 500 S Clark Street
Old Fashioned Foods- 650 Furnace Street, 331 S Main Street

Metal Plating/Metal Finishing

Car Washes
Mayville Car Wash- 1133 Horicon Street
Superwash of Mayville- 801 N Main Street

Municipal Maintenance Sheds (salt storage, truck washing, etc.)

Laundromats
Olde Tyme Cleaners- 925 Horicon Street

Other presumed commercial or industrial chloride contributors to the POTW

Additional Information or Comments
Measures have been taken in regards to public information materials. Letters to industrial customers have been sent proposing fee structure changes and encouraging source reduction measures prior to any fee implementation. We have recently approved a partnership with Culligan Water incentivizing source reduction measures with a discount for on-demand water softener replacement and free inspection services. Mayville utilities proposes a seasonal variance for June-October to accomodate industrial strength from Seneca Foods as we continue residential and commercial reduction measures.

Certification

Based on the information provided, I believe that attainment of the applicable water quality standards for chloride may cause substantial and widespread adverse social and economic impacts in the area where this discharge is located. I understand that, as a condition of the variance, the Department and the permittee will need to agree upon an interim effluent limitation, a target value or target limitation, and a compliance schedule to implement source reduction. I understand that these conditions will be included in the WPDES permit issued to this facility. I certify that the information provided is true, accurate and complete.

Individual Submitting Request (Individual must be an Authorized Representative)	Title

Signature of Official _____ Date Signed _____

Additive Review Worksheet

This worksheet summarizes the information to be submitted to the WDNR for review of additives. This information is required because additives are approved on a case-by-case basis.

The fields highlighted in orange are required for all additive reviews and are NOT typically found on a safety data sheet (SDS).
The fields highlighted in blue are required for all additive reviews and are typically found on a SDS.
Parts D and E need to be completed **for each species** (e.g. Daphnia -water flea); Pimephales (fathead minnow), etc) for which a toxicity test is conducted.
The fields highlighted in green are NOT typically found on a SDS and are required for toxicity tests conducted when "Other" is selected for Test Method in Part D-1.

If all of the needed information is not provided on the SDS, It is recommended that you contact the chemical distributor and/or manufacturer to obtain the required information. You do not need to conduct the toxicity test if the toxicity information is available on SDS or from the supplier/manufacturer. If the required toxicity data is not provided to the Department, the additive product may not be approved for use.

Note: Toxicity test results must address the ***commercial product formulation***. The commercial product formulation is all active ingredients and any and all carriers, buffering agents, binding agents, and additional materials – the entire product as used. Information related to active ingredient alone is not sufficient.

For more information on the additive review process, see the "*Water Quality Review Procedures for Additives*" guidance document.

A. General Production Information

Date of Request:	11/21/2023
Permittee Facility Name:	Mayville Wastewater Treatment Facility
Product Trade Name:	Neo WaterFX
Product Manufacturer:	Neo Water Treatment

Active Ingredients:

Ingredient Name*	CAS Number**	%wt or % vol
Cerium (III) Trichloride	19423-76-8	≤45%
Lanthanum (III) Chloride	20211-76-1	≤45%
Water	7732-18-5	≥55%

* Must be provided unless noted to be proprietary information
** If available

Is this product replacing another additive (if yes, include product name)? ☐Yes ☒No

Current Product Name:

B. Dosage or Application Information

Purpose of additive:	Phosphorus Removal	
Proposed dosage rate:	125	lbs/day
	16.7	mg/L
Estimated maximum discharge concentration:	250	lbs/day
	33.6	mg/L

C. Toxicity Test Results

Test Species	Toxicity Value Type (e.g., LC50, EC50, NOAEL)	Toxicity Value	Toxicity Value Units (e.g., mg/L, µg/L, ppm)
Fathead Minnow	96-Hour LC50	191	mg/L
	NOEC (96 Hr)	125	
	7 Day LC25	2.1	
	NOEC (7 Day)	1.3	
	LOEC (7 Day)	2.5	
Rainbow Trout	96-Hour LC50	10.4	mg/L
	NOEC (96 Hr)	5.0	
Ceriodaphnia Dubia	48-Hour LC50	16.4	mg/L
	NOEC (48 Hr)	7.8	
	7 Day LC25	2.0	
	NOEC (7 Day)	1.6	
	LOEC (7 Day)	3.1	

Print one copy of this page for each species that has been tested.

D. Toxicity Test Parameters

1. Parameters needed for **ALL** reviews

Test species:	☒ Ceriodaphnia species (specify:) ☐ Daphnia species (specify:) ☒ Pimephales promelas (fathead minnow) ☐ Lepomis macrochirus (bluegill) ☒ Oncorhynchus mykiss (rainbow trout) ☐ Salvelinus fontalis (brook trout)
Test method:	☐ WI certified WET testing lab/method ☒ EPA method (select from those listed below) x□ Acute-2002.0 x□ Chronic-1000.0 □ Acute-2021.0 □ Chronic-1001.0 x□ Acute-2000.0 x□ Chronic-1002.0 x□ Acute-2019.0 □ Chronic-1003.0 ☐ Other (additional information needed; see part D2)
Test type:	☒ Static non-renewal ☒ Static-renewal ☐ Flow-through
Control response:	☒ ≥ 90% survival ☐Other (Note: if this is selected, this data cannot be used)

2. Parameters needed when using "**other**" test methods

Dilution water:	☐Moderately hard synthetic water ☐Synthetic water ☐Receiving water ☐Ground water ☐Other (Specify:)
Number of test concentrations:	
Dilution series:	
Water chemistry analyses (check all that apply):	☐ pH ☐ Conductivity ☐ Hardness ☐ Alkalinity
Temperature:	☐ 12±1 °C ☐ 20±1 °C ☐ 25±1 °C ☐ Other (Specify:)
Number of organisms per test chamber:	
Number of replicate chambers per concentration:	
Number of organisms per concentration:	
Method for calculating the response endpoint:	

Neo WaterFX 300

SAFETY DATA SHEET (SDS)

Version: 04
Date of Issue: August 28, 2023

According to: OSHA Hazard Communication Standard 29 CFR 1910.1200(g) Rev. 2012; WHMIS 2015 (Hazardous Products Regulations)

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Neo WaterFX 300
Synonyms: Rare Earth Chloride
Product Code: Not Available
Product Use: Aqueous phosphorous reduction media for wastewater treatment

Manufacturer/Supplier Identification:
Neo Chemicals & Oxides, LLC
8101 E. Prentice Avenue, Suite 525
Greenwood Village, CO 80111
Telephone: +1 (303) 843-8040
Facsimile: +1 (303) 843-8082

PRODUCT INFORMATION
Safety Data Sheet Requests: +1 (303) 843-8040 (8am - 4pm, Mountain Time, Mon-Fri)

EMERGENCY INFORMATION
Emergency telephone number:
CHEMTREC: +1 (800) 424-9300 (within the US) or +1 (703) 527-3887 (outside the US)

Health Emergency:
American Association of Poison Control Center +1 (800) 222-1222 (within the US)

SECTION 2 – HAZARD IDENTIFICATION

Global Harmonized System (GHS) Classification:

Health	Environmental	Physical
Skin Corrosion/Irritation – Category 2	Aquatic Acute - Category 3	None
Serious Eye Damage/Irritation – Category 2A		
Skin Sensitization – Category 1		

Label Pictogram:

Signal Word: **WARNING**

Hazard Statements	Precautionary Statements
H315: Causes skin irritation	P260: Do not breathe dust/fume/gas/mist/vapors/spray
H319: Causes serious eye irritation	P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
H317: May cause an allergic skin reaction.	P264: Wash hands thoroughly after handling
H402: Harmful to aquatic life	P265: Do not touch eyes
	P271: Use only outdoors or in a well-ventilated area
	P272: Contaminated work clothing should not be allowed out of the workplace.
	P273: Avoid release to the environment
	P280: Wear protective gloves/protective clothing/eye protection/face protection
	P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
	P302+P361+P354: IF ON SKIN: Take off Immediately all contaminated clothing. Immediately rinse with water for several minutes
	P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing
	P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
	P316: Get emergency medical help immediately.
	P362+P364: Take off contaminated clothing and wash it before reuse.
	P403+P233: Store in a well-ventilated place. Keep container tightly closed
	P405: Store locked up.
	P501: Place contaminated materials in disposal containers and dispose of in a manner consistent with applicable regulations

SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

CAS NUMBER	EC NUMBER (EINECS/ELINCS)	CHEMICAL NAME	PERCENT (% weight)	GHS HAZARDS
7790-86-5	231-791-2	Cerium (III) trichloride	≤45%	H314: Causes severe skin burns and eye damage H318: Causes serious eye damage H400: Very toxic to aquatic life H410: Very toxic to aquatic life with long lasting effects
10099-58-8	233-237-5	Lanthanum (III) chloride	≤45%	H290: May be corrosive to metals H318: Causes serious eye damage H317: May cause an allergic skin reaction H411: Toxic to aquatic life with long lasting effects
7732-18-5	215-1855	Water	≥55%	None

SECTION 4 – FIRST AID MEASURES

Eye: For direct eye contact, immediately hold eyelids apart and flush the affected eye(s) continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from the eye(s) and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised by the Poison Center/doctor, or for at least 15 minutes. Seek immediate medical attention.

Skin: For skin or hair contact, immediately flush affected area(s) with large amounts of water, using safety shower if available. Quickly remove all contaminated shoes, clothing, and restrictive jewelry. If skin surface is damaged, apply a clean dressing, and seek immediate medical attention. If skin surface is not damaged, cleanse the affected area(s) thoroughly by washing with mild soap and water. Continue flushing until advised by the Poison Center/doctor, or for at least 15 minutes. Seek immediate medical attention.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of product in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Seek medical attention as a precaution.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: Not applicable

Flammable Limits: Not applicable

Suitable extinguishing media: Use extinguishing media suitable for surrounding area if this product is involved in a fire (e.g., fog, foam, dry chemical, or carbon dioxide).

Specific hazards arising from the chemical: This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective actions for firefighters: None known. This material will not burn.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Prevent contact with skin or eyes. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater.

Containing environmental effects: Where feasible and appropriate, remove contaminated soil. Secure load if safe to do so. Collect recoverable product and place contaminated materials in disposable containers. Dispose of in a manner consistent with applicable regulations.

Measures when handling spilled substance: Clean up spill as soon as possible, observing precautions in Section 8. Use appropriate techniques such as applying non-combustible absorbent materials or pumping.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water other than those being treated.

Conditions for safe storage: Store in a closed container. Store in a cool, well-ventilated area.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Note: This material is a liquid that is not expected to form dust or volatiles

Exposure limit values No occupational exposure limit values have been established for the components in this product.

Appropriate engineering controls

Work/Hygienic practices: Consider the potential hazards of this material, applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended.

Ventilation: Use in a well-ventilated area.

Other equipment: The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Environmental protection: Take measures to prevent material from being released to soil, water, or air. Where feasible and appropriate, remove contaminated soil if released to ground. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Individual protection measures - Personal protective equipment (PPE)

Eye/Face Protection: The use of a face shield and/or chemical goggles to safeguard against potential eye contact, irritation, or injury is recommended.

Hands/Skin Protection: The use of gloves impermeable to the specific material handled is advised to prevent skin contact, possible irritation, absorption, and skin damage (i.e. Nitrile gloves) – see glove manufacturer literature for permeability information. Depending on use conditions, apron, arm covers, or other impervious clothing may be necessary.

Respiratory Protection: None required where adequate ventilation conditions exist.

Thermal Hazards: None known.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Note: The data below are typical values and do not constitute a specification.

Appearance Physical state: Color: Odor/Odor threshold:	 Liquid Colorless to Amber Mild	Vapor density (Air = 1): Specific gravity (Water = 1):	Not applicable 1.26-1.63 solution @ 20° C
pH:	3.0-4.0	Partition Coefficient: n-octanol/water	No data available
Melting/freezing point:	-40 °C (-40 °F)	Water solubility:	High
Boiling point/range:	No data available	Auto-ignition Temperature:	Not applicable
Flash point:	Not applicable	Decomposition Temperature:	Not applicable
Evaporation rate:	Not applicable	Viscosity:	Not applicable
Flammability:	Non-flammable	Oxidizing properties:	Not applicable
Upper/lower flammability limits	Non-flammable	Molecular Weight:	Proprietary
Vapor pressure:	Not applicable	Relative density:	No data available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: This product is considered stable under normal storage and handling conditions.

Chemical stability: This product is considered stable under normal storage and handling conditions.

Possibility of hazardous reactions: Some ingredients are corrosive to metals; product testing indicates that the mixture does not meet classification criteria for corrosive to metals.

Conditions to avoid: Avoid generating dust. Keep out of water supplies and sewers.

Incompatibility: Incompatible with oxidizing reagents, can generate hazardous chlorine gas.

Hazardous decomposition products: See above.

References:
Product Safety Labs. WaterFX 300: Corrosivity.

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely routes of exposure: Eye and skin contact.
Potential signs and symptoms of overexposure: Skin and eye irritation

Acute Effects
Oral toxicity: Oral LD50 (rat) >5,000 mg/kg
Dermal toxicity: No information found

Inhalation toxicity: Not likely route of exposure - No information found

Skin corrosion/irritation: A primary skin irritation test was conducted using the MatTek EpiDerm™ Tissue Model (EPI-200-SIT) kit (MatTek Corporation, Ashland, MA) to determine the potential for WaterFX 300 to produce irritation after a single topical application. Under the conditions of this study, WaterFX 300 is classified as non-corrosive to the skin.

Serious eye damage/irritation: Causes serious eye irritation.

Skin sensitization: May cause an allergic skin reaction.

Respiratory sensitization: No data available

Other Health Effects

Germ Cell Mutagenicity: Rare earth chlorides were negative in the Ames bacterial mutagenic test using bacterial strains TA135, TA1537, TA98, TA100, TA102, and WP2uvrA.

Carcinogenicity: Not assessed by IARC, NTP or USEPA for carcinogenicity.

Developmental/Reproductive Toxicity: Taking into account all available information on the effects of various lanthanum salts on reproduction parameters, it can be concluded that lanthanum chloride does neither affect fertility nor mating performance in rats of both sexes at doses up to and including 2000 mg/kg bw/day.

Specific target organ toxicity (single exposure): Inhalation of corrosive substances as dust/fume/gas/mist/vapors/spray may cause respiratory irritation and/or delayed lung edema.

Specific target organ toxicity (repeated exposure): Chronic oral exposure to rare earth chlorides may cause toxic effects to the liver and spleen based on experimental animal data.

Aspiration hazard: No data available

References:

ECHA Registered Substances Database. May 2022

MB Research Labs. WaterFX 300: EpiDerm™ Skin Corrosion Test (SCT). August 11, 2023.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity: Cerium chloride and lanthanum chloride are classified for Environmental Hazards according to the ECHA database. Toxicity to fish and invertebrates (daphnia) has been determined for WaterFX 300. This product specific data take precedent over ingredient data.

Chemical	Species	Toxicity
WaterFX 300	Fathead Minnow	96–hour LC50: 191 mg/L NOEC(96 hr): 125 mg/L 7-day LC25: 2.1 mg/L NOEC(7 day): 1.3 mg/L LOEC(7 day): 2.5 mg/L
	Rainbow Trout	96–hour LC50: 10.4 mg/L NOEC(96 hr): 5.0 mg/L
	Ceriodaphnia dubia	48–hour LC50: 16.4 mg/L NOEC(48 hr): 7.8 mg/L 7-day LC25: 2.0 mg/L NOEC(7 day): 1.6 mg/L LOEC(7 day): 3.1 mg/L

Persistence and biodegradability: This product is not considered to be rapidly biodegradable

Bioaccumulation potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

References:
ECHA Registered Substances Database. August, 2023
NEO WaterFX 300 SDS; Neo Chemicals & Oxides, LLC

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal methods: Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste federal law requires disposal at a licensed hazardous waste disposal facility. Chemical additions, processing or otherwise altering this material may make waste management information presented in the SDS incomplete.

Container: Place contaminated materials in disposal containers and dispose of in a manner consistent with applicable regulations.

SECTION 14 – TRANSPORT INFORMATION

Agency:	Shipping Description:
DOT/TDG	NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER DOT 49 CFR
IMO/IMDG	NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE
ICAO/IATA	NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

SECTION 15 – REGULATORY INFORMATION

Chemical Safety Assessment: None available

United States Federal Regulations:
Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):
This material is not listed under CERCLA and has no reportable quantity.
Clean Water Act (CWA): No components in this product are listed as toxic pollutants.
Clean Air Act (CAA): No components in this product are listed as hazardous air pollutants.
Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components: No components in this product are subject to reporting requirements of S.302.
SARA 311/312 Hazards: Acute/Chronic Health Hazard
SARA 313 Components: No components in this product are subject to reporting levels established by S.313.
Toxic Substances Control Act: This material is listed on the TSCA inventory.

State:
California: This material is not listed under Proposition 65 (CA Health & Safety Code Section 25249.5).
Massachusetts: No components in this product are listed under the Right to Know Act (RTK).
New Jersey: No components in this product are listed under the RTK.

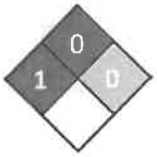
Pennsylvania: No components in this product are listed under the RTK.

Canada:
DSL/NDSL: All components are listed or exempt.

Other:
IARC: No components in this product are classified as probable, possible, or confirmed human carcinogens.
NTP: No components in this product are classified as known or reasonably anticipated carcinogens.

SECTION 16 – OTHER INFORMATION

National Fire Protection Association (NFPA) Ratings: This information is provided solely for the use of individuals trained in the NFPA system.



Health: 1
Flammability: 0
Reactivity: 0

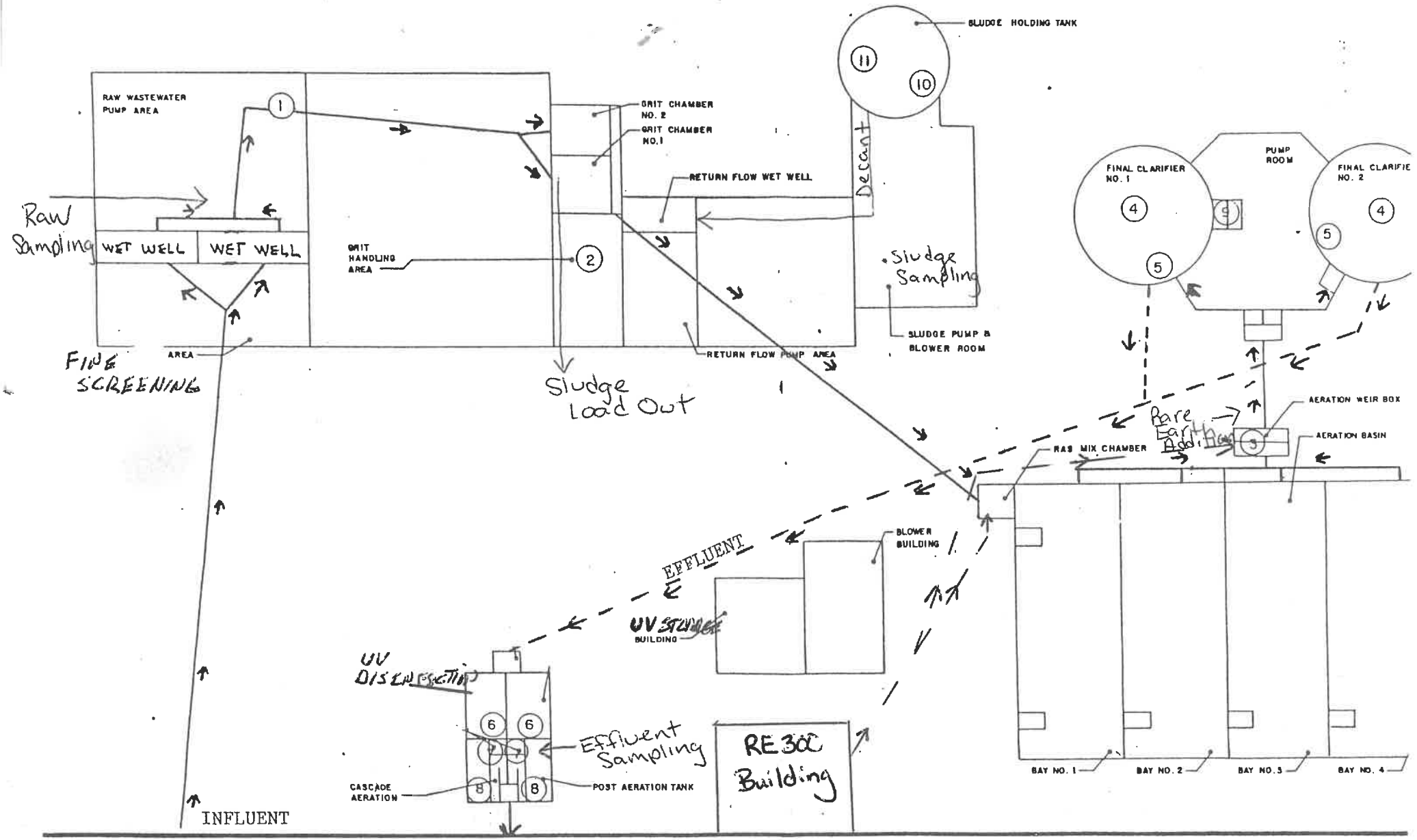
Acronyms and abbreviations that may have been used in this document:

CAS: Chemical Abstract Service Number	LD50: Lethal Dose 50%
CAA: Clean Air Act	LOEC: Lowest Observed Effect Concentration
CERCLA: Comprehensive Environmental Response and Liability Act	NDSL: Non-domestic Substances List
CWA: Clean Water Act	NOEC: No Observed Effect Concentration
DOT: Department of Transport	NFPA: National Fire Protection Association
DSL: Domestic Substance List	NTP: National Toxicology Program
EC: European Community	OSHA: Occupational Safety and Health Administration
ECHA: European Chemicals Agency	PPE: Personal Protective Equipment
EINECS: European Inventory of Existing Chemical Substances	RCRA: Resource Conservation and Recovery Act
ELINCS: European List of Notified Chemical Substances	RTK: Right to Know
GHS: Global Harmonized System of Classification and Labelling of Chemicals	SARA: Superfund Amendment and Reauthorization Act
IARC: International Agency for Research on Cancer	SDS: Safety Data Sheet
IATA: International Air Transport Association	TDG: Transportation of Dangerous Goods
ICAO: International Civil Aviation Organization	TSCA: Toxic Substances Control Act:
IMO: International Maritime Organization	US EPA: US Environmental Protection Agency
IMDG: International Maritime Dangerous Goods	WHMIS: Workplace Hazardous Materials Information System
LC50: Lethal Concentration 50%	

Revision Indicator: This is a revision.

Creation Date: August 28, 2023

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.



MAYVILLE WASTEWATER FACILITY

FIGURE 1