

Village of Mukwonago
Notice of Meeting and Agenda

COMMITTEE OF THE WHOLE MEETING
Wednesday, June 5, 2024

Time: **5:30 pm**

Place: **Mukwonago Municipal Building/Board Room, 440 River Crest Court,
Mukwonago, WI 53149**

1. Call to Order

2. Roll Call

3. Comments from the Public

Information and comment may be received from the public by the Committee of the Whole, but solely as to matters that appear on the Agenda for that meeting. The public comment session shall last no longer than 15 minutes and individual presentations are limited to (3) minutes per speaker. These time limits may be extended at the discretion of the Chief Presiding Officer. The Committee of the Whole may have limited discussion on the information received, however, no action will be taken on issues raised during the public comment session unless they are otherwise on the agenda for that meeting. Public comments should be addressed to the Committee of the Whole as a body. Presentations shall not deal in personalities or personal attacks on members of the Board, the applicant for any project or Village employees. Comments, questions and concerns shall be presented in a respectful and professional manner. Any questions to an individual member of the Committee of the Whole or Staff will be deemed out of order by the Presiding Officer.

4. Approval of Minutes

- 4.1 Minutes of May 1, 2024 Committee of the Whole
[2024-05-01 DRAFT COW Minutes](#)

5. Presentations

- 5.1 Summer Library Program Presentation: A presentation providing information on the Summer Library Program, kicking-off on Saturday, June 8th.

6. Finance Committee, Trustee Darlene Johnson

Discussion and action possible on the following items.

- 6.1 Monthly Treasury Report and Revenue/Expenditure Guideline Report For April *(For information purposes only, no action required)*
[2024-04 April Treasury Report.pdf](#)
[2024-04 April Revenue & Expenditure.pdf](#)
- 6.2 Discussion and possible recommendation to the Village Board to approve Accounts Payable Vouchers in the amount of \$584,727.93.
[060524 VB AP Packet.pdf](#)
- 6.3 Discussion on funding sources for the Village portion of a Fire Truck

- 6.4 Annual Room Tax Report Review *(For Information Only, No Action Required)*
[2023 Annual Room Tax Report to the Board](#)

7. Health and Recreation Committee, Trustee John Meiners

Discussion and action possible on the following items

- 7.1 Discussion and possible recommendation of a Phantom Junction Stage Rental on August 30, 2024 for Night of Worship from 12pm - 8pm, applicant Life Point Church Mukwonago.
[8-30-2024 PJS Rental LifePoint Church.pdf](#)
- 7.2 Discussion and possible recommendation to approve a special event and stage application for Aesthetic Management & Artis Development (AMAD) Gold Coast Festival on Saturday August 24, 2024 from 11AM to 11PM at Indian Head Park and Phantom Junction Stage.
[Ethan Keller Event Permit & Park App 8.24.24_Redacted.pdf](#)
[Ethan Keller Gold Coast Festival PLAN OF OPERATION for 8.docx](#)
- 7.3 Special recognition for our donors for bringing Phantom Junction Stage events this season fully funded 100% by donations. Check out the Schedule of Events and Food Truck Schedule at www.phantomjunctionstage.com
(For Information Only, No Action Required).
[2024 PJS Flyer](#)
[Summer 2024 Concert series donor banner](#)
[2024 food truck schedule](#)

8. Judicial Committee, Trustee Dale Porter

Discussion and action possible on the following items

- 8.1 Discussion and possible recommendation on Class "A" Retail Fermented Malt Beverage License Applications for:
1. 122 Arrowhead Enterprises, Inc. d/b/a Arrowhead BP, 122 Arrowhead Drive, Mukwonago; Judith Schwartz Agent
[Class A Beer Applications](#)

8.2 Discussion and possible recommendation on Class "A"/"Class A" Retail Combination Fermented Malt Beverage and Intoxicating Liquor License Applications for:

1. 1060 Rochester Enterprises, Inc. d/b/a Rochester BP, 1060 Rochester St.; Judith Schwartz, Agent
2. 909 Greenwald Enterprises Inc., d/b/a Mukwonago Amoco, 909 Greenwald Ct.; Judith Schwartz, Agent
3. Aldi Inc., d/b/a Aldi #46, 111 East Wolf Run; Tammy Wright, Agent
4. B&A Trading LLC, d/b/a Andy Liquor Store, 411 Main Street; Amandeep Singh, Agent
5. E and S Sweets LLC, d/b/a E and S Sweets, 211 N Rochester St, Unit D; Kristen Brill, Agent
6. Khasria Two Inc., d/b/a Village Wine & Liquor, 712 Main Street; Harjinder Khasria, Agent.
7. Kwik Trip Inc., d/b/a Kwik Trip #282, 1212 N Rochester St., Susan Michaelson, Agent
8. Ultra Mart Foods, Inc., d/b/a Metro Market #384, 1010 N Rochester St., Todd Glaser, Agent
9. VM Investments LLC, d/b/a Amann's Beer+Wine, 110 Chapman Farms Blvd (Lower Retail), Amandip Singh, Agent
10. Wal-Mart Stores East LP, d/b/a Wal-Mart #1571, 250 E Wolf Run, Charles Burns, Agent
11. Walgreen Co, d/b/a Walgreens #07039, 212 N Rochester St., Brian Marinello, Agent

[Class A Combo Beer Liquor Applications](#)

8.3 Discussion and possible recommendation on Class "B"/Class C Combination Fermented Malt Beverage and Wine License Applications for:

1. Bee Well Cafe, 100 Main Street, Suite 1, Calaya Kostecki, Agent
2. Five Rice, Inc. d/b/a Five Rice Restaurant, 920 Greenwald Ct., Suite 100, Jianping Huang, Agent

[Class B C Combo Beer and Wine Applications](#)

8.4 Discussion and possible recommendation on Class "B"/"Class B" Retail Combination Fermented Malt Beverage and Intoxicating Liquor License Applications for:

1. American Legion Community Post 375, 627 E Veteran's Way; Tammy Stelter, Agent
2. Blue Bay, Inc, d/b/a Blue Bay Restaurant, 927 Main Street; Victor Islami, Agent
3. FJ Partners LLC, d/b/a Sol De Mexico, 507 Main Street; Jose Jaimes-Lopez, Agent
4. Jays Lanes Inc., d/b/a Jay's Lanes, 326 Atkinson Street; Jeffrey Jay, Agent
5. Perseverance Corp, d/b/a Badger Burger Company, 200 S Rochester St.; Mark Weiss, Agent
6. Sandy's Miller Time, LLC d/b/a Sandy's Miller Time, 701 Main Street; Brian Anspach, Agent
7. Take A Big Bite, Inc., d/b/a Fork in the Road Restaurant, 215 N Rochester St.; Therese Hennessy, Agent
8. The Boneyard Pub & Grille, LLC, d/b/a Boneyard Pub & Grille, 215 Bay View Rd., Suite 200; James Fredric Jones, Agent

[Class B Combo Beer Liquor Applications](#)

8.5 Discussion and possible recommendation on Class "B"/"Class B" Reserve Combination Fermented Malt Beverage and Intoxicating Liquor Renewal Applications for:

1. Crush, LLC d/b/a Crush Wine and Social, 110 Main Street; Paul Kwiecien, Agent
2. DAA Smokehouse LLC, d/b/a David Alan Alan's Smokehouse, 325 Bay View Rd., Suite D/E; Tina O'Bryan, Agent
3. El Pueblo, Inc, d/b/a Antiqua Real Restaurant, 355 Bay View Rd.; Marco Alarcon, Agent
4. Sarab Investments, d/b/a The Terraces At Aman's, 110 Chapman Farms Blvd; Amandip Singh Agent
5. That Place Restaurant, LLC, d/b/a That Place Trattoria, 1015 E Veteran's Way; Arturo Napoles, Agent
6. The Elegant Farmer, Inc., d/b/a The Elegant Cork, 1541 Main Street; Tina Schmidt, Agent

[Class B RESERVE Combo Beer Liquor Applications](#)

9. Library Board of Trustees, Trustee Eric Brill

9.1 Library Directors Report

[The_Directors_Report_05_May_2024.pdf](#)
[2024_April_Newsletter.pdf](#)

10. Personnel Committee, Trustee Ken Johnson

Discussion and action possible on the following items

10.1 Discussion and possible recommendation to approve **Resolution 2024-32** a Resolution adopting the updated Village Administrator Position Description.

[RESOLUTION 2024-32 Village Admin Position Description](#)

10.2 Discussion and possible recommendation on the adoption of **RESOLUTION 2024-33** Code of Conduct Policy for Elected and Appointed Officials in the Village of Mukwonago.

[RESOLUTION 2024-33 \(Code of Conduct Policy\).docx](#)
[Code of Conduct Final Draft 4-18-24](#)

11. Public Works Committee, Trustee Eric Brill

Discussion and action possible on the following items

11.1 Collection Report for the April 27 E-Cycle event
Information Only

[Electronics Collection Inventory 4-27-24.docx](#)

11.2 Update on STH 83/Rochester Street downtown utilities and design.

11.3 Discussion and possible recommendation to approve a task order to create our Water and Sewer System Master Plan

[Agenda Cover Letter_Utilities Master Planning Task Order](#)
[Task Order 2024-03 Water and Wastewater System Master Plan](#)

11.4 Discussion and possible recommendation to approve **Resolution 2024- 34** a resolution to approve the Compliance Maintenance Report (CMAR) for 2023.

[Cover Report - CMAR 2023](#)

[RESOLUTION 2024-34 \(Annual CMAR\)](#)

[CMAR_2023_Draft](#)

11.5 Discussion on the Well 3 and 4 Treatment Plant and Water Capacity Upgrades.

(This is for information and discussion only. No action required at this time.)

[Cover Report Well 3 and 4 Treatment Plant and Water Capacity Upgrades](#)

[Well No. 3 and No. 4 HMO Treatment Facilities Pre-Design Study -Final](#)

11.6 Discussion and possible recommendation on changing the color of the bear on future wayfinding signs.

[Agenda Cover Report.docx](#)

[Village of Mukwonago Drawing 1\(2\).pdf](#)

[Village of Mukwonago Drawing 1\(3\).pdf](#)

[Village of Mukwonago Drawing 2\(2\).pdf](#)

[Village of Mukwonago Drawing 2\(3\).pdf](#)

12. Protective Services, Trustee Scott Reeves

Discussion and action possible on the following items

12.1 Reminder of Special Joint Village and Town meeting June 19, 2024 at 5:30PM

12.2 Discussion and possible recommendation to approve the Intergovernmental Agreement for Law Enforcement Services for the 2024 Republican National Convention with the City of Milwaukee.

[Agenda Cover Report 2024 City of Milwaukee IGA](#)

[2024 RNC Police IGA - v2024.04.24](#)

12.3 Discussion and possible recommendation to approve the purchase of a 2024 Chevy Tahoe squad car as budgeted.

[Agenda Cover Report 2024 squad](#)

[2024 CHEVROLET TAHOE 4WD PPV](#)

13. Village President

13.1 Update on village-wide exterior revaluation, and announcement of Open Book on June 6 and June 7th. Please be sure to reach out to the Assessor with any questions or appointment requests. For more information visit:

www.villageofmukwonago.gov/revaluation2024

[2024 Reval Informational Insert \(V Mukwonago\) FINAL](#)

[2024 Open Book Notice Final 5-12-24](#)

[2024 Notice of BOR](#)

14. Adjournment

It is possible that a quorum of, members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Please note, upon reasonable notice, efforts will be made to accommodate the needs of individuals with disabilities through appropriate aids and services. For additional information or to request this service, contact the Municipal Clerk's Office, (262) 363-6420.

MINUTES OF THE COMMITTEE OF THE WHOLE MEETING

Wednesday, May 1, 2024

Time: **5:30 pm**

Place: **Mukwonago Municipal Building/Board Room, 440 River Crest Court,
Mukwonago, WI 53149**

Call to Order

President Winchowky called the meeting to order at 5:30pm.

Roll Call

Board Members Present

Eric Brill
Darlene Johnson
Ken Johnson
John Meiners
Dale Porter (arrived at 5:35pm)
Scott Reeves
Fred Winchowky

Also Present

Diana Dykstra, Village Clerk-Treasurer
Dan Streit, Police Chief
Mike Michalski, Village Engineer
Wayne Castle, Utilities Director
Ron Bittner, Public Works Director
Nathan Bayer, Attorney
Tim Rutenbeck, Building Inspector

Comments from the Public

Micah Roberts of East Troy noted he started a family business ice cream truck Cubby's Cool Treats with his wife and children and they currently drive in East Troy, Eagle, and Village of Mukwonago. They have served hundreds ice cream and it has been well received. He noted the Police did talk to him about his jingle which is played from the vehicle. The current code prohibits him from playing it. He asked if this can be reviewed so they can do this.

Approval of Minutes

Approve Minutes of the April 3, 2024 Committee of the Whole

K Johnson/Meiners motion to approve. Unanimously carried.

Presentations

Presentation from Mukwonago Historical Society

This item was sent to the May 15, 2024 Village Board meeting.

**Presentation from Cory Poris Plasch with [CP2 Consulting](#) on providing
Comprehensive Strategic Planning for the Village Board of Trustees.**

Proclamations

**A Proclamation honoring National Police Week as May 12-18, 2024 and May 15th as
National Peace Officer Memorial Day.**

A Proclamation honoring Professional Municipal Clerks Week May 5 - 11, 2024.

Finance Committee, Trustee Darlene Johnson

Monthly Treasury Report and Revenue/Expenditure Guideline Report For March *(For information purposes only, no action required)*

Discussion and possible recommendation the Village Board to approve Accounts Payable Vouchers in the amount of \$916,317.22.

D. Johnson/K. Johnson motion to recommend approval. Unanimously carried.

Discussion and possible recommendation to approve Resolution 2024-26 A
Resolution designating Public Depositories

D. Johnson/Meiners motion to recommend approval striking BMO Harris Bank which has moved out of the Village. Unanimously carried.

Discussion and possible recommendation to approve Resolution 2024-27 a
Resolution designating the official posting and notice publications.

D. Johnson/K. Johnson motion to recommend approval. It was noted this is the authorized newspapers are Mukwonago Times and Waukesha Freeman.
Unanimously carried.

Health and Recreation Committee, Trustee John Meiners

Discussion and possible recommendation of special event permit for Memorial Day Parade May 27 2024 from Mukwonago Community American Legion Post #375, applicant.

Meiners/Reeves motion to recommend approval. Unanimously carried.

Discussion and possible recommendation of Special Event Permit for Mukwonago Community Library, June 8,2024 at Washington Avenue Park. Library will be hosting its Summer Library Program Kick-Off from 10:00am to 1:00pm.

Meiners/D. Johnson motion to recommend approval. Unanimously carried.

Judicial Committee, Trustee Dale Porter

Discussion and possible recommendation of Temporary Class "B"/"Class B" Retailer's License for Mukwonago Food Pantry, applicant serving Wine and Beer at Phantom Junction Stage Concerts on June 27, August 8th, August 22, and 24. *(prior application was approved on 4-17-24 for Beer, applicant is adding wine sales and additional dates to application)*

Porter/Reeves motion to recommend approval. It was reminded this organization will need some approved operators to comply with the law as well. Unanimously carried.

Discussion and possible recommendation to approve a Temporary Class "B"/ "Class B" Retailers License for Rotary Club of Mukwonago to serve Beer and Wine at Phantom Junction Stage events June 1, July 3, August 2, and September 28, 2024.

Porter/Meiners motion to recommend approval. Unanimously carried.

Library Board of Trustees, Trustee Eric Brill

Library Director's Report for the month of April.

(for information only, no action required)

Trustee Brill reviewed the Directors Report and presented the latest Library Newsletter.

Personnel Committee, Trustee Ken Johnson

Discussion and possible recommendation on the Village Administrator Position

Description.

Trustee Ken Johnson noted we are presenting in process of recruitment. There were workshops held to discuss. In the packet was the Job Description used for the last administrator. He is asking Board members if you would like to see any changes in this to let him know by next week.

Trustee Brill noted some items in this description are specific and some are broad and he would like to see a bit more continuity.

Trustee Ken Johnson noted he would like to see someone with thorough knowledge of Taxes and TIDs. He suggested next Friday would be finalizing this document with the Clerk so if they would like to make changes, they consider sending those to him via email by May 8, 2024.

Trustee Meiners noted there has been a tough time with this position, and with this current description no one can do this job. It is too much. He would like to see some of this items taken out.

Trustee Ken Johnson did note there has been discussion about the dual role with Economic Development and it is not sustainable. There are options to have assistance with Economic Development either by contractor or position.

President Winchowky asked if the League of Municipalities has a description the Personnel Chair could receive a copy of as well.

No action was taken. This item will have continued future discussion.

Public Works Committee, Trustee Eric Brill

Update on STH 83 *(For information only, No action required)*

Trustee Brill noted that they are obtaining potential costs to bury lines. R&M has been working on the budget for the 30% plans which seems to be in the area of 2.5 million. They have information on bump outs, curb/gutter, and landscape trees. They are also taking a high level look at grants and loans that are available. They are hoping to have more information from the State in June or July on the scope of their project, and also have some information on street lighting.

Discussion and possible recommendation to approve Resolution 2024-28 an Interim Financing Comfort Resolution for Wells 3 & 4 for HMO Treatment System and Supply System Water Main Revisions.

Brill/Meiners motion to recommend approval.

Utilities Director Castle noted this is for a project that was previously approved, and they are looking at funding. This is for the Safe Drinking Water Loan program.

Trustee Reeves noted he has received responses on this subject due to a local blogger posting about this 6 million dollar building and everyone wants more information.

Castle noted there is a great deal of misinformation going out there. Project price is not wrong. The project is more than Well #4 is where filtration occurs and this will change up how it is configured currently from blending. Blending is not going away but is a backup. At Well #3 there is no space for expansion that has been looked at. There are things that need to be upgraded at Well #3. It is more than what it is being portrayed. They find out this week where they rank on the Safe Drinking Water Loan program. That is how they decide how this will move forward with 80% plans and the funds won't be available until next year so this resolutions provides for the interim financing.

Trustee Reeves asked about the PFAS litigation and the money coming in and if we are still looking for assistance in that situation. Castle noted they are trying to find out how much money is going to be allocated but they are getting ready to settle.
Unanimously carried.

Protective Services, Trustee Scott Reeves

Discussion and possible recommendation to approve a Suburban Critical Incident Team Mutual Aid Agreement (SCIT) for the purpose of providing mutual aid for police Tactical Incidents between various communities.

Reeves/Meiners motion to recommend approval. Unanimously carried.

Downtown Development Committee, Trustee Scott Reeves

Update from the Downtown Development Committee meeting of April 25, 2024

Trustee Reeves noted they held a meeting and discussed the Hwy 83 Plans, pocket park, closing Jefferson Street and the update on the strategic downtown plan. They will let the Board know when they complete additional items. They would like to have a joint meeting with the Plan Commission on the downtown zoning changes and guidelines.

President Winchowky noted HAWS sent a thank you card for the continued support.

Public Works Director Ron Bittner noted they had 221 Village residents participate in the Electronic Recycling event. There were 30 pallets and over 60-70 TV's. 14 Non-Residents were turned away. They suggested an agreement with the Town or an opportunity to collect a fee for their disposal. He will look into that.

Closed Session

Meiners/K. Johnson motion to go into closed session pursuant to Wis. Stats. § 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) for negotiation with St. James Parish at 6:49pm.

Roll Call: "Yes" Trustee Brill, D. Johnson, K. Johnson, Meiners, Porter, Reeves, and Winchowky.

Also Present: Dykstra, Streit, Rutenbeck, Bittner, Castle, Attorney Bayer, and Engineer Michalski

Reconvene into Open Session

Meiners/D. Johnson motion to reconvene into open session pursuant to Wis. Stats. § 19.85(2) at 7:10pm.

Roll Call: "Yes" Trustee Brill, D. Johnson, K. Johnson, Meiners, Porter, Reeves, and Winchowky.

Adjournment

Meeting adjourned at 7:10pm

Respectfully Submitted,

Diana Dykstra, MMC
Village Clerk-Treasurer

TREASURERS REPORT	Apr-2024	TOTAL	Citizens	LGIP	Long Term Investments - Johnson Bank & ADM
-------------------	----------	-------	----------	------	--

GENERAL VILLAGE

100-111xxx	General Fund	4,173,461.05	336,267.96	1,903,434.21	1,933,758.88
100-111005/020/033	Checking/MRA/Accrued Sick	1,269,674.03	819,617.76	321,784.08	128,272.19
150-111300	Fire Department	902,260.04	482,744.66	419,515.38	
200-110xxx	Community Development (Deback)	1,188,033.49	5,195.45	1,182,838.04	
210-111xxx	Wisc Development - RLF	133,167.55	133,167.55		
220-111xxx	TID#3-General	620,498.58	620,498.58		
240-111xxx	TID#4-General	779,256.76	547,279.95	231,976.81	
250-111xxx	TID#5-General	3,662,452.95	16,872.04	3,645,580.91	
300-111xxx	Debt Service	2,090,838.71	1,275,701.60	815,137.11	
320-111300	Fire Department Designated	427,004.30	90.37	426,913.93	
340-111xxx	Village Designated Funds	790,640.39	223,866.14	566,774.25	
350-111xxx	American Rescue Plan Act	868,492.95		868,492.95	
410-111300	Recycling	320,116.78	320,116.78	-	
430-111300	Capital Equipment	592,841.22	97,086.91	495,754.31	
440-111xxx	Library	688,092.28	448,073.77	240,018.51	
480-111xxx	Capital Improvement Funds	3,342,324.10	51,243.38	3,291,080.72	
500-111300	Stormwater District #1	72,538.96	72,538.96		
600-111xxx	Impact Fees	184,399.50	184,399.50		
720-111xxx	Taxroll	307,606.70	307,179.68	427.02	
810-111xxx	Parkland Site	266,725.56	30,695.51	236,030.05	
TOTAL		22,680,425.90	5,972,636.55	14,645,758.28	2,062,031.07

WATER UTILITY

610-111300	Cash	743,711.90	743,711.90		
610-111200	Bonds & Unrestricted Cash	1,712,699.36		1,712,699.36	
610-111050	Current Year Debt Reserve	201,072.12	201,072.12	-	
610-111060	Required Debt Reserve	531,270.46	-	100,600.24	430,670.22
610-111080	Impact Fee	31,987.46	31,987.46	-	
610-111033	Accrued Sick Pay	8,780.37		8,780.37	-
TOTAL		3,229,521.67	976,771.48	1,822,079.97	430,670.22

SEWER UTILITY

620-111300	Cash	330,314.11	330,314.11		
620-111200	Bonds & Unrestricted Cash	377,415.68		377,415.68	
620-111040	Sewer Connection Fee	265,340.78	54,492.22	210,848.56	-
620-111060	Required Debt Reserve	841,936.52	-	89,807.92	752,128.60
620-111050	Current Year Debt Reserve	328,111.31	328,111.31	-	
620-111070	Equipment Replacement Fund	779,300.10	-	779,300.10	-
620-111080	Impact Fee	34,091.65	34,091.65	-	
620-111033	Accrued Sick Pay	8,780.38		8,780.38	-
TOTAL		2,965,290.53	747,009.29	1,466,152.64	752,128.60

GRAND TOTAL	28,875,238.10	7,696,417.32	17,933,990.89	3,244,829.89
--------------------	----------------------	---------------------	----------------------	---------------------

Prepared by Diana Doherty

balance check

28,875,238.10

-

PERIOD ENDING 04/30/2024

SELECT FUNDS

GL NUMBER	DESCRIPTION	2024 AMENDED BUDGET	YTD BALANCE 04/30/2024	AVAILABLE BALANCE	% BDGT USED
Fund 100 - GENERAL FUND					
Revenues					
OTHERREV	OTHER REVENUES	283,800.00	56,170.81	227,629.19	19.79
PTAX	GENERAL PROPERTY TAX	3,292,240.00	2,669,513.59	622,726.41	81.09
TAXES	OTHER TAXES	438,834.00	141,895.35	296,938.65	32.33
IGOVTRV	INTERGOVERNMENTAL REVENUES	1,069,963.00	299,954.04	770,008.96	28.03
LICPER	LICENSES & PERMITS	277,429.00	82,712.50	194,716.50	29.81
LAWORD	FINES & FORFEITURES	145,000.00	52,830.85	92,169.15	36.44
PUBCHGS	PUBLIC CHARGES FOR SERVICES	18,198.00	3,819.00	14,379.00	20.99
LEISURE	LEISURE ACTIVITIES	72,000.00	0.00	72,000.00	0.00
IGOVTC	INTERGOVERNMENTAL CHARGES	201,732.00	62,747.16	138,984.84	31.10
INVTINC	INVESTMENT INCOME	160,937.00	144,738.62	16,198.38	89.93
TOTAL REVENUES		5,960,133.00	3,514,381.92	2,445,751.08	58.96
Expenditures					
5111	VILLAGE BOARD	72,363.00	45,910.27	26,452.73	63.44
5112	HISTORIC PRESERVATION	290.00	26.71	263.29	9.21
5120	MUNICIPAL COURT	39,567.00	18,384.07	21,182.93	46.46
5130	VILLAGE ATTORNEY	118,750.00	16,455.00	102,295.00	13.86
5141	VILLAGE ADMINISTRATOR	271,929.00	75,851.75	196,077.25	27.89
5142	CLERK-TREASURER	280,919.00	82,777.82	198,141.18	29.47
5144	ELECTIONS	31,650.00	5,456.14	26,193.86	17.24
5145	FINANCE DEPARTMENT	75,287.00	17,116.92	58,170.08	22.74
5150	IT SERVICES	15,000.00	1,626.00	13,374.00	10.84
5151	INDEPENDENT AUDITING	10,000.00	7,157.36	2,842.64	71.57
5153	ASSESSMENT OF PROPERTY	181,200.00	142,152.74	39,047.26	78.45
5154	RISK & PROPERTY INSURANCE	130,800.00	36,259.21	94,540.79	27.72
5160	VILLAGE HALL	54,141.00	16,682.92	37,458.08	30.81
5211	POLICE ADMINISTRATION	1,349,901.00	423,139.99	926,761.01	31.35
5212	POLICE PATROL	1,166,199.00	347,431.41	818,767.59	29.79
5213	CRIME INVESTIGATION	262,029.00	79,409.03	182,619.97	30.31
5215	POLICE TRAINING	12,000.00	1,730.10	10,269.90	14.42
5220	FIRE STATION (VILLAGE)	8,983.00	484.49	8,498.51	5.39
5235	EMERGENCY GOVERNMENT	2,000.00	0.00	2,000.00	0.00
5241	BUILDING INSPECTOR	315,615.00	95,155.61	220,459.39	30.15
5247	BOARD OF APPEALS	900.00	87.40	812.60	9.71
5254	DAMS	12,807.00	3,654.03	9,152.97	28.53
5300	DPW GENERAL ADMINISTRATION	373,532.00	135,281.53	238,250.47	36.22
5323	GARAGE	84,259.00	29,189.25	55,069.75	34.64
5324	MACHINERY & EQUIPMENT	131,986.00	43,937.57	88,048.43	33.29
5335	ENGINEERING	75,000.00	9,182.34	65,817.66	12.24
5341	STREETS & ALLEYS	14,691.00	2,491.29	12,199.71	16.96
5342	STREET LIGHTING	185,250.00	43,948.39	141,301.61	23.72
5343	CURBS GUTTERS & SIDEWALKS	2,970.00	0.00	2,970.00	0.00
5344	STORM SEWER	13,805.00	2,223.59	11,581.41	16.11
5345	STREET CLEANING	20,523.00	13,390.41	7,132.59	65.25
5346	BRIDGES & CULVERTS	1,519.00	0.00	1,519.00	0.00
5347	SNOW & ICE CONTROL	114,814.00	62,392.09	52,421.91	54.34
5348	STREET SIGNS & MARKINGS	24,742.00	5,038.49	19,703.51	20.36
5362	GARBAGE COLLECTION	5,529.00	1,087.88	4,441.12	19.68
5431	ANIMAL POUND	2,500.00	2,420.00	80.00	96.80
5512	MUSEUM	11,875.00	2,479.36	9,395.64	20.88
5521	PARKS	220,159.00	28,704.65	191,454.35	13.04
5522	CELEBRATIONS	8,809.00	3,161.47	5,647.53	35.89
5611	FORESTRY	35,057.00	14,683.89	20,373.11	41.89
5613	WEED CONTROL	500.00	0.00	500.00	0.00
5632	PLANNING DEPARTMENT	134,138.00	24,157.71	109,980.29	18.01
5660	STORMWATER MASTER PLAN	11,250.00	8,613.97	2,636.03	76.57
5670	ECONOMIC DEVELOPMENT	42,895.00	7,416.17	35,478.83	17.29
5900	OTHER FINANCING USES	32,000.00	0.00	32,000.00	0.00
TOTAL EXPENDITURES		5,960,133.00	1,856,749.02	4,103,383.98	31.15
Fund 100 - GENERAL FUND:					
TOTAL REVENUES		5,960,133.00	3,514,381.92	2,445,751.08	58.96
TOTAL EXPENDITURES		5,960,133.00	1,856,749.02	4,103,383.98	31.15
NET OF REVENUES & EXPENDITURES		0.00	1,657,632.90	(1,657,632.90)	100.00

PERIOD ENDING 04/30/2024

SELECT FUNDS

GL NUMBER	DESCRIPTION	2024 AMENDED BUDGET	YTD BALANCE 04/30/2024	AVAILABLE BALANCE	% BDGT USED
Fund 150 - FIRE/AMBULANCE FUND					
Revenues					
OTHERREV	OTHER REVENUES	1,500.00	4,631.47	(3,131.47)	308.76
PTAX	GENERAL PROPERTY TAX	609,056.00	203,018.68	406,037.32	33.33
EBIX	EBIX REVENUES	1,273,000.00	444,787.96	828,212.04	34.94
IGOVTVREV	INTERGOVERNMENTAL REVENUES	110,964.00	10,520.73	100,443.27	9.48
PUBCHGS	PUBLIC CHARGES FOR SERVICES	500.00	625.00	(125.00)	125.00
IGOVTVCH	INTERGOVERNMENTAL CHARGES	609,056.00	203,018.68	406,037.32	33.33
INVTINCL	INVESTMENT INCOME	12,000.00	22,031.82	(10,031.82)	183.60
TOTAL REVENUES		2,616,076.00	888,634.34	1,727,441.66	33.97
Expenditures					
5140	ADMINISTRATIVE & GENERAL	29,150.00	9,716.64	19,433.36	33.33
5221	FIRE ADMINISTRATION	1,120,387.00	335,748.28	784,638.72	29.97
5222	FIRE SUPPRESSION	60,993.00	9,231.48	51,761.52	15.14
5223	FIRE TRAINING	27,929.00	9,659.34	18,269.66	34.59
5231	AMBULANCE	464,681.00	107,291.02	357,389.98	23.09
5232	AMBULANCE TRAINING	15,238.00	4,382.34	10,855.66	28.76
5233	REFERENDUM FUNDED STAFFING	679,116.00	207,694.64	471,421.36	30.58
5700	CAPITAL OUTLAY EXPENDITURES	55,000.00	2,903.37	52,096.63	5.28
5880	USE OF GRANTS/DONATIONS	0.00	2,903.37	(2,903.37)	100.00
5900	OTHER FINANCING USES	163,582.00	0.00	163,582.00	0.00
TOTAL EXPENDITURES		2,616,076.00	689,530.48	1,926,545.52	26.36
Fund 150 - FIRE/AMBULANCE FUND:					
TOTAL REVENUES		2,616,076.00	888,634.34	1,727,441.66	33.97
TOTAL EXPENDITURES		2,616,076.00	689,530.48	1,926,545.52	26.36
NET OF REVENUES & EXPENDITURES		0.00	199,103.86	(199,103.86)	100.00

PERIOD ENDING 04/30/2024

SELECT FUNDS

GL NUMBER	DESCRIPTION	2024 AMENDED BUDGET	YTD BALANCE 04/30/2024	AVAILABLE BALANCE	% BDGT USED
Fund 610 - WATER UTILITY FUND					
Revenues					
OTHERREV	OTHER REVENUES	25,276.00	4,003.07	21,272.93	15.84
UTILREV	UTILITY REVENUES	2,151,500.00	518,888.93	1,632,611.07	24.12
CONTRIB	CONTRIBUTED CAPITAL	0.00	17,884.00	(17,884.00)	100.00
MISCINC	MISC INCOME UTILITIES	162,000.00	115,342.28	46,657.72	71.20
IGOVTC	INTERGOVERNMENTAL CHARGES	1,200.00	237.75	962.25	19.81
INVTINC	INVESTMENT INCOME	49,980.00	48,540.27	1,439.73	97.12
TOTAL REVENUES		2,389,956.00	704,896.30	1,685,059.70	29.49
Expenditures					
5900	OTHER FINANCING USES	15,000.00	0.00	15,000.00	0.00
6200	PUMPING OPERATIONS	144,337.00	36,448.41	107,888.59	25.25
6210	PUMPING MAINTENANCE	73,029.00	19,229.46	53,799.54	26.33
6300	WATER TREATMENT OPERATIONS	109,622.00	35,607.37	74,014.63	32.48
6310	WATER TREATMENT MAINTENANCE	27,054.00	1,212.45	25,841.55	4.48
6450	T&D-DISTR RSRVR/STNDP MAINT	3,812.00	2,183.01	1,628.99	57.27
6451	T&D-MAINS MAINTENANCE	56,942.00	3,502.22	53,439.78	6.15
6452	T&D-SERVICES MAINTENANCE	55,870.00	3,881.00	51,989.00	6.95
6453	T&D-METERS MAINTENANCE	38,531.00	3,056.48	35,474.52	7.93
6454	T&D-HYDRANTS MAINTENANCE	50,394.00	4,029.73	46,364.27	8.00
6901	METER READING LABOR	5,329.00	256.22	5,072.78	4.81
6902	ACCOUNTING & COLLECTING LABOR	88,178.00	28,092.71	60,085.29	31.86
6920	ADMINISTRATIVE & GENERAL EXP	1,131,158.00	236,111.81	895,046.19	20.87
TOTAL EXPENDITURES		1,799,256.00	373,610.87	1,425,645.13	20.76
Fund 610 - WATER UTILITY FUND:					
TOTAL REVENUES		2,389,956.00	704,896.30	1,685,059.70	29.49
TOTAL EXPENDITURES		1,799,256.00	373,610.87	1,425,645.13	20.76
NET OF REVENUES & EXPENDITURES		590,700.00	331,285.43	259,414.57	56.08

PERIOD ENDING 04/30/2024

SELECT FUNDS

GL NUMBER	DESCRIPTION	2024 AMENDED BUDGET	YTD BALANCE 04/30/2024	AVAILABLE BALANCE	% BDGT USED
Fund 620 - SEWER UTILITY FUND					
Revenues					
OTHERREV	OTHER REVENUES	56,852.00	23.23	56,828.77	0.04
OFS	OTHER FINANCING SOURCES	15,000.00	0.00	15,000.00	0.00
UTILREV	UTILITY REVENUES	1,944,500.00	505,740.86	1,438,759.14	26.01
LICPER	LICENSES & PERMITS	25,700.00	13,218.00	12,482.00	51.43
CONTRIB	CONTRIBUTED CAPITAL	12,500.00	6,611.50	5,888.50	52.89
MISCINC	MISC INCOME UTILITIES	175,000.00	60,669.95	114,330.05	34.67
INVSTINC	INVESTMENT INCOME	78,630.00	42,731.43	35,898.57	54.34
TOTAL REVENUES		2,308,182.00	628,994.97	1,679,187.03	27.25
Expenditures					
8010	WWTP-TREATMENT/DISPOSAL/GP	665,347.00	212,840.12	452,506.88	31.99
8020	LIFT STATIONS/PUMPING EQUIP	30,386.00	7,143.87	23,242.13	23.51
8030	WASTEWATER COLLECTION SYSTEM	90,651.00	17,327.62	73,323.38	19.11
8300	ACCOUNTING/COLLECTING	85,678.00	27,709.41	57,968.59	32.34
8400	ADMINISTRATIVE & GENERAL	765,615.00	113,526.49	652,088.51	14.83
TOTAL EXPENDITURES		1,637,677.00	378,547.51	1,259,129.49	23.11
Fund 620 - SEWER UTILITY FUND:					
TOTAL REVENUES		2,308,182.00	628,994.97	1,679,187.03	27.25
TOTAL EXPENDITURES		1,637,677.00	378,547.51	1,259,129.49	23.11
NET OF REVENUES & EXPENDITURES		670,505.00	250,447.46	420,057.54	37.35

PERIOD ENDING 04/30/2024

SELECT FUNDS

GL NUMBER	DESCRIPTION	2024 AMENDED BUDGET	YTD BALANCE 04/30/2024	AVAILABLE BALANCE	% BDGT USED
TOTAL REVENUES - ALL FUNDS		13,274,347.00	5,736,907.53	7,537,439.47	43.22
TOTAL EXPENDITURES - ALL FUNDS		12,013,142.00	3,298,437.88	8,714,704.12	27.46
NET OF REVENUES & EXPENDITURES		1,261,205.00	2,438,469.65	(1,177,264.65)	193.34

Accounts Payable Cover Sheet

Report:	Period or corresponding report date		
Village Accounts Payable	5/30/2024	\$	255,206.92
Check Disbursement - Invoice Cloud	5/6/2024	\$	249.00
Check Disbursement - Payroll Related	5/9/2024	\$	10,945.89
Charter Spectrum (ACH Withdrawal)	5/9/2024	\$	336.97
Library Accounts Payable	5/10/2024	\$	19,577.28
Check Disbursement - Warrant	5/13/2024	\$	161.80
Check Disbursement - Court	5/13/2024	\$	7,178.15
Check Disbursement - We Energies	5/15/2024	\$	46,344.78
Check Disbursement - Knight Barry	5/17/2024	\$	10,000.00
Check Disbursement - Payroll Related	5/17/2024	\$	15,000.00
Check Disbursement - Payroll Related	5/17/2024	\$	1,929.21
Check Disbursement - Payroll Related	5/23/2024	\$	180,241.72
Check Disbursement - Library Manuals	5/28/2024	\$	17,899.32
US Bank (ACH Withdrawal)	5/30/2024	\$	19,656.89
Total for Approval:		\$	<u>584,727.93</u>

The preceding list of bills payable was approved for payment

Date: _____

Approved by: _____

05/30/2024 01:17 PM
User: MROCKLEY
DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO
EXP CHECK RUN DATES 06/06/2024 - 06/06/2024
UNJOURNALIZED OPEN
BANK CODE: GEN

Page: 1/10

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: ALSCO						
IMIL2017558	VILLAGE HALL WALKOFF MATS	100-5160-521900	63.37	63.37	DPW	06/06/2024
IMIL2015520	PD MAY 22 MAT CLEANING	100-5211-539400	51.89	51.89	POLICE	06/06/2024
TOTAL VENDOR ALSCO				115.26		
VENDOR NAME: AM TOWING						
W35912	2016 TAHOE TRANSMISSION SERVICE 2023	150-5222-539500	6,445.95	6,445.95	FIRE	06/06/2024
TOTAL VENDOR AM TOWING				6,445.95		
VENDOR NAME: AMAZON CAPITOL SERVICES						
1KRP3KY6LKFF	STRING TRIMMER PARTS	100-5324-539500	59.36	59.36	DPW	06/06/2024
1FXVKMGTRGNM	HEAD PHONE JACKES AND MICROPHONE STANDS	100-5521-531100	85.97	85.97	DPW	06/06/2024
TOTAL VENDOR AMAZON CAPITOL SERVICES				145.33		
VENDOR NAME: AT & T MOBILITY						
287291370101051520	PD CELL PHONES AND CRADLEPOINTS	100-5211-522500	592.98	592.98	POLICE	06/06/2024
TOTAL VENDOR AT & T MOBILITY				592.98		
VENDOR NAME: BOBS GLASS SERVICE						
W090340	DPW SHOP WINDOW REPLACEMENT	100-5323-539500	345.00	345.00	DPW	06/06/2024
TOTAL VENDOR BOBS GLASS SERVICE				345.00		
VENDOR NAME: BOUND TREE MEDICAL LLC						
85348318	EMS SUPPLIES	150-5231-531100	1,107.24	1,107.24	FIRE	06/06/2024
85346757	EMS SUPPLIES	150-5231-531100	343.37	343.37	FIRE	06/06/2024
TOTAL VENDOR BOUND TREE MEDICAL LLC				1,450.61		
VENDOR NAME: BRIGHTSPEED						
MAY 2024	MAY 2024 PHONE SERVICE	100-5142-522500	77.70	400.48	ALLOCATE	06/06/2024
		100-5211-522500	54.76			
		100-5323-522500	38.52			
		440-5511-522500	192.00			
		620-8400-851000	37.50			
TOTAL VENDOR BRIGHTSPEED				400.48		
VENDOR NAME: C & M AUTO PARTS INC						
6079-383103	TORO 5900 OIL SEALS	100-5324-539500	44.16	44.16	DPW	06/06/2024
6079-382401	TRUCK #4 CRANKSHAFT SENSOR	100-5324-539500	49.79	49.79	DPW	06/06/2024
6079-382689	SHOP HANDSOAP	100-5323-531100	25.99	25.99	DPW	06/06/2024
6079-382395	E34 REPAIRS	150-5222-539500	151.97	151.97	FIRE	06/06/2024
6079-383002	BEARINGS	100-5324-539500	29.40	29.40	DPW	06/06/2024
TOTAL VENDOR C & M AUTO PARTS INC				301.31		
VENDOR NAME: CENTRAL OFFICE SYSTEMS						
82614235	COPIER INVOICE	150-5221-531100	92.00	92.00	FIRE	06/06/2024
TOTAL VENDOR CENTRAL OFFICE SYSTEMS				92.00		
VENDOR NAME: CINTAS						
4193028600	STAFF UNIFORMS AND SHOP SUPPLIES	100-5323-531100	140.55	140.55	DPW	06/06/2024

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: CINTAS						
4193028787	UNIFORM SERVICE	610-6920-693000	62.05	124.11	UTILITIES	06/06/2024
		620-8400-856000	62.06			
4192328264	STAFF UNIFORMS AND SHOP SUPPLIES	100-5323-531100	140.55	140.55	DPW	06/06/2024
4192328305	UNIFORM SERVICE	610-6920-693000	59.49	118.99	UTILITIES	06/06/2024
		620-8400-856000	59.50			
4193755613	STAFF UNIFORMS AND SHOP SUPPLIES	100-5323-531100	131.75	131.75	DPW	06/06/2024
4193755764	UNIFORM SERVICE	610-6920-693000	62.06	124.11	UTILITIES	06/06/2024
		620-8400-851000	62.05			
TOTAL VENDOR CINTAS				780.06		
VENDOR NAME: CITY OF MUSKEGO						
248268	911 ANNUAL FEES	100-5211-522900	15,509.94	15,509.94	POLICE	06/06/2024
TOTAL VENDOR CITY OF MUSKEGO				15,509.94		
VENDOR NAME: COMEDYSPORTZ						
17-1385 DEPOSIT	COMEDY SPORTZ DOWN PAYMENT PERFORMANCE S	340-5890-580603	370.00	370.00	DPW	06/06/2024
TOTAL VENDOR COMEDYSPORTZ				370.00		
VENDOR NAME: CONLEY MEDIA, LLC						
6362410524-2	PUBLIC HEARING NOTICE	100-5632-531200	57.42	57.42	PLANNER	06/06/2024
TOTAL VENDOR CONLEY MEDIA, LLC				57.42		
VENDOR NAME: CORE & MAIN LP						
U109700	METERS	610-0000-134600	33,000.00	33,000.00	FINANCE	06/06/2024
TOTAL VENDOR CORE & MAIN LP				33,000.00		
VENDOR NAME: CUOMO, ZACHARY						
051524	CUOMO REIMBURSEMENT	150-5222-531100	34.98	34.98	FIRE	06/06/2024
TOTAL VENDOR CUOMO, ZACHARY				34.98		
VENDOR NAME: DEPARTMENT OF ADMINISTRATION						
505-0000090391	EMAIL FILTER MAY 2024	100-5111-522900	3.17	50.76	ALLOCATE	06/06/2024
		100-5120-522900	0.91			
		100-5141-522900	0.45			
		100-5142-522900	1.36			
		100-5211-522900	16.32			
		100-5241-522900	1.36			
		100-5300-522900	3.63			
		100-5512-522900	0.45			
		100-5632-522900	0.45			
		150-5221-522900	18.58			
		610-6920-692100	1.36			
		620-8400-851000	1.36			
		100-5145-522900	1.36			

05/30/2024 01:17 PM

User: MROCKLEY

DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

EXP CHECK RUN DATES 06/06/2024 - 06/06/2024

UNJOURNALIZED OPEN

BANK CODE: GEN

Page: 3/10

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	POST DATE
VENDOR NAME: DEPARTMENT OF ADMINISTRATION					
TOTAL VENDOR DEPARTMENT OF ADMINISTRATION				50.76	
VENDOR NAME: DORNER COMPANY					
510865	NORTH GATE DAM ACCUATOR REPLACEMENT	100-5254-521900	9,835.00	9,835.00 DPW	06/06/2024
TOTAL VENDOR DORNER COMPANY				9,835.00	
VENDOR NAME: EBIX					
13247	EBIX INVOICE	150-5231-521900	6,405.14	6,405.14 FIRE	06/06/2024
TOTAL VENDOR EBIX				6,405.14	
VENDOR NAME: ELECTION SYSTEMS & SOFTWARE					
CD 2089756	DS200 MAINTENANCE CONTRACT	100-5144-521900	580.68	580.68 CLERK	06/06/2024
TOTAL VENDOR ELECTION SYSTEMS & SOFTWARE				580.68	
VENDOR NAME: EMERGENCY COMMUNICATION SYSTEM					
4171	TORNADO SIREN ANNUAL MAINTENANCE	100-5235-531100	898.25	898.25 POLICE	06/06/2024
TOTAL VENDOR EMERGENCY COMMUNICATION SYSTEM				898.25	
VENDOR NAME: ENERGENECS, INC.					
0047572-IN	HUBER SCREEN BAGS	620-8010-827000	151.00	151.00 UTILITIES	06/06/2024
TOTAL VENDOR ENERGENECS, INC.				151.00	
VENDOR NAME: ENVIRONMENT CONTROL					
32161-613	VILLAGE HALL CLEANING	100-5160-521900	698.00	698.00 DPW	06/06/2024
TOTAL VENDOR ENVIRONMENT CONTROL				698.00	
VENDOR NAME: ETNA SUPPLY					
S105658829.002	ADMIN BUILDING ROOF DRAIN	620-8010-827000	15.00	15.00 UTILITIES	06/06/2024
S105658829.001	ADMIN BUILDING ROOF DRAINS	620-8010-827000	207.00	207.00 UTILITIES	06/06/2024
TOTAL VENDOR ETNA SUPPLY				222.00	
VENDOR NAME: FARINA TREE CARE					
35190	SPONGY MOTH MITIGATION FIELD PARK	100-5611-521900	3,800.00	3,800.00 DPW	06/06/2024
TOTAL VENDOR FARINA TREE CARE				3,800.00	
VENDOR NAME: GORDON FLESCH CO					

05/30/2024 01:17 PM

User: MROCKLEY

DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

EXP CHECK RUN DATES 06/06/2024 - 06/06/2024

UNJOURNALIZED OPEN

BANK CODE: GEN

Page: 4/10

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	POST DATE
VENDOR NAME: GORDON FLESCH CO					
IN14695059	CANON COPIES 04/16/24 - 05/15/24	100-5142-531200	14.91	119.40 ALLOCATE	06/06/2024
		100-5300-539900	14.05		
		100-5120-531100	5.95		
		100-5141-531100	3.70		
		100-5145-531100	6.95		
		100-5241-531200	2.78		
		100-5632-531200	3.43		
		100-5211-531200	14.66		
		150-5221-531100	14.81		
		410-5363-531200	1.19		
		440-5511-531200	13.61		
		500-5344-531200	1.66		
		610-6902-690300	11.50		
		620-8400-851000	10.20		
TOTAL VENDOR GORDON FLESCH CO				119.40	
VENDOR NAME: HAWKINS WATER TREATMENT					
6754640	CHEMICALS FOR WATER TREATMENT	610-6300-663100	1,785.77	1,785.77 UTILITIES	06/06/2024
6757041	CHEMICALS FOR WATER TREATMENT	610-6300-663100	40.00	40.00 UTILITIES	06/06/2024
6754048	POLYMER FOR SLUDGE	620-8010-825000	2,690.10	2,690.10 UTILITIES	06/06/2024
TOTAL VENDOR HAWKINS WATER TREATMENT				4,515.87	
VENDOR NAME: HINCKLEY SPRINGS					
23849324051124	LAB SUPPLIES	620-8010-826000	115.43	115.43 UTILITIES	06/06/2024
23853226051124	DPW DRINKING WATER	100-5323-531100	35.66	35.66 DPW	06/06/2024
TOTAL VENDOR HINCKLEY SPRINGS				151.09	
VENDOR NAME: HIPPENMEYER, REILLY, BLUM,					
56361	PROSECUTIONS	100-5130-521900	690.00	690.00 FINANCE	06/06/2024
TOTAL VENDOR HIPPENMEYER, REILLY, BLUM,				690.00	
VENDOR NAME: HOME DEPOT					
APRIL 2024	MISC PARK AND SHOP SUPPLIES	100-5323-531100	117.12	1,287.18 DPW	06/06/2024
		100-5521-531100	1,170.06		
TOTAL VENDOR HOME DEPOT				1,287.18	
VENDOR NAME: HORN FEEDS					
36922	FIELD PREP LIME	100-5521-531100	115.05	115.05 DPW	06/06/2024
36897	SOLAR SALT	440-5511-531100	90.00	90.00 LIBRARY	06/06/2024
TOTAL VENDOR HORN FEEDS				205.05	
VENDOR NAME: HYDROCORP					
CI-00346	COMMERCIAL CROSS CONNECTION SURVEY CONTR	610-6920-692300	1,413.00	1,413.00 UTILITIES	06/06/2024
TOTAL VENDOR HYDROCORP				1,413.00	
VENDOR NAME: JAMES IMAGING SYSTEMS					
1439687	COPIER COPIES INVOICE	150-5221-531100	159.69	159.69 FIRE	06/06/2024

21

05/30/2024 01:17 PM

User: MROCKLEY

DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

EXP CHECK RUN DATES 06/06/2024 - 06/06/2024

UNJOURNALIZED OPEN

BANK CODE: GEN

Page: 5/10

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: JAMES IMAGING SYSTEMS						
TOTAL VENDOR JAMES IMAGING SYSTEMS				159.69		
VENDOR NAME: JOHNS DISPOSAL SVC. INC.						
1352867	MY GARBAGE, RECYCLING AND YARD WASTE	410-5362-531000	27,888.55	52,125.35	DPW	06/06/2024
		410-5363-521900	3,435.35			
		410-5363-522000	20,801.45			
TOTAL VENDOR JOHNS DISPOSAL SVC. INC.				52,125.35		
VENDOR NAME: LANGE ENTERPRISES INC						
87428	STREET SIGNS	100-5348-531100	811.45	811.45	DPW	06/06/2024
TOTAL VENDOR LANGE ENTERPRISES INC				811.45		
VENDOR NAME: LEAGUE OF WI MUNICIPALITIES						
87151	HANDBOOKS FOR DEPUTY	100-5142-531100	60.00	60.00	CLERK	06/06/2024
TOTAL VENDOR LEAGUE OF WI MUNICIPALITIES				60.00		
VENDOR NAME: LIFE-ASSIST, INC.						
1434191	EMS SUPPLIES	150-5231-531100	231.76	231.76	FIRE	06/06/2024
1435579	EMS SUPPLIES	150-5231-531100	351.34	351.34	FIRE	06/06/2024
TOTAL VENDOR LIFE-ASSIST, INC.				583.10		
VENDOR NAME: MCDONOUGH SEPTIC						
I12262	PORTABLE RSTROOMS	100-5521-531100	135.00	135.00	DPW	06/06/2024
I12183	PORTABLE RESTROOMS	100-5521-531100	285.00	285.00	DPW	06/06/2024
I12185	PORTABLE RESTROOMS	100-5521-531100	95.00	95.00	DPW	06/06/2024
I12098	PORTABLE RESTROOMS	100-5521-531100	196.75	196.75	DPW	06/06/2024
I12099	PORTABLE RESTROOMS	100-5521-531100	285.00	285.00	DPW	06/06/2024
I12102	PORTABLE RESTROOMS	100-5521-531100	190.00	190.00	DPW	06/06/2024
I12100	PORTABLE RESTROOMS	100-5521-531100	95.00	95.00	DPW	06/06/2024
I12101	PORTABLE RESTROOMS	100-5521-531100	95.00	95.00	DPW	06/06/2024
TOTAL VENDOR MCDONOUGH SEPTIC				1,376.75		
VENDOR NAME: MESSAGEUS						
241210134	LONG DISTANCE PHONE SERVICE	610-6920-692100	2.96	5.92	UTILITIES	06/06/2024
		620-8400-851000	2.96			
TOTAL VENDOR MESSAGEUS				5.92		
VENDOR NAME: MP SYSTEMS						
GI00001658	FOX ST. LIGHT REAIR FROM ACCIDENT	100-5342-539500	5,699.41	5,699.41	DPW	06/06/2024
TOTAL VENDOR MP SYSTEMS				5,699.41		
VENDOR NAME: MULCAHY/SHAW WATER, INC.						
325951	PRIMARY SAMPLER REPAIR	620-8010-833000	3,606.79	3,606.79	UTILITIES	06/06/2024
TOTAL VENDOR MULCAHY/SHAW WATER, INC.				3,606.79		
VENDOR NAME: NAPA AUTO PARTS - SP018						
223241	TOOL	620-8010-827000	21.99	21.99	UTILITIES	06/06/2024

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: NAPA AUTO PARTS - SP018						
	TOTAL VENDOR NAPA AUTO PARTS - SP018			21.99		
VENDOR NAME: NORTHERN LAKE SERVICE INC						
2407915	RIVER SAMPLING	620-8400-852100	343.80	343.80	UTILITIES	06/06/2024
2407830	COMPLIANCE SAMPLING-RADIOACTIVITY	610-6300-663200	354.42	354.42	UTILITIES	06/06/2024
2407676	COMPLIANCE SAMPLING-BACTI	610-6300-663200	110.00	110.00	UTILITIES	06/06/2024
	TOTAL VENDOR NORTHERN LAKE SERVICE INC			808.22		
VENDOR NAME: PROVEN POWER INC						
02-459603	BANNERMAN BROOMS	100-5324-539500	556.39	556.39	DPW	06/06/2024
02-459602	ZERO TURN BEARING	100-5324-539500	18.90	18.90	DPW	06/06/2024
02-460198	ZERO TURN PARTS	100-5324-539500	50.62	50.62	DPW	06/06/2024
02-460199	ZERO TURN PARTS	100-5324-539500	239.62	239.62	DPW	06/06/2024
02-460194	ZERO TURN PARTS	100-5324-539500	55.88	55.88	DPW	06/06/2024
	TOTAL VENDOR PROVEN POWER INC			921.41		
VENDOR NAME: QUADIENT LEASING USA INC						
Q1325265	03/08/24 - 06/07/24 LEASE PYMT	100-5142-531500	73.36	587.34	ALLOCATE	06/06/2024
		100-5323-531500	69.13			
		100-5120-531500	29.25			
		100-5141-531100	18.21			
		100-5145-531100	34.17			
		100-5241-531500	13.69			
		100-5632-531500	16.86			
		100-5211-531500	72.13			
		150-5221-531100	72.83			
		410-5363-531500	5.87			
		440-5511-531500	66.96			
		500-5344-531500	8.16			
		610-6902-690300	56.56			
		620-8400-851000	50.16			
	TOTAL VENDOR QUADIENT LEASING USA INC			587.34		
VENDOR NAME: REINDERS, INC.						
6052807-00	TORO 5900 BLADE BEARING	100-5324-539500	513.71	513.71	DPW	06/06/2024
6051966-00	TORO 5900 SPINDLE	100-5324-539500	155.91	155.91	DPW	06/06/2024
	TOTAL VENDOR REINDERS, INC.			669.62		
VENDOR NAME: RUEKERT & MIELKE, INC.						
151649	12-00000.100 General Services	100-5335-521900	4,056.53	5,522.78	FINANCE	06/06/2024
		100-5300-521900	1,466.25			
151648	12-00000.400 Sewer Utility Services	620-8400-852000	948.75	948.75	FINANCE	06/06/2024
151650	12-10096.300 Deback Drive Infrastructure	200-5335-521900	2,921.98	2,921.98	FINANCE	06/06/2024
151651	12-10098.124 WWTF Phosphorus Assistance	620-8400-852100	2,104.90	2,104.90	FINANCE	06/06/2024
151652	12-10131.300 Atkinson Pump Station Capac	620-0000-000104	102.50	102.50	FINANCE	06/06/2024
151654	12-10135.210A 2023 VUEWorks Annual Servi	100-5344-521900	1,698.00	1,698.00	FINANCE	06/06/2024
151653	12-10135.210B 2023 VUEWorks Annual Servi	610-6920-692300	1,969.00	2,257.00	FINANCE	06/06/2024
		620-8400-852000	288.00			

05/30/2024 01:17 PM

User: MROCKLEY

DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

EXP CHECK RUN DATES 06/06/2024 - 06/06/2024

UNJOURNALIZED OPEN

BANK CODE: GEN

Page: 7/10

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: RUEKERT & MIELKE, INC.						
151656	12-10152.100 Local Limits & Industrial P	620-8400-852000	1,519.45	1,519.45	FINANCE	06/06/2024
151658	12-10169.200 Wells 3 and 4 Radium Remova	610-6920-692300	28,084.54	28,084.54	FINANCE	06/06/2024
151661	12-10196.100 Adelhelm LubriCoat Expansio	100-0000-211400	950.00	950.00	FINANCE	06/06/2024
151662	12-10206.220 Mukwonago River Dam, South	480-5700-585200	86.00	86.00	FINANCE	06/06/2024
151665	12-10215.124 Village Planning Services	100-5632-521900	8,739.13	8,739.13	FINANCE	06/06/2024
151666	12-10216.100 Azura Senior Living / Revie	100-5335-521900	538.25	538.25	FINANCE	06/06/2024
151667	12-92041.710 2024 SCADA Service Work	610-6920-692300	339.73	679.46	FINANCE	06/06/2024
		620-8400-852000	339.73			
151655	12-10149.310 EDGEWOOD CONDOS / EROSION C	100-0000-211425	207.08	207.08	FINANCE	06/06/2024
151659	12-10185.100 GS GLOBAL EXPANSION / REVIE	100-0000-211425	190.00	190.00	FINANCE	06/06/2024
151660	12-10190.100 ST. JOHN'S CHURCH EXPANSION	100-0000-211425	289.08	289.08	FINANCE	06/06/2024
151664	12-10210.100 CARDINAL RIDGE HEIN DEVELOP	100-0000-211425	142.50	142.50	FINANCE	06/06/2024
TOTAL VENDOR RUEKERT & MIELKE, INC.				56,981.40		
VENDOR NAME: SHERWIN-WILLIAMS						
9608-2	FIELD MARKING PAINT	100-5521-531100	1,095.00	1,095.00	DPW	06/06/2024
TOTAL VENDOR SHERWIN-WILLIAMS				1,095.00		
VENDOR NAME: SOMAR ENTERPRISES						
103290	NEW OFFICERS NAMETAGS	100-5212-534700	35.20	35.20	POLICE	06/06/2024
TOTAL VENDOR SOMAR ENTERPRISES				35.20		
VENDOR NAME: SOUTHERN LAKES NEWSPAPERS						
455706	OPEN BOOK NOTICE	100-5153-531200	34.29	34.29	CLERK	06/06/2024
TOTAL VENDOR SOUTHERN LAKES NEWSPAPERS				34.29		
VENDOR NAME: STERICYCLE						
8007250310	PD SHRED SERVICE	100-5211-521900	90.78	90.78	POLICE	06/06/2024
8007152200	2024 APRIL VH SHREDDING SERVICES	100-5141-531100	44.23	88.46	ALLOCATE	06/06/2024
		100-5142-531100	22.12			
		100-5632-531100	22.11			
TOTAL VENDOR STERICYCLE				179.24		
VENDOR NAME: THE UNIFORM SHOPPE OF GREEN BAY INC						
345050	NEW OFFICER VEST	100-5212-534700	899.95	899.95	POLICE	06/06/2024
343248	NEW DISPATCHER UNIFORM	100-5211-534700	60.95	60.95	POLICE	06/06/2024
TOTAL VENDOR THE UNIFORM SHOPPE OF GREEN BAY INC				960.90		
VENDOR NAME: TRIPLE CROWN PRODUCTS						
355722	HI VIZ SAFETY SHIRTS/UNIFORM	610-6920-693000	464.69	929.38	UTILITIES	06/06/2024
		620-8400-856000	464.69			
TOTAL VENDOR TRIPLE CROWN PRODUCTS				929.38		
VENDOR NAME: UNITED LABORATORIES						
INV408500	WEED SPRAY	610-6210-662300	714.75	714.75	UTILITIES	06/06/2024
INV407443	WEED SPRAY	620-8010-827000	856.41	856.41	UTILITIES	06/06/2024

2

05/30/2024 01:17 PM

User: MROCKLEY

DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

EXP CHECK RUN DATES 06/06/2024 - 06/06/2024

UNJOURNALIZED OPEN

BANK CODE: GEN

Page: 8/10

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	POST DATE
VENDOR NAME: UNITED LABORATORIES					
TOTAL VENDOR UNITED LABORATORIES				1,571.16	
VENDOR NAME: UNITED LIQUID WASTE RECYCLING INC 49276	SLUDGE HAULING	620-8010-825500	11,136.00	11,136.00 UTILITIES	06/06/2024
TOTAL VENDOR UNITED LIQUID WASTE RECYCLING INC				11,136.00	
VENDOR NAME: UNITED STATES ALLIANCE FIRE PROTECT 1046-F129244	REPLACE STATION #1 SMOKE DETECTORS IN SL100-5220-539400		2,270.00	2,270.00 DPW	06/06/2024
TOTAL VENDOR UNITED STATES ALLIANCE FIRE PROTECT				2,270.00	
VENDOR NAME: USA BLUEBOOK INV00372669	HOSE AND FITTING FOR DIEGESTER AND CHEMI	620-8010-827000	661.61	661.61 UTILITIES	06/06/2024
INV00372073	LOCATING SUPPLIES	620-8400-856000	123.49	246.97 UTILITIES	06/06/2024
		610-6920-693000	123.48		
INV00368911	WASH DOWN NOZZLES	620-8010-827000	81.14	81.14 UTILITIES	06/06/2024
INV00372857	VAC TRUCK LEAK REPAIR	620-8030-828000	122.95	122.95 UTILITIES	06/06/2024
INV00358828	HOSES/FITTINGS	620-8010-827000	912.75	997.70 UTILITIES	06/06/2024
		620-8030-828000	84.95		
INV00359373	VAC TRUCK WATER LEAK REPAIR	620-8030-828000	227.90	227.90 UTILITIES	06/06/2024
TOTAL VENDOR USA BLUEBOOK				2,338.27	
VENDOR NAME: VELOCITY LLC 2024082	APRIL 2024 OFFICE 365 LICENSING AND SENT	100-5111-522900	56.00	1,228.00 ALLOCATE	06/06/2024
		100-5120-522900	20.50		
		100-5141-522900	20.50		
		100-5142-522900	70.00		
		100-5211-522900	302.00		
		100-5241-522900	61.50		
		100-5300-522900	73.50		
		100-5512-522900	16.50		
		100-5632-522900	20.50		
		150-5221-522900	348.50		
		610-6920-692100	53.50		
		620-8400-851000	53.50		
		100-5145-522900	61.50		
		100-5150-521900	62.00		
		440-5511-534000	8.00		

05/30/2024 01:17 PM

User: MROCKLEY

DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

EXP CHECK RUN DATES 06/06/2024 - 06/06/2024

UNJOURNALIZED OPEN

BANK CODE: GEN

Page: 9/10

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	POST DATE
VENDOR NAME: VELOCITY LLC					
2024083	MAY 2024 OFFICE 365 LICENSING AND SENTIN	100-5111-522900	56.00	1,228.00 ALLOCATE	06/06/2024
		100-5120-522900	20.50		
		100-5141-522900	20.50		
		100-5142-522900	70.00		
		100-5211-522900	302.00		
		100-5241-522900	61.50		
		100-5300-522900	73.50		
		100-5512-522900	16.50		
		100-5632-522900	20.50		
		150-5221-522900	348.50		
		610-6920-692100	53.50		
		620-8400-851000	53.50		
		100-5145-522900	61.50		
		100-5150-521900	62.00		
		440-5511-534000	8.00		
2024084	03/12/24 - 05/07/24 IT SERVICES	100-5141-521901	360.00	7,910.00 ALLOCATE	06/06/2024
		100-5145-521901	405.00		
		100-5142-521901	1,215.00		
		100-5211-521901	2,160.00		
		100-5300-521901	405.00		
		150-5221-521901	360.00		
		610-6920-692300	270.00		
		620-8400-852000	270.00		
		100-5150-521900	1,845.00		
		100-5241-521901	90.00		
		100-5111-521901	180.00		
		430-5700-571100	350.00		
TOTAL VENDOR VELOCITY LLC				10,366.00	
VENDOR NAME: VERENE H CIRILLO					
MFD 17462	EBIX PATIENT REFUND MFD 17462	150-0000-130450	75.00	75.00 FINANCE	06/06/2024
TOTAL VENDOR VERENE H CIRILLO				75.00	
VENDOR NAME: VERIZON WIRELESS					
9964049167	MAY 2024 PHONE BILL	100-5141-522500	46.13	843.40 ALLOCATE	06/06/2024
		100-5241-522500	90.94		
		100-5323-522500	334.56		
		610-6920-692100	165.32		
		620-8400-851000	165.32		
		100-5632-522500	41.13		
9964049168	2024 MAY CELL BILL ACCT# 885503900-00002	100-5323-522500	(0.67)	255.05 ALLOCATE	06/06/2024
		610-6920-692100	127.86		
		620-8400-851000	127.86		
9963244095	VERIZON INVOICE	150-5221-522500	50.10	50.10 FIRE	06/06/2024
TOTAL VENDOR VERIZON WIRELESS				1,148.55	

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: WALWORTH CTY CLERK						
052324	WALWORTH CO APRIL BALLOT COSTS	100-5144-531200	250.02	250.02	CLERK	06/06/2024
TOTAL VENDOR WALWORTH CTY CLERK				250.02		
VENDOR NAME: WAUKESHA CTY TREASURER						
2024-24030023	2024 NETMOTION- INTERGRAPH-CAD-USSD	150-5221-521900	2,281.96	4,563.93	FIRE	06/06/2024
		150-5231-521900	2,281.97			
TOTAL VENDOR WAUKESHA CTY TREASURER				4,563.93		
VENDOR NAME: WI DEPT OF JUSTICE						
CLASS 11 - 2024	WI COMMAND COLLEGE TUITION - KREISER	100-5211-533500	2,000.00	2,000.00	POLICE	06/06/2024
TOTAL VENDOR WI DEPT OF JUSTICE				2,000.00		
VENDOR NAME: WI POLICE LEADERSHIP FOUNDATION						
11573	WCPA CONFERENCE - KREISER	100-5211-533500	325.00	325.00	POLICE	06/06/2024
11572	WCPA CONFERENCE - DEMOTTO	100-5211-533500	275.00	275.00	POLICE	06/06/2024
TOTAL VENDOR WI POLICE LEADERSHIP FOUNDATION				600.00		
VENDOR NAME: WI RURAL WATER ASSOCIATION						
4806	ANNUAL SAFETY TRAINING	620-8400-854100	90.36	180.72	UTILITIES	06/06/2024
		610-6920-693000	90.36			
4810 DPW	ANNUAL REFRESHER SAFETY TRAINING (3)	100-5323-533500	135.54	135.54	DPW	06/06/2024
4810 UTILITIES	ANNUAL SAFETY TRAINING	620-8400-854100	67.77	135.54	UTILITIES	06/06/2024
		610-6920-693000	67.77			
TOTAL VENDOR WI RURAL WATER ASSOCIATION				451.80		
VENDOR NAME: WISCONSIN ELEVATOR INSPECTION INC						
19155	VILLAGE HALL ELEVATOR ANNUAL INSPECTION	100-5160-521900	120.00	120.00	DPW	06/06/2024
TOTAL VENDOR WISCONSIN ELEVATOR INSPECTION INC				120.00		
GRAND TOTAL:				255,206.92		

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/06/2024	GEN	809 (E)	INVOICE CLOUD	INVOICE CLOUD MONTHLY FEES - APRIL	100-5142-539900	0.50
		809 (E)		INVOICE CLOUD MONTHLY FEES - APRIL	100-5241-539900	11.45
		809 (E)		INVOICE CLOUD MONTHLY FEES - APRIL	410-5363-539900	69.02
		809 (E)		INVOICE CLOUD MONTHLY FEES - APRIL	610-6920-692100	99.01
		809 (E)		INVOICE CLOUD MONTHLY FEES - APRIL	620-8300-840000	69.02
						249.00
TOTAL - ALL FUNDS				TOTAL OF 1 CHECKS		249.00

05/30/2024 10:16 AM
User: MROCKLEY
DB: Mukwonago

CHECK DISBURSEMENT REPORT FOR MUKWONAGO
CHECK DATE FROM 05/09/2024 - 05/09/2024
Banks: GEN

Page 1/1

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/09/2024	GEN	38611	MINNESOTA LIFE INSURANCE	JUNE 2024 LIFE INSURANCE	100-0000-215301	1,215.55
		38611		JUNE 2024 LIFE INSURANCE	150-0000-215301	219.72
		38611		JUNE 2024 LIFE INSURANCE	440-0000-215301	95.02
		38611		JUNE 2024 LIFE INSURANCE	610-0000-215301	62.11
		38611		JUNE 2024 LIFE INSURANCE	620-0000-215301	182.94
						1,775.34
05/09/2024	GEN	38612	SECURIAN FINANCIAL GROUP INC	MAY 2024 ACCIDENTAL INS	100-0000-215305	53.08
		38612		MAY 2024 ACCIDENTAL INS	150-0000-215305	11.31
		38612		MAY 2024 ACCIDENTAL INS	440-0000-215305	3.75
						68.14
05/09/2024	GEN	810 (E)	GREAT WEST RETIREMENT SERVICES	RETIREMENT GW PR 05/10/24	100-0000-215250	634.18
		810 (E)		RETIREMENT GW PR 05/10/24	150-0000-215250	2,460.48
						3,094.66
05/09/2024	GEN	811 (E)	MISSION SQUARE	RETIREMENT MS/ICMA PR 05/10/24 ID	100-0000-215250	4,205.07
		811 (E)		RETIREMENT MS/ICMA PR 05/10/24 ID	150-0000-215250	55.89
		811 (E)		RETIREMENT MS/ICMA PR 05/10/24 ID	440-0000-215250	1,054.93
		811 (E)		RETIREMENT MS/ICMA PR 05/10/24 ID	610-0000-215250	248.81
		811 (E)		RETIREMENT MS/ICMA PR 05/10/24 ID	620-0000-215250	443.05
						6,007.75
TOTAL - ALL FUNDS				TOTAL OF 4 CHECKS		10,945.89

05/30/2024 10:17 AM			CHECK DISBURSEMENT REPORT FOR MUKWONAGO				Page 1/1	
User: MROCKLEY			CHECK NUMBER 812					
DB: Mukwonago			Banks: GEN					
Check Date	Bank	Check #	Payee	Description	GL #	Amount		
05/09/2024	GEN	812 (E)	CHARTER COMMUNICATIONS	MAY 2024 MONTHLY BILL	100-5120-522500	1.56		
		812 (E)		MAY 2024 MONTHLY BILL	100-5141-522500	0.66		
		812 (E)		MAY 2024 MONTHLY BILL	100-5142-522500	5.45		
		812 (E)		MAY 2024 MONTHLY BILL	100-5145-522900	2.65		
		812 (E)		MAY 2024 MONTHLY BILL	100-5160-522500	26.95		
		812 (E)		MAY 2024 MONTHLY BILL	100-5211-522500	124.45		
		812 (E)		MAY 2024 MONTHLY BILL	100-5241-522500	1.56		
		812 (E)		MAY 2024 MONTHLY BILL	100-5323-522500	3.06		
		812 (E)		MAY 2024 MONTHLY BILL	100-5512-522500	139.99		
		812 (E)		MAY 2024 MONTHLY BILL	150-5221-522500	15.25		
		812 (E)		MAY 2024 MONTHLY BILL	410-5363-522500	0.17		
		812 (E)		MAY 2024 MONTHLY BILL	440-5511-522500	12.19		
		812 (E)		MAY 2024 MONTHLY BILL	500-5344-522500	0.09		
		812 (E)		MAY 2024 MONTHLY BILL	610-6920-692100	1.47		
		812 (E)		MAY 2024 MONTHLY BILL	620-8400-851000	1.47		
						336.97		
TOTAL - ALL FUNDS				TOTAL OF 1 CHECKS		336.97		

Check Date	Bank	Check #	Invoice	Payee	Description	Account	Dept	Amount
Fund: 440 LIBRARY FUND								
05/10/2024	GEN	38614	IMIL2007896	ALSCO	OUTSIDE SERVICES	531000	5511	85.22
05/10/2024	GEN	38615#	1N4D-HKLL-F4QQ	AMAZON CAPITOL SERVICES	OPERATIONAL SUPPLIES	531100	5511	372.27
			1Y66-YKRM-JX9V		COLLECTION MAINTENANCE & REPAIR	531600	5511	145.66
			14DR-3NWF-HX11		METASPACE MAINTENANCE	531700	5511	54.28
			1CN3-NDG3-HYK9		THINGERY COLLECTION	533000	5511	54.82
			1PPD-G674-K171		PROGRAMMING	533100	5511	37.81
			1PPD-G674-KQQ7		PROGRAMMING	533100	5511	28.35
			1CWT-7W4G-KRYP		OUTREACH	533300	5511	34.90
			1HCW-FYYF-JYQY		BOOKS	532800	5700	212.24
			1RMY-PYV1-F743		AV MATERIAL	532900	5700	741.76
			CHECK GEN 38615 TOTAL FOR FUN					
05/10/2024	GEN	38616	53377	AMERICA AQUARIA	OUTSIDE SERVICES	531000	5511	85.00
05/10/2024	GEN	38617	2038211117	BAKER & TAYLOR INC.	BOOKS	532800	5700	27.54
			2038211118		BOOKS	532800	5700	525.36
			2038220532		BOOKS	532800	5700	258.72
			2038220533		BOOKS	532800	5700	207.27
			2038234961		BOOKS	532800	5700	216.55
			2038234962		BOOKS	532800	5700	229.87
			2038244248		BOOKS	532800	5700	98.31
			2038244249		BOOKS	532800	5700	143.89
			2038251729		BOOKS	532800	5700	33.37
			2038251730		BOOKS	532800	5700	1,495.34
			2038256917		BOOKS	532800	5700	86.77
			2038256916		BOOKS	532800	5700	503.70
			2038260574		BOOKS	532800	5700	155.06
			2038260575		BOOKS	532800	5700	497.94
CHECK GEN 38617 TOTAL FOR FUN								4,479.69
05/10/2024	GEN	38618	2589	BERNSTEIN & ASSOCIATES, LLC	DONATED FUND EXPENDITURES	580600	5890	240.00
05/10/2024	GEN	38619	B6772233	BRODART	BOOKS	532800	5700	342.66
			B6772251		BOOKS	532800	5700	229.26
			B6773365		BOOKS	532800	5700	201.15
			B6774784		BOOKS	532800	5700	86.23
			B6775649		BOOKS	532800	5700	87.58
			B6779193		BOOKS	532800	5700	206.96
			B6783723		BOOKS	532800	5700	91.13

05/30/2024 10:21 AM
User: MROCKLEY
DB: Mukwonago

CHECK DISBURSEMENT REPORT FOR MUKWONAGO
CHECK NUMBER 38614 - 38635

Page 2/2

Check Date	Bank	Check #	Invoice	Payee	Description	Account	Dept	Amount
Fund: 440 LIBRARY FUND								
CHECK GEN 38619 TOTAL FOR FUN								1,244.94
05/10/2024	GEN	38620	83939434	CENGAGE LEARNING	BOOKS	532800	5700	26.39
05/10/2024	GEN	38621	686659	COMPLETE OFFICE OF WISCONSIN	OPERATIONAL SUPPLIES	531100	5511	32.06
			688682		OPERATIONAL SUPPLIES	531100	5511	11.78
			684347		OPERATIONAL SUPPLIES	531100	5511	452.01
CHECK GEN 38621 TOTAL FOR FUN								495.85
05/10/2024	GEN	38622	7471266	DEMCO INC	COLLECTION MAINTENANCE & REPAIR	531600	5511	94.74
05/10/2024	GEN	38623	WIMUK101217	FASTENAL COMPANY	OPERATIONAL SUPPLIES	531100	5511	146.02
05/10/2024	GEN	38624	36441799	GREAT AMERICAN FINANCIAL SVCS	CONTRACTUAL SERVICES	522000	5511	353.14
05/10/2024	GEN	38625	930030437	IKM BUILDING SOLUTIONS	CONTRACTUAL SERVICES	522000	5511	2,488.50
05/10/2024	GEN	38626	5212024	JENNIFER WIDOWSKI	PROGRAMMING	533100	5511	155.00
05/10/2024	GEN	38627	40050728	JOHNSON CONTROLS SECURITY	CONTRACTUAL SERVICES	522000	5511	1,742.04
05/10/2024	GEN	38628	05062024	KIDSPLAY LLC	PROGRAMMING	533100	5511	450.00
05/10/2024	GEN	38629	910	KLASSY KLEANERS	OUTSIDE SERVICES	531000	5511	2,010.00
05/10/2024	GEN	38630	505412299	MIDWEST TAPE	DIGITAL COLLECTIONS	534900	5511	1,141.81
05/10/2024	GEN	38631	221591	ROMAN ELECTRIC CO., INC.	REPAIRS & MAINTENANCE	539500	5511	422.90
05/10/2024	GEN	38632	B18191344	SHI INTERNATIONAL CORP	ELECTRONIC TOOLS & SERVICES	534000	5511	493.95
05/10/2024	GEN	38633	6122024	STAMN, MICHELE	PROGRAMMING	533100	5511	100.00
05/10/2024	GEN	38634	1046-F127614	UNITED STATES ALLIANCE FIRE P	CONTRACTUAL SERVICES	522000	5511	640.00
05/10/2024	GEN	38635	785310	ZOOLOGICAL SOCIETY OF MKE	DONATED FUND EXPENDITURES	580600	5890	1,000.00
Total for fund 440 LIBRARY FUND								19,577.28

'#'-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE DEPARTMENT

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/13/2024	GEN	38636	FRANKLIN POLICE DEPT	WAY, MORGAN C 11/16/2005 AGENCY CASE 100-0000-233200 #BJ0714851		161.80
			TOTAL - ALL FUNDS	TOTAL OF 1 CHECKS		161.80

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/13/2024	GEN	38637	JOANNE HEHN	APRIL 2024 COURT FINES & FEES	100-0000-233000	41.03
05/13/2024	GEN	38638	TREASURER STATE OF WI	APRIL 2024 COURT FINES AND FEES	100-0000-242400	5,293.87
05/13/2024	GEN	38639	TREASURER WAUKESHA COUNTY	APRIL 2024 COURT FINES & FEES	100-0000-243240	1,843.25
			TOTAL - ALL FUNDS	TOTAL OF 3 CHECKS		7,178.15

05/30/2024 11:10 AM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/13/2024 - 05/15/2024
JOURNALIZED PAID
VENDOR CODE: 0034 - CHECK TYPE: PAPER CHECK
WE ENERGIES REPORT FOR BOARD

Page: 1/6

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
5009486718 64607	WE ENERGIES 0700126680-00001 Digester Gas 620-8010-821200	04/30/2024 MROCKLEY 0700126680-00001 Digester Gas	05/13/2024	114.37 114.37	0.00	Paid	Y 05/13/2024
5009486718 64608	WE ENERGIES 0700126680-00002 Well #3 Elec 610-6200-662200	04/30/2024 MROCKLEY 0700126680-00002 Well #3 Elec	05/13/2024	1,337.72 1,337.72	0.00	Paid	Y 05/13/2024
5009486718 64609	WE ENERGIES 0700126680-00003 Street Lights 100-5342-522200	04/30/2024 MROCKLEY 0700126680-00003 Street Lights	05/13/2024	3,990.95 3,990.95	0.00	Paid	Y 05/13/2024
5009486718 64610	WE ENERGIES 0700126680-00004 Greenwald 610-6200-662200	04/30/2024 MROCKLEY 0700126680-00004 Greenwald	05/13/2024	245.93 245.93	0.00	Paid	Y 05/13/2024
5009486718 64611	WE ENERGIES 0700126680-00005 Booster Station 610-6200-662200	04/30/2024 MROCKLEY 0700126680-00005 Booster Station	05/13/2024	724.64 724.64	0.00	Paid	Y 05/13/2024
5009486718 64612	WE ENERGIES 0700126680-00006 Field Park 100-5521-522200	04/30/2024 MROCKLEY 0700126680-00006 Field Park	05/13/2024	65.88 65.88	0.00	Paid	Y 05/13/2024
5009486718 64613	WE ENERGIES 0700126680-00007 1240 N. Rochester 620-8020-821000	04/30/2024 MROCKLEY 0700126680-00007 1240 N. Rochester	05/13/2024	119.64 119.64	0.00	Paid	Y 05/13/2024
5009486718 64614	WE ENERGIES 0700126680-00008 Police Garage 100-5211-522200	04/30/2024 MROCKLEY 0700126680-00008 Police Garage	05/13/2024	131.18 131.18	0.00	Paid	Y 05/13/2024
5009486718 64615	WE ENERGIES 0700126680-00009 Fld Prk Baseball 100-5521-522200	04/30/2024 MROCKLEY 0700126680-00009 Fld Prk Baseball Lights	05/13/2024	35.78 35.78	0.00	Paid	Y 05/13/2024
5009486718 64616	WE ENERGIES 0700126680-000010 Fox River View 620-8020-821000	04/30/2024 MROCKLEY 0700126680-000010 Fox River View	05/13/2024	210.30 210.30	0.00	Paid	Y 05/13/2024

05/30/2024 11:10 AM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/13/2024 - 05/15/2024
JOURNALIZED PAID
VENDOR CODE: 0034 - CHECK TYPE: PAPER CHECK
WE ENERGIES REPORT FOR BOARD

Page: 2/6

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
5009486718 64617	WE ENERGIES 0700126680-000011 DPW Elec 100-5323-522200	04/30/2024 MROCKLEY 0700126680-000011 DPW Elec	05/13/2024	499.88 499.88	0.00	Paid	Y 05/13/2024
5009486718 64618	WE ENERGIES 0700126680-000012 Fire 150-5221-522200	04/30/2024 MROCKLEY 0700126680-000012 Fire	05/13/2024	1,581.36 1,581.36	0.00	Paid	Y 05/13/2024
5009486718 64619	WE ENERGIES 0700126680-000013 police-CTH E N of 100-5211-522200	04/30/2024 MROCKLEY 0700126680-000013 police-CTH E N of Sugd	05/13/2024	21.96 21.96	0.00	Paid	Y 05/13/2024
5009486718 64620	WE ENERGIES 0700126680-000014 Hall 100-5160-522200	04/30/2024 MROCKLEY 0700126680-000014 Hall	05/13/2024	1,201.09 1,201.09	0.00	Paid	Y 05/13/2024
5009486718 64621	WE ENERGIES 0700126680-000014 Hall Gas 100-5160-522400	04/30/2024 MROCKLEY 0700126680-000014 Hall Gas	05/13/2024	195.51 195.51	0.00	Paid	Y 05/13/2024
5009486718 64622	WE ENERGIES 0700126680-000016 Miniwauken Park 100-5521-522200	04/30/2024 MROCKLEY 0700126680-000016 Miniwauken Park	05/13/2024	36.11 36.11	0.00	Paid	Y 05/13/2024
5009486718 64623	WE ENERGIES 0700126680-000017 Holz Elec 620-8010-821100	04/30/2024 MROCKLEY 0700126680-000017 Holz Elec	05/13/2024	9,486.94 9,486.94	0.00	Paid	Y 05/13/2024
5009486718 64624	WE ENERGIES 0700126680-000018 Parks 100-5521-522200	04/30/2024 MROCKLEY 0700126680-000018 Parks	05/13/2024	21.14 21.14	0.00	Paid	Y 05/13/2024
5009486718 64625	WE ENERGIES 0700126680-000019 Atkinson Pump 620-8020-821000	04/30/2024 MROCKLEY 0700126680-000019 Atkinson Pump	05/13/2024	786.51 786.51	0.00	Paid	Y 05/13/2024
5009486718 64626	WE ENERGIES 0700126680-000020 Well #6 610-6200-662200	04/30/2024 MROCKLEY 0700126680-000020 Well #6	05/13/2024	1,088.74 1,088.74	0.00	Paid	Y 05/13/2024

05/30/2024 11:10 AM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/13/2024 - 05/15/2024
JOURNALIZED PAID
VENDOR CODE: 0034 - CHECK TYPE: PAPER CHECK
WE ENERGIES REPORT FOR BOARD

Page: 3/6

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
5009486718 64627	WE ENERGIES 0700126680-000021 DPW Gas 100-5323-522400	04/30/2024 MROCKLEY 0700126680-000021 DPW Gas	05/13/2024	265.89 265.89	0.00	Paid	Y 05/13/2024
5009486718 64628	WE ENERGIES 0700126680-000022 Concession 100-5521-522200	04/30/2024 MROCKLEY 0700126680-000022 Concession Building	05/13/2024	111.48 111.48	0.00	Paid	Y 05/13/2024
5009486718 64629	WE ENERGIES 0700126680-000023 Well #3 Gas 610-6200-662200	04/30/2024 MROCKLEY 0700126680-000023 Well #3 Gas	05/13/2024	10.56 10.56	0.00	Paid	Y 05/13/2024
5009486718 64630	WE ENERGIES 0700126680-000024 Parks-200 S 100-5342-522200	04/30/2024 MROCKLEY 0700126680-000024 Parks-200 S Rochester	05/13/2024	24.87 24.87	0.00	Paid	Y 05/13/2024
5009486718 64631	WE ENERGIES 0700126680-000025 Tower 610-6200-662200	04/30/2024 MROCKLEY 0700126680-000025 Tower	05/13/2024	27.59 27.59	0.00	Paid	Y 05/13/2024
5009486718 64632	WE ENERGIES 0700126680-000027 Police 100-5211-522200	04/30/2024 MROCKLEY 0700126680-000027 Police	05/13/2024	1,519.39 1,519.39	0.00	Paid	Y 05/13/2024
5009486718 64633	WE ENERGIES 0700126680-000028 Miniwaukan 100-5521-522200	04/30/2024 MROCKLEY 0700126680-000028 Miniwaukan Pavilion	05/13/2024	23.91 23.91	0.00	Paid	Y 05/13/2024
5009486718 64634	WE ENERGIES 0700126680-000029 F. Park Sump Pump 100-5521-522200	04/30/2024 MROCKLEY 0700126680-000029 F. Park Sump Pump	05/13/2024	20.81 20.81	0.00	Paid	Y 05/13/2024
5009486718 64635	WE ENERGIES 0700126680-00030 Andrews Street 100-5521-522200	04/30/2024 MROCKLEY 0700126680-00030 Andrews Street	05/13/2024	115.66 115.66	0.00	Paid	Y 05/13/2024
5009486718 64636	WE ENERGIES 0700126680-000031 Holz Gas 620-8010-821200	04/30/2024 MROCKLEY 0700126680-000031 Holz Gas	05/13/2024	334.33 334.33	0.00	Paid	Y 05/13/2024

05/30/2024 11:10 AM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/13/2024 - 05/15/2024
JOURNALIZED PAID
VENDOR CODE: 0034 - CHECK TYPE: PAPER CHECK
WE ENERGIES REPORT FOR BOARD

Page: 4/6

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
5009486718 64637	WE ENERGIES 0700126680-000032 Well #4 Elec 610-6200-662200	04/30/2024 MROCKLEY 0700126680-000032 Well #4 Elec	05/13/2024	4,387.77 4,387.77	0.00	Paid	Y 05/13/2024
5009486718 64638	WE ENERGIES 0700126680-000033 Parks 100-5521-522200	04/30/2024 MROCKLEY 0700126680-000033 Parks	05/13/2024	31.55 31.55	0.00	Paid	Y 05/13/2024
5009486718 64639	WE ENERGIES 0700126680-000034 Street Lights 100-5342-522200	04/30/2024 MROCKLEY 0700126680-000034 Street Lights	05/13/2024	66.88 66.88	0.00	Paid	Y 05/13/2024
5009486718 64640	WE ENERGIES 0700126680-000036 Flashers 100-5211-522200	04/30/2024 MROCKLEY 0700126680-000036 Flashers	05/13/2024	11.18 11.18	0.00	Paid	Y 05/13/2024
5009486718 64641	WE ENERGIES 0700126680-000037 Well #4 Gas 610-6200-662200	04/30/2024 MROCKLEY 0700126680-000037 Well #4 Gas	05/13/2024	62.46 62.46	0.00	Paid	Y 05/13/2024
5009486718 64642	WE ENERGIES 0700126680-000038 Museum 100-5512-522200	04/30/2024 MROCKLEY 0700126680-000038 Museum	05/13/2024	202.03 202.03	0.00	Paid	Y 05/13/2024
5009486718 64643	WE ENERGIES 0700126680-000039 Well #5 610-6200-662200	04/30/2024 MROCKLEY 0700126680-000039 Well #5	05/13/2024	2,296.20 2,296.20	0.00	Paid	Y 05/13/2024
5009486718 64644	WE ENERGIES 0700126680-00043 Outdoor Stage 100-5521-522200	04/30/2024 MROCKLEY 0700126680-00043 Outdoor Stage	05/13/2024	24.23 24.23	0.00	Paid	Y 05/13/2024
5009486718 64645	WE ENERGIES 0700126680-00048 Miniwauken Park 100-5521-522200	04/30/2024 MROCKLEY 0700126680-00048 Miniwauken Park	05/13/2024	19.02 19.02	0.00	Paid	Y 05/13/2024
5009486718 64646	WE ENERGIES 0709449777-00001 Library Gas 440-5511-522400	04/30/2024 MROCKLEY 0709449777-00001 Library Gas	05/13/2024	1,261.91 1,261.91	0.00	Paid	Y 05/13/2024

05/30/2024 11:10 AM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/13/2024 - 05/15/2024
JOURNALIZED PAID
VENDOR CODE: 0034 - CHECK TYPE: PAPER CHECK
WE ENERGIES REPORT FOR BOARD

Page: 5/6

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
5009486718 64647	WE ENERGIES 0709449777-00002 Library Elec 440-5511-522200	04/30/2024 MROCKLEY 0709449777-00002 Library Elec	05/13/2024	2,437.06 2,437.06	0.00	Paid	Y 05/13/2024
5009486718 64648	WE ENERGIES 0712697628-00001 Tower Radio Bldg 100-5211-522200	04/30/2024 MROCKLEY 0712697628-00001 Tower Radio Bldg	05/13/2024	31.06 31.06	0.00	Paid	Y 05/13/2024
5009486718 64649	WE ENERGIES 0712697628-00002 Mukw Dam 100-5254-522200	04/30/2024 MROCKLEY 0712697628-00002 Mukw Dam	05/13/2024	21.45 21.45	0.00	Paid	Y 05/13/2024
5009486718 64650	WE ENERGIES 0712697628-00003 PD Tower meter 100-5211-522200	04/30/2024 MROCKLEY 0712697628-00003 PD Tower meter #05662	05/13/2024	22.44 22.44	0.00	Paid	Y 05/13/2024
5009486718 64651	WE ENERGIES 0712697628-00004 1224 Riverton 620-8020-821000	04/30/2024 MROCKLEY 0712697628-00004 1224 Riverton	05/13/2024	143.98 143.98	0.00	Paid	Y 05/13/2024
5009486718 64652	WE ENERGIES 0712697628-00006 Well #7 610-6200-662200	04/30/2024 MROCKLEY 0712697628-00006 Well #7	05/13/2024	719.85 719.85	0.00	Paid	Y 05/13/2024
5009486718 64653	WE ENERGIES 0712697628-00007 School Crossing 100-5342-522200	04/30/2024 MROCKLEY 0712697628-00007 School Crossing Lights	05/13/2024	16.25 16.25	0.00	Paid	Y 05/13/2024
5009486718 64654	WE ENERGIES 0712697628-00008 Field Park Signage 100-5521-522200	04/30/2024 MROCKLEY 0712697628-00008 Field Park Signage	05/13/2024	53.36 53.36	0.00	Paid	Y 05/13/2024
5005971652 64655	WE ENERGIES 0700126680-00015 STREET LIGHTS 100-5342-522200	04/30/2024 MROCKLEY 0700126680-00015 STREET LIGHTS	05/13/2024	10,185.98 10,185.98	0.00	Paid	Y 05/13/2024

Inv Num	Vendor	Inv Date	Due Date	Inv Amt	Amt Due	Status	Jrnalized
Inv Ref#	Description	Entered By					Post Date
	GL Distribution						
# of Invoices:	49	# Due:	0	Totals:	46,344.78	0.00	
# of Credit Memos:	0	# Due:	0	Totals:	0.00	0.00	
Net of Invoices and Credit Memos:				46,344.78	0.00		

--- TOTALS BY GL DISTRIBUTION ---

100-5160-522200	ELECTRIC	1,201.09
100-5160-522400	GAS	195.51
100-5211-522200	ELECTRIC	1,737.21
100-5254-522200	ELECTRIC	21.45
100-5323-522200	ELECTRIC	499.88
100-5323-522400	GAS	265.89
100-5342-522200	ELECTRIC	14,284.93
100-5512-522200	ELECTRIC	202.03
100-5521-522200	ELECTRIC	558.93
150-5221-522200	ELECTRIC	1,581.36
440-5511-522200	ELECTRIC	2,437.06
440-5511-522400	GAS	1,261.91
610-6200-662200	FUEL OR POWER PURCHASED	10,901.46
620-8010-821100	WWTP ELECTRIC POWER	9,486.94
620-8010-821200	NAT GAS/ADMIN BLDG/HEAT EXCH	448.70
620-8020-821000	PUMPING POWER & FUEL	1,260.43

--- TOTALS BY FUND ---

100 - GENERAL FUND	18,966.92	0.00
150 - FIRE/AMBULANCE FUND	1,581.36	0.00
440 - LIBRARY FUND	3,698.97	0.00
610 - WATER UTILITY FUND	10,901.46	0.00
620 - SEWER UTILITY FUND	11,196.07	0.00

--- TOTALS BY DEPT/ACTIVITY ---

5160 - VILLAGE HALL	1,396.60	0.00
5211 - POLICE ADMINISTRATION	1,737.21	0.00
5221 - FIRE ADMINISTRATION	1,581.36	0.00
5254 - DAMS	21.45	0.00
5323 - GARAGE	765.77	0.00
5342 - STREET LIGHTING	14,284.93	0.00
5511 - LIBRARY SERVICES	3,698.97	0.00
5512 - MUSEUM	202.03	0.00
5521 - PARKS	558.93	0.00
6200 - PUMPING OPERATIONS	10,901.46	0.00
8010 - WWTP-TREATMENT/DISPOSAL/GP	9,935.64	0.00
8020 - LIFT STATIONS/PUMPING EQUIP	1,260.43	0.00

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/17/2024	GEN	38721	KNIGHT BARRY TITLE, INC.	EARNEST \$ ON LAND PURCHASE FROM WE ENERGIES	810-5700-582100	10,000.00
			TOTAL - ALL FUNDS	TOTAL OF 1 CHECKS		10,000.00

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/17/2024	GEN	38722	VILLAGE OF MUKWONAGO MRA	REPLENISH MRA ACCOUNT 05/16/24	100-0000-216000	15,000.00
			TOTAL - ALL FUNDS	TOTAL OF 1 CHECKS		15,000.00

05/30/2024 12:35 PM

User: MROCKLEY

DB: Mukwonago

CHECK DISBURSEMENT REPORT FOR MUKWONAGO

CHECK NUMBER 813

Banks: GEN

Page 1/1

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/17/2024	GEN	813 (E)	UKG INC.	PAYROLL PROCESSING FEES APRIL 2024	100-5111-539900	96.46
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5120-539900	27.56
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5142-539900	41.34
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5144-521900	303.16
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5145-539900	55.13
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5211-539900	151.58
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5212-539900	124.02
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5213-521900	27.56
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5241-539900	27.56
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	100-5300-539900	124.02
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	150-5221-539900	413.40
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	150-5233-531100	82.68
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	440-5511-534000	358.28
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	610-6902-690300	55.12
		813 (E)		PAYROLL PROCESSING FEES APRIL 2024	620-8300-840000	41.34
						1,929.21
TOTAL - ALL FUNDS				TOTAL OF 1 CHECKS		1,929.21

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/23/2024	GEN	38724	AFLAC	ACCOUNT# V1553 MAY 2024	100-0000-215302	231.08
		38724		ACCOUNT# V1553 MAY 2024	150-0000-215302	338.66
		38724		ACCOUNT# V1553 MAY 2024	610-0000-215302	55.59
		38724		ACCOUNT# V1553 MAY 2024	620-0000-215302	177.79
						803.12
05/23/2024	GEN	38725	MUKWONAGO PROFESSIONAL	MAY 2024 FIRE UNION DUES	150-0000-215500	900.00
05/23/2024	GEN	38726	MUKWONAGO PROFESSIONAL POLICE	MAY 2024 POLICE UNION DUES	100-0000-215500	550.00
05/23/2024	GEN	38727	VILLAGE OF MUKWONAGO MRA	MAY 2024 FSA	100-0000-215350	2,309.84
		38727		MAY 2024 FSA	150-0000-215350	974.26
		38727		MAY 2024 FSA	440-0000-215350	60.00
		38727		MAY 2024 FSA	610-0000-215350	4.87
		38727		MAY 2024 FSA	620-0000-215350	202.83
						3,551.80
05/23/2024	GEN	814 (E)	DELTA DENTAL OF WISCONSIN	JUNE 2024 DENTAL PREMIUMS	100-0000-215304	2,625.31
		814 (E)		JUNE 2024 DENTAL PREMIUMS	150-0000-215304	406.18
		814 (E)		JUNE 2024 DENTAL PREMIUMS	440-0000-215304	208.05
		814 (E)		JUNE 2024 DENTAL PREMIUMS	610-0000-215304	58.00
		814 (E)		JUNE 2024 DENTAL PREMIUMS	620-0000-215304	113.56
						3,411.10
05/23/2024	GEN	815 (E)	DELTA DENTAL OF WISCONSIN	JUNE 2024 VISION PREMIUMS	100-0000-215303	122.08
		815 (E)		JUNE 2024 VISION PREMIUMS	150-0000-215303	30.15
		815 (E)		JUNE 2024 VISION PREMIUMS	440-0000-215303	30.41
						182.64
05/23/2024	GEN	816 (E)	EMPLOYEE TRUST FUNDS	JUNE 2024 HEALTH INSURANCE	100-0000-215300	62,165.10
		816 (E)		JUNE 2024 HEALTH INSURANCE	150-0000-215300	18,318.94
		816 (E)		JUNE 2024 HEALTH INSURANCE	440-0000-215300	5,227.64
		816 (E)		JUNE 2024 HEALTH INSURANCE	610-0000-215300	4,916.42
		816 (E)		JUNE 2024 HEALTH INSURANCE	620-0000-215300	6,255.26

05/23/2024 01:15 PM			CHECK DISBURSEMENT REPORT FOR MUKWONAGO			Page 2/2	
User: MROCKLEY			CHECK DATE FROM 05/23/2024 - 05/23/2024				
DB: Mukwonago			Banks: GEN				
Check Date	Bank	Check #	Payee	Description	GL #	Amount	
						96,883.36	
05/23/2024	GEN	817 (E)	GREAT WEST RETIREMENT SERVICES	RETIREMENT GW PR 05/24/24	100-0000-215250	634.18	
		817 (E)		RETIREMENT GW PR 05/24/24	150-0000-215250	2,259.39	
						2,893.57	
05/23/2024	GEN	818 (E)	MISSION SQUARE	RETIREMENT MS/ICMA PR 05/24/24 ID	100-0000-215250	4,043.89	
		818 (E)		RETIREMENT MS/ICMA PR 05/24/24 ID	150-0000-215250	52.13	
		818 (E)		RETIREMENT MS/ICMA PR 05/24/24 ID	440-0000-215250	946.70	
		818 (E)		RETIREMENT MS/ICMA PR 05/24/24 ID	610-0000-215250	201.81	
		818 (E)		RETIREMENT MS/ICMA PR 05/24/24 ID	620-0000-215250	476.77	
						5,721.30	
05/23/2024	GEN	819 (E)	WI RETIREMENT SYSTEM	WISCONSIN RETIREMENT CONTRIBUTIONS - APRIL 2024	100-0000-215200	36,759.16	
		819 (E)		WISCONSIN RETIREMENT CONTRIBUTIONS -	150-0000-215200	17,745.67	
		819 (E)		WISCONSIN RETIREMENT CONTRIBUTIONS -	440-0000-215200	5,372.70	
		819 (E)		WISCONSIN RETIREMENT CONTRIBUTIONS -	610-0000-215200	1,915.08	
		819 (E)		WISCONSIN RETIREMENT CONTRIBUTIONS -	620-0000-215200	3,552.22	
						65,344.83	
TOTAL - ALL FUNDS				TOTAL OF 10 CHECKS	180,241.72		

Check Date	Bank	Check #	Payee	Description	GL #	Amount
05/28/2024	GEN	38728	SMIOTA	18 DOOR LOCKER	440-5890-580600	7,347.00
05/28/2024	GEN	38729	TECNO DISPLAY	DISPLAY CASE	440-5890-580600	10,552.32
			TOTAL - ALL FUNDS	TOTAL OF 2 CHECKS		17,899.32

05/30/2024 12:39 PM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 1/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
ARMOUR ABBY 64658	AMZ*BANNER BUZZ MILKWEEDS SIGN 440-5511-531100	04/23/2024 MROCKLEY	05/23/2024	31.54	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES			31.54			
ARMOUR ABBY 64659	STICKERYOU.COM WINDOW CLINGS 440-5511-533300	04/23/2024 MROCKLEY	05/23/2024	55.56	0.00	Paid	Y 05/23/2024
	OUTREACH			55.56			
ARMOUR ABBY 64660	WISCONSIN LIBRARY ASSOCIA MEMBERSHIP RENEWAL 440-5511-533500	04/25/2024 MROCKLEY	05/23/2024	249.00	0.00	Paid	Y 05/23/2024
	TRAINING & TRAVEL			249.00			
ARMOUR ABBY 64661	CANVA* I04138-72718423 BUSINESS CARDS 440-5511-531100	05/01/2024 MROCKLEY	05/23/2024	63.00	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES			63.00			
ARMOUR ABBY 64662	THE HOME DEPOT #4921 WORKBENCH 440-5890-580600	05/07/2024 MROCKLEY	05/23/2024	998.00	0.00	Paid	Y 05/23/2024
	DONATED FUND EXPENDITURES			998.00			
ARMOUR ABBY 64663	DOLLARTREE PURPLE SPRINGS PROGRAM 440-5511-533300	05/08/2024 MROCKLEY	05/23/2024	70.63	0.00	Paid	Y 05/23/2024
	OUTREACH			70.63			
ARMOUR ABBY 64664	WM SUPERCENTER #1571 PURPLE SPRINGS PROGRAM SUPPLIES 440-5511-533300	05/08/2024 MROCKLEY	05/23/2024	43.34	0.00	Paid	Y 05/23/2024
	OUTREACH			43.34			
ARMOUR ABBY 64665	US BANK CREDIT FOR WORKBENCH 440-5890-580600	05/13/2024 MROCKLEY	05/23/2024	(998.00)	0.00	Paid	Y 05/23/2024
	DONATED FUND EXPENDITURES			(998.00)			
BITTNER RONALD 64666	WWW.UI.COM MINIWAUKAN PARK SECURITY CAMERA 100-5521-531100	04/18/2024 MROCKLEY	05/23/2024	568.00	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES			568.00			

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
BITTNER RONALD 64667	ZORO TOOLS INC RESTROOM PARTS 100-5521-531100	04/19/2024 MROCKLEY OPERATIONAL SUPPLIES	05/23/2024	285.23 285.23	0.00	Paid	Y 05/23/2024
BITTNER RONALD 64668	ZORO TOOLS INC URINAL VALVE 100-5521-531100	05/01/2024 MROCKLEY OPERATIONAL SUPPLIES	05/23/2024	273.99 273.99	0.00	Paid	Y 05/23/2024
BITTNER RONALD 64669	WWW.UI.COM MINIWAUKAN PARK SECURUITY CAMERAS 100-5521-531100	05/02/2024 MROCKLEY OPERATIONAL SUPPLIES	05/23/2024	779.00 779.00	0.00	Paid	Y 05/23/2024
BROWN DAVID 64670	CSWEA COLLECTION SYSTEM SEMINAR 620-8400-854100	05/06/2024 MROCKLEY EDUCATIONAL/TRAINING EXPENSES	05/23/2024	45.00 45.00	0.00	Paid	Y 05/23/2024
BROWN DAVID 64671	MACHINE SHED PEWAUKEE SAFETY TRAINING-MEAL ALLOWANCE FOR 4 620-8400-854100 610-6920-693000	05/08/2024 MROCKLEY EDUCATIONAL/TRAINING EXPENSES MISC GENERAL EXPENSES	05/23/2024	80.00 40.00 40.00	0.00	Paid	Y 05/23/2024
CASTLE WAYNE A 64672	AMZN MKTP US*ET88C3H63 SCADA DIALER-VOIP GATEWAY 620-8010-827000	04/17/2024 MROCKLEY OPERATION SUPPLY/EXPENSE	05/23/2024	48.48 48.48	0.00	Paid	Y 05/23/2024
CASTLE WAYNE A 64673	WISCONSIN WASTEWATER OPER WWOA SEMINAR 620-8400-854100	04/22/2024 MROCKLEY EDUCATIONAL/TRAINING EXPENSES	05/23/2024	56.93 56.93	0.00	Paid	Y 05/23/2024
CASTLE WAYNE A 64674	PANDA EXPRESS # 2974 SAFETY TRAINING-MEAL ALLOWANCE FOR 3 610-6920-693000 620-8400-854100	05/09/2024 MROCKLEY MISC GENERAL EXPENSES EDUCATIONAL/TRAINING EXPENSES	05/23/2024	39.69 19.85 19.84	0.00	Paid	Y 05/23/2024
CEITHAMER EMILY 64675	ACORN TV ANNUAL US ANNUAL SUBSCRIPTION 440-5511-531800	04/15/2024 MROCKLEY THINGERY MAINTENANCE	05/23/2024	73.49 73.49	0.00	Paid	Y 05/23/2024

05/30/2024 12:39 PM

User: MROCKLEY

DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
 EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
 JOURNALIZED PAID
 BANK CODE: GEN - CHECK TYPE: EFT
 CREDIT CARD TRANSACTIONS FOR BOARD
 SORTED BY CARDHOLDER

Page: 3/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
CEITHAMER EMILY 64676	ACORN TV ANNUAL US DUPLICATE CHARGE 440-5511-531800	04/15/2024 MROCKLEY	05/23/2024	73.49	0.00	Paid	Y 05/23/2024
	THINGERY MAINTENANCE			73.49			
CEITHAMER EMILY 64677	TBL* YOGARENEW YOGA CLASS 440-5511-533500	04/15/2024 MROCKLEY	05/23/2024	113.40	0.00	Paid	Y 05/23/2024
	TRAINING & TRAVEL			113.40			
CEITHAMER EMILY 64678	DISNEYPLUS MONTHLY SUBSCRIPTION 440-5511-531800	04/20/2024 MROCKLEY	05/23/2024	15.81	0.00	Paid	Y 05/23/2024
	THINGERY MAINTENANCE			15.81			
CEITHAMER EMILY 64679	IN *RIVEREDGE NATURE CENT EXPLORE PASS/ PD BY FRIENDS 440-5890-580600	04/30/2024 MROCKLEY	05/23/2024	77.25	0.00	Paid	Y 05/23/2024
	DONATED FUND EXPENDITURES			77.25			
CEITHAMER EMILY 64680	UW MADISON SOE PLACE PLAY MAKE LEARN CONFERENCE 440-5511-533500	05/09/2024 MROCKLEY	05/23/2024	75.00	0.00	Paid	Y 05/23/2024
	TRAINING & TRAVEL			75.00			
CEITHAMER EMILY 64681	US BANK CREDIT FOR DUPLICATE CHARGE 440-5511-531800	05/09/2024 MROCKLEY	05/23/2024	(73.49)	0.00	Paid	Y 05/23/2024
	THINGERY MAINTENANCE			(73.49)			
CEITHAMER EMILY 64682	MOBILE BEACON HOTSPOT 440-5511-531800	05/10/2024 MROCKLEY	05/23/2024	264.00	0.00	Paid	Y 05/23/2024
	THINGERY MAINTENANCE			264.00			
DEMOTTO CHRIS 64683	THE HOME DEPOT #4921 CABINETS AND COUNTERTOP - DISPATCH 430-5700-571100	04/25/2024 MROCKLEY	05/23/2024	4,000.00	0.00	Paid	Y 05/23/2024
	POLICE DEPT CAPITAL EQUIP			4,000.00			
DEMOTTO CHRIS 64684	AMZN MKTP US*N83HQ9UY3 SPEAKERS AND CABLE - DISPATCH 430-5700-571100	04/28/2024 MROCKLEY	05/23/2024	100.23	0.00	Paid	Y 05/23/2024
	POLICE DEPT CAPITAL EQUIP			100.23			

05/30/2024 12:39 PM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 4/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
DEMOTTO CHRIS 64685	AMZN MKTP US*DG9OS1FV3 TRAFFIC CONTROL WARNING SIGNS - KWI MROCKLEY 340-5890-580602	05/08/2024	05/23/2024	279.80	0.00	Paid	Y 05/23/2024
	POLICE DESIGNATED FUND EXPENDITURES			279.80			
DEMOTTO CHRIS 64686	AMZN MKTP US*OV0YP86U3 TRAFFIC CONTROL WARNING SIGNS - KWI MROCKLEY 340-5890-580602	05/08/2024	05/23/2024	419.97	0.00	Paid	Y 05/23/2024
	POLICE DESIGNATED FUND EXPENDITURES			419.97			
DEMOTTO CHRIS 64687	AMZN MKTP US*HT0GC4F83 TRAFFIC CONTROL VESTS - KWI TRIP MROCKLEY 340-5890-580602	05/12/2024	05/23/2024	35.78	0.00	Paid	Y 05/23/2024
	POLICE DESIGNATED FUND EXPENDITURES			35.78			
DOHERTY DIANA 64688	ICMA ONLINE ANNUAL RENEWAL 100-5145-532400	04/16/2024 MROCKLEY	05/23/2024	200.00	0.00	Paid	Y 05/23/2024
	MEMBERSHIP DUES			200.00			
DOHERTY DIANA 64689	VBS*VONAGE BUSINESS VONAGE PHONE BILL - NEW UTILITY LINE MROCKLEY 610-6920-692100 620-8400-851000	04/24/2024	05/23/2024	26.94	0.00	Paid	Y 05/23/2024
	OFFICE SUPPLIES & EXPENSES			13.47			
	OFFICE SUPPLIES & EXPENSES			13.47			
DOHERTY DIANA 64690	VBS*VONAGE BUSINESS MAY 2024 VONAGE PHONE BILL 100-5141-522500 100-5142-522500 100-5145-522900 100-5241-522500 100-5323-522500 100-5512-522500 100-5120-522500 100-5211-522500 150-5221-522500 440-5511-522500 610-6920-692100 620-8400-851000	05/12/2024 MROCKLEY	05/23/2024	1,573.89	0.00	Paid	Y 05/23/2024
	TELEPHONE			19.49			
	TELEPHONE			87.98			
	SOFTWARE SUPPORT/MAINTENANCE			87.75			
	TELEPHONE			58.48			
	TELEPHONE			58.73			
	TELEPHONE			19.49			
	TELEPHONE			19.49			
	TELEPHONE			365.11			
	TELEPHONE			356.14			
	TELEPHONE			398.52			
	OFFICE SUPPLIES & EXPENSES			51.36			
	OFFICE SUPPLIES & EXPENSES			51.35			
DOHERTY DIANA 64691	LEAGUE OF WISCONSIN MUNI BUDGET & DEBT WEBINAR	05/14/2024 MROCKLEY	05/23/2024	75.00	0.00	Paid	Y 05/23/2024

05/30/2024 12:39 PM

User: MROCKLEY

DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
 EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
 JOURNALIZED PAID
 BANK CODE: GEN - CHECK TYPE: EFT
 CREDIT CARD TRANSACTIONS FOR BOARD
 SORTED BY CARDHOLDER

Page: 5/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
	100-5145-533500	TRAINING & TRAVEL		75.00			
DYKSTRA DIANA 64692	EB ZONING WORKSHOP FO T RUTENBECK ZONING WORKSHOP 100-5632-539900	04/17/2024 MROCKLEY	05/23/2024	20.00	0.00	Paid	Y 05/23/2024
		T RUTENBECK ZONING WORKSHOP		20.00			
DYKSTRA DIANA 64693	DOLLARTREE LG RETIREMENT SUPPLIES 100-5141-539800	04/25/2024 MROCKLEY	05/23/2024	26.25	0.00	Paid	Y 05/23/2024
		LG RETIREMENT SUPPLIES		26.25			
DYKSTRA DIANA 64694	THAT PLACE LG RETIREMENT PARTY 100-5141-539800	04/25/2024 MROCKLEY	05/23/2024	825.00	0.00	Paid	Y 05/23/2024
		LG RETIREMENT PARTY		825.00			
DYKSTRA DIANA 64695	WAL-MART #1571 LG RETIREMENT 100-5141-539800	04/26/2024 MROCKLEY	05/23/2024	42.96	0.00	Paid	Y 05/23/2024
		LG RETIREMENT		42.96			
DYKSTRA DIANA 64696	LOCAL GOVERNMENT EDUCATIO UWGB DEPUTY CLERK IN-PERSON 100-5142-533500	04/26/2024 MROCKLEY	05/23/2024	150.00	0.00	Paid	Y 05/23/2024
		UWGB DEPUTY CLERK		150.00			
DYKSTRA DIANA 64697	FORK IN THE ROAD VH CLERK WEEK LUNCHEON 100-5142-539900	05/08/2024 MROCKLEY	05/23/2024	19.43	0.00	Paid	Y 05/23/2024
		VH CLERK WEEK LUNCHEON		19.43			
DYKSTRA DIANA 64698	FORK IN THE ROAD VH CLERK WEEK LUNCHEON 100-5142-539900	05/08/2024 MROCKLEY	05/23/2024	137.67	0.00	Paid	Y 05/23/2024
		VH CLERK WEEK LUNCHEON		137.67			
DYKSTRA DIANA 64699	NIU OUTREACH WCMA SUMMER CONF 100-5141-533500	05/10/2024 MROCKLEY	05/23/2024	200.00	0.00	Paid	Y 05/23/2024
		WCMA SUMMER CONF		200.00			
KIM CATHRYN 64700	DOLLARTREE PROGRAM SUPPLIES 440-5511-533100	04/16/2024 MROCKLEY	05/23/2024	53.75	0.00	Paid	Y 05/23/2024
		PROGRAMMING		53.75			

05/30/2024 12:39 PM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 6/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
KIM CATHRYN 64701	SQ *SUNSET PLAYHOUSE LITTLE RED HEN PERFORMANCE 440-5511-533100	04/17/2024 MROCKLEY	05/23/2024	310.00 310.00	0.00	Paid	Y 05/23/2024
	PROGRAMMING						
KIM CATHRYN 64702	TRIPLE CROWN PRODUCTS LIBRARY T-SHIRTS 440-5511-533300	04/25/2024 MROCKLEY	05/23/2024	236.01 236.01	0.00	Paid	Y 05/23/2024
	OUTREACH						
KIM CATHRYN 64703	WM SUPERCENTER #1571 PROGRAM PRIZE 440-5511-533100	04/30/2024 MROCKLEY	05/23/2024	50.00 50.00	0.00	Paid	Y 05/23/2024
	PROGRAMMING						
KIM CATHRYN 64704	NETFLIX.COM 5/1/24-5/31/24 SERVICE 440-5511-531800	05/01/2024 MROCKLEY	05/23/2024	22.99 22.99	0.00	Paid	Y 05/23/2024
	THINGERY MAINTENANCE						
KIM CATHRYN 64705	TLF*AMERICANA FLOWER STAT STAFF FLOWERS 440-5890-580600	05/02/2024 MROCKLEY	05/23/2024	71.98 71.98	0.00	Paid	Y 05/23/2024
	DONATED FUND EXPENDITURES						
KIM CATHRYN 64706	QDOBA 1857 CATERING STAFF DEVELOPMENT DAY 440-5511-533500	05/04/2024 MROCKLEY	05/23/2024	186.18 186.18	0.00	Paid	Y 05/23/2024
	TRAINING & TRAVEL						
KIM CATHRYN 64707	D J*WALL-ST-JOURNAL SUBSCRIPTION/ QUARTERLY 440-5511-532700	05/06/2024 MROCKLEY	05/23/2024	194.97 194.97	0.00	Paid	Y 05/23/2024
	NEWSPAPERS						
KIM CATHRYN 64708	SP IGLU SOFT PLAY LTD SOFT PLAY SETS 440-5890-580600	05/06/2024 MROCKLEY	05/23/2024	598.00 598.00	0.00	Paid	Y 05/23/2024
	DONATED FUND EXPENDITURES						
KIM CATHRYN 64709	WALGREENS #7039 EMPLOYEE GIFT 440-5890-580600	05/10/2024 MROCKLEY	05/23/2024	24.96 24.96	0.00	Paid	Y 05/23/2024
	DONATED FUND EXPENDITURES						

05/30/2024 12:39 PM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 7/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
KIM CATHRYN 64710	AZAR INTERNATIONAL INC PLASTIC WALL FRAMES 440-5511-531100	05/13/2024 MROCKLEY	05/23/2024	76.70 76.70	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES						
KIM CATHRYN 64711	JOHNSON PLASTICS PLUS PROGRAM SUPPLIES 440-5511-531700	05/14/2024 MROCKLEY	05/23/2024	78.99 78.99	0.00	Paid	Y 05/23/2024
	METASPACE MAINTENANCE						
KIM CATHRYN 64712	EPILOG LASER ECOMMERCE LENS CLEANER 440-5511-531700	05/15/2024 MROCKLEY	05/23/2024	9.50 9.50	0.00	Paid	Y 05/23/2024
	METASPACE MAINTENANCE						
KREISER ROBERT 64713	LS WON-A-GO BIKING NEW BIKE PATROL OFFICER HELMET 100-5212-534700	05/04/2024 MROCKLEY	05/23/2024	49.99 49.99	0.00	Paid	Y 05/23/2024
	NEW UNIFORM ISSUE						
KREISER ROBERT 64714	AMAZON RET* 114-339907 BOOK REQUIRED FOR IPMBA BICYCLE 100-5215-531100	05/10/2024 MROCKLEY	05/23/2024	46.39 46.39	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES						
KUBIAK MICHAEL 64715	AMZN MKTP US*L18UI8VM3 NNO GIVEAWAY ITEMS 340-5890-580602	04/15/2024 MROCKLEY	05/23/2024	18.62 18.62	0.00	Paid	Y 05/23/2024
	POLICE DESIGNATED FUND EXPENDITURES						
KUBIAK MICHAEL 64716	AMZN MKTP US*O67UF7IF3 NNO GIVEAWAY ITEMS 340-5890-580602	04/20/2024 MROCKLEY	05/23/2024	128.60 128.60	0.00	Paid	Y 05/23/2024
	POLICE DESIGNATED FUND EXPENDITURES						
KUBIAK MICHAEL 64717	NATIONAL CHILD ID PROGRAM NNO CHILD ID KITS 340-5890-580602	04/25/2024 MROCKLEY	05/23/2024	73.50 73.50	0.00	Paid	Y 05/23/2024
	POLICE DESIGNATED FUND EXPENDITURES						
KUBIAK MICHAEL 64718	AMAZON.COM*IK0A60X93 EXTENDIBLE HANDLES FOR SQUAD BROOMS 100-5212-531100	04/28/2024 MROCKLEY	05/23/2024	40.00 40.00	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES						

05/30/2024 12:39 PM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 8/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
KUBIAK MICHAEL 64719	AMZN MKTP US*8X14C3JF3 NNO RAFFLE PRIZE 340-5890-580602	05/01/2024 MROCKLEY	05/23/2024	97.95	0.00	Paid	Y 05/23/2024
		POLICE DESIGNATED FUND EXPENDITURES		97.95			
KUBIAK MICHAEL 64720	BUILDASIGN NNO SIGNS 340-5890-580602	05/02/2024 MROCKLEY	05/23/2024	311.50	0.00	Paid	Y 05/23/2024
		POLICE DESIGNATED FUND EXPENDITURES		311.50			
KUBIAK MICHAEL 64721	OTC BRANDS INC NNO SIGN 340-5890-580602	05/02/2024 MROCKLEY	05/23/2024	27.99	0.00	Paid	Y 05/23/2024
		POLICE DESIGNATED FUND EXPENDITURES		27.99			
KUBIAK MICHAEL 64722	AMZN MKTP US*OW65R2753 NNO DRY ERASE WHITEBOARD 340-5890-580602	05/03/2024 MROCKLEY	05/23/2024	87.90	0.00	Paid	Y 05/23/2024
		POLICE DESIGNATED FUND EXPENDITURES		87.90			
MILLER KENNETH 64723	US BANK DIGESTOR-HVAC ACTUATOR REFUND 620-8010-827000	04/15/2024 MROCKLEY	05/23/2024	(315.00)	0.00	Paid	Y 05/23/2024
		OPERATION SUPPLY/EXPENSE		(315.00)			
MILLER KENNETH 64724	WM SUPERCENTER #1571 OFFICE SUPPLIES 620-8400-851000 610-6920-692100	05/01/2024 MROCKLEY	05/23/2024	53.05	0.00	Paid	Y 05/23/2024
		OFFICE SUPPLIES & EXPENSES		26.52			
		OFFICE SUPPLIES & EXPENSES		26.53			
MILLER KENNETH 64725	SUPPLYHOUSE.COM DIGESTOR-HVAC ACTUATOR 620-8010-827000	05/06/2024 MROCKLEY	05/23/2024	308.38	0.00	Paid	Y 05/23/2024
		OPERATION SUPPLY/EXPENSE		308.38			
PETERSON RANDY 64726	MCMaster-CARR BEARINGS 100-5324-539500	04/18/2024 MROCKLEY	05/23/2024	51.89	0.00	Paid	Y 05/23/2024
		REPAIRS & MAINTENANCE		51.89			
PETERSON RANDY 64727	EAS*THE EASTWOOD COMPA TIG WELDER 100-5323-531100	04/30/2024 MROCKLEY	05/23/2024	760.85	0.00	Paid	Y 05/23/2024
		OPERATIONAL SUPPLIES		760.85			

05/30/2024 12:39 PM

User: MROCKLEY

DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 9/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
PETERSON RANDY 64728	VBELTS4LESS LLC MOWER BELTS 100-5324-539500	05/02/2024 MROCKLEY REPAIRS & MAINTENANCE	05/23/2024	120.67 120.67	0.00	Paid	Y 05/23/2024
RUTENBECK TIM 64729	DOA E PAY DOC SALES BUILDING PERMIT STATE SEALS 100-5241-531100	05/03/2024 MROCKLEY BUILDING PERMIT STATE SEALS	05/23/2024	837.49 837.49	0.00	Paid	Y 05/23/2024
RUTENBECK TIM 64730	DSPTS E SERVICE FEE REN DSPTS CONVENIENCE FEE 100-5241-533500	05/14/2024 MROCKLEY DSPTS CONVENIENCE FEE	05/23/2024	0.90 0.90	0.00	Paid	Y 05/23/2024
RUTENBECK TIM 64731	WI DSPTS LICENSURE WI DSPTS LICENCSE RUTENBECK 100-5241-533500	05/14/2024 MROCKLEY WI DSPTS LIC RUTENBECK	05/23/2024	40.00 40.00	0.00	Paid	Y 05/23/2024
SMITH JAMES A 64732	WM SUPERCENTER #1571 LAB SUPPLIES 620-8010-826000	04/15/2024 MROCKLEY LABORATORY	05/23/2024	15.04 15.04	0.00	Paid	Y 05/23/2024
SMITH JAMES A 64733	WM SUPERCENTER #1571 LAB SUPPLIES 620-8010-826000	04/17/2024 MROCKLEY LABORATORY	05/23/2024	33.53 33.53	0.00	Paid	Y 05/23/2024
SMITH JAMES A 64734	PRIMO WATER LAB SUPPLIES 620-8010-826000	05/09/2024 MROCKLEY LABORATORY	05/23/2024	252.32 252.32	0.00	Paid	Y 05/23/2024
STIEN JEFFREY R 64735	US BANK HOME DEPOT CREDIT 150-5222-539500	04/22/2024 MROCKLEY REPAIRS & MAINTENANCE	05/23/2024	(141.55) (141.55)	0.00	Paid	Y 05/23/2024
STIEN JEFFREY R 64736	THE HOME DEPOT 4921 STATION 2 REPAIRS 150-5222-539500	04/22/2024 MROCKLEY REPAIRS & MAINTENANCE	05/23/2024	348.88 348.88	0.00	Paid	Y 05/23/2024

05/30/2024 12:39 PM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 10/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
STIEN JEFFREY R 64737	THE HOME DEPOT #4921 PLYMOVENT SYSTEM REPAIR 150-5222-539500	04/22/2024 MROCKLEY	05/23/2024	37.63 37.63	0.00	Paid	Y 05/23/2024
	REPAIRS & MAINTENANCE						
STIEN JEFFREY R 64738	SCUBA.COM 2024 CLOTHING ALLOWANCE - LAABS 150-5233-534600	05/07/2024 MROCKLEY	05/23/2024	419.43 419.43	0.00	Paid	Y 05/23/2024
	CLOTHING ALLOWANCE						
STIEN JEFFREY R 64739	METRO MARKET #384 STATION SUPPLIES 150-5221-531100	05/10/2024 MROCKLEY	05/23/2024	41.95 41.95	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES						
STREIT DANIEL 64740	AMAZON RET* 114-622254 SANDISK 2TB PORTABLE SSD 100-5213-531100	04/17/2024 MROCKLEY	05/23/2024	163.53 163.53	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES						
STREIT DANIEL 64741	THE HOME DEPOT #4921 CABINETS AND COUNTERTOPS - DISPATCH 430-5700-571100	04/25/2024 MROCKLEY	05/23/2024	821.35 821.35	0.00	Paid	Y 05/23/2024
	POLICE DEPT CAPITAL EQUIP						
STREIT DANIEL 64742	THE HOME DEPOT #4921 COUNTERTOP - DISPATCH REMODEL 430-5700-571100	04/25/2024 MROCKLEY	05/23/2024	1,113.75 1,113.75	0.00	Paid	Y 05/23/2024
	POLICE DEPT CAPITAL EQUIP						
STREIT DANIEL 64743	AMZN MKTP US*TP1SU0DS3 DISPATCH HEADSETE EARPAD REPLACEMENT 100-5211-539500	04/29/2024 MROCKLEY	05/23/2024	36.95 36.95	0.00	Paid	Y 05/23/2024
	REPAIRS & MAINTENANCE						
STREIT DANIEL 64744	AMZN MKTP US*ZPOMK2H33 CAR ADAPTER FOR TRACS PRINTER 100-5212-531100	05/11/2024 MROCKLEY	05/23/2024	36.83 36.83	0.00	Paid	Y 05/23/2024
	OPERATIONAL SUPPLIES						
SUKOWATY JAYME 64745	USPS PO 5657100149 COMPLIANCE SAMPLING-FLUORIDE POSTAGE 610-6300-663200	05/03/2024 MROCKLEY	05/23/2024	5.10 5.10	0.00	Paid	Y 05/23/2024
	OPERATION SUPPLY/EXP-TREATMENT						

Inv Num	Vendor	Inv Date	Due Date	Inv Amt	Amt Due	Status	Jrnalized
Inv Ref#	Description	Entered By					Post Date
	GL Distribution						

Purchase Card Vendor: 0002 US BANK

SURA MATTHEW J							
64746	BESTBUYCOM806930583110	04/30/2024	05/23/2024	6.50	0.00	Paid	Y
	BEST BUY TAX CHARGE	MROCKLEY					05/23/2024
	150-5221-531100	OPERATIONAL SUPPLIES		6.50			
SURA MATTHEW J							
64747	UMBC CASHIER	05/07/2024	05/23/2024	65.00	0.00	Paid	Y
	FICKAU UMBC CRITICAL CARE RENEWAL	MROCKLEY					05/23/2024
	150-5221-533500	TRAINING & TRAVEL		65.00			
SURA MATTHEW J							
64748	APPLE.COM/BILL	05/08/2024	05/23/2024	0.99	0.00	Paid	Y
	APPLE STORAGE	MROCKLEY					05/23/2024
	150-5231-531100	OPERATIONAL SUPPLIES		0.99			
ZAESKE DEBBIE							
64749	V FOX VALLEY TECHNICAL CO	04/25/2024	05/23/2024	295.00	0.00	Paid	Y
	LEAP CONFERENCE REGISTRATION -	MROCKLEY					05/23/2024
	100-5211-533500	TRAINING & TRAVEL		295.00			
ZAESKE DEBBIE							
64750	TN FOX VALLEY TECH PAYPAT	04/25/2024	05/23/2024	8.70	0.00	Paid	Y
	LEAP CONFERENCE REGISTRATION FEE -	MROCKLEY					05/23/2024
	100-5211-533500	TRAINING & TRAVEL		8.70			

Total Purchase Card Vendor: 0002 US BANK				19,656.89	0.00
# of Invoices:	89	# Due:	0	Totals:	21,184.93
# of Credit Memos:	4	# Due:	0	Totals:	(1,528.04)
Net of Invoices and Credit Memos:				19,656.89	0.00

--- TOTALS BY GL DISTRIBUTION ---

100-5120-522500	TELEPHONE	19.49
100-5141-522500	TELEPHONE	19.49
100-5141-533500	TRAINING & TRAVEL	200.00
100-5141-539800	EMPLOYEE RECOGNITION	894.21
100-5142-522500	TELEPHONE	87.98
100-5142-533500	TRAINING & TRAVEL	150.00
100-5142-539900	OTHER	157.10
100-5145-522900	SOFTWARE SUPPORT/MAINTENANCE	87.75
100-5145-532400	MEMBERSHIP DUES	200.00
100-5145-533500	TRAINING & TRAVEL	75.00
100-5211-522500	TELEPHONE	365.11

05/30/2024 12:39 PM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 12/14

Inv Num Inv Ref#	Vendor Description	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
	GL Distribution						
100-5211-533500	TRAINING & TRAVEL			303.70			
100-5211-539500	REPAIRS & MAINTENANCE			36.95			
100-5212-531100	OPERATIONAL SUPPLIES			76.83			
100-5212-534700	NEW UNIFORM ISSUE			49.99			
100-5213-531100	OPERATIONAL SUPPLIES			163.53			
100-5215-531100	OPERATIONAL SUPPLIES			46.39			
100-5241-522500	TELEPHONE			58.48			
100-5241-531100	OPERATIONAL SUPPLIES			837.49			
100-5241-533500	TRAINING & TRAVEL			40.90			
100-5323-522500	TELEPHONE			58.73			
100-5323-531100	OPERATIONAL SUPPLIES			760.85			
100-5324-539500	REPAIRS & MAINTENANCE			172.56			
100-5512-522500	TELEPHONE			19.49			
100-5521-531100	OPERATIONAL SUPPLIES			1,906.22			
100-5632-539900	OTHER			20.00			
150-5221-522500	TELEPHONE			356.14			
150-5221-531100	OPERATIONAL SUPPLIES			48.45			
150-5221-533500	TRAINING & TRAVEL			65.00			
150-5222-539500	REPAIRS & MAINTENANCE			244.96			
150-5231-531100	OPERATIONAL SUPPLIES			0.99			
150-5233-534600	CLOTHING ALLOWANCE			419.43			
340-5890-580602	POLICE DESIGNATED FUND EXPENDITURES			1,481.61			
430-5700-571100	POLICE DEPT CAPITAL EQUIP			6,035.33			
440-5511-522500	TELEPHONE			398.52			
440-5511-531100	OPERATIONAL SUPPLIES			171.24			
440-5511-531700	METASPACE MAINTENANCE			88.49			
440-5511-531800	THINGERY MAINTENANCE			376.29			
440-5511-532700	NEWSPAPERS			194.97			
440-5511-533100	PROGRAMMING			413.75			
440-5511-533300	OUTREACH			405.54			
440-5511-533500	TRAINING & TRAVEL			623.58			
440-5890-580600	DONATED FUND EXPENDITURES			772.19			
610-6300-663200	OPERATION SUPPLY/EXP-TREATMENT			5.10			
610-6920-692100	OFFICE SUPPLIES & EXPENSES			91.36			
610-6920-693000	MISC GENERAL EXPENSES			59.85			
620-8010-826000	LABORATORY			300.89			
620-8010-827000	OPERATION SUPPLY/EXPENSE			41.86			
620-8400-851000	OFFICE SUPPLIES & EXPENSES			91.34			
620-8400-854100	EDUCATIONAL/TRAINING EXPENSES			161.77			

05/30/2024 12:39 PM
User: MROCKLEY
DB: Mukwonago

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Page: 13/14

Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
--- TOTALS BY FUND ---							
	100 - GENERAL FUND			6,808.24	0.00		
	150 - FIRE/AMBULANCE FUND			1,134.97	0.00		
	340 - VILLAGE DESIGNATED FUND			1,481.61	0.00		
	430 - CAPITAL EQUIPMENT FUND			6,035.33	0.00		
	440 - LIBRARY FUND			3,444.57	0.00		
	610 - WATER UTILITY FUND			156.31	0.00		
	620 - SEWER UTILITY FUND			595.86	0.00		
--- TOTALS BY DEPT/ACTIVITY ---							
	5120 - MUNICIPAL COURT			19.49	0.00		
	5141 - VILLAGE ADMINISTRATOR			1,113.70	0.00		
	5142 - CLERK-TREASURER			395.08	0.00		
	5145 - FINANCE DEPARTMENT			362.75	0.00		
	5211 - POLICE ADMINISTRATION			705.76	0.00		
	5212 - POLICE PATROL			126.82	0.00		
	5213 - CRIME INVESTIGATION			163.53	0.00		
	5215 - POLICE TRAINING			46.39	0.00		
	5221 - FIRE ADMINISTRATION			469.59	0.00		
	5222 - FIRE SUPPRESSION			244.96	0.00		
	5231 - AMBULANCE			0.99	0.00		
	5233 - REFERENDUM FUNDED STAFFING			419.43	0.00		
	5241 - BUILDING INSPECTOR			936.87	0.00		
	5323 - GARAGE			819.58	0.00		
	5324 - MACHINERY & EQUIPMENT			172.56	0.00		
	5511 - LIBRARY SERVICES			2,672.38	0.00		
	5512 - MUSEUM			19.49	0.00		
	5521 - PARKS			1,906.22	0.00		
	5632 - PLANNING DEPARTMENT			20.00	0.00		
	5700 - CAPITAL OUTLAY EXPENDITURES			6,035.33	0.00		
	5890 - USE OF DESIGNATED FUNDS			2,253.80	0.00		
	6300 - WATER TREATMENT OPERATIONS			5.10	0.00		
	6920 - ADMINISTRATIVE & GENERAL EX			151.21	0.00		
	8010 - WWTP-TREATMENT/DISPOSAL/GP			342.75	0.00		
	8400 - ADMINISTRATIVE & GENERAL			253.11	0.00		
--- TOTALS BY PAYMENT CARD ACCOUNT ---							
	0366			1,875.83			
	0707			1,914.03			
	1086			878.39			
	1128			303.70			

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 05/23/2024 - 05/23/2024
JOURNALIZED PAID
BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

Inv Num	Vendor	Inv Date	Due Date	Inv Amt	Amt Due	Status	Jrnalized
Inv Ref#	Description	Entered By					Post Date
	GL Distribution						
--- TOTALS BY PAYMENT CARD ACCOUNT ---							
	1275			125.00			
	1552			618.95			
	3049			5.10			
	3064			4,835.78			
	4175			96.38			
	5177			1,421.31			
	5311			513.07			
	5538			2,172.41			
	5724			72.49			
	6370			706.34			
	6639			145.10			
	6721			786.06			
	7403			300.89			
	8389			46.43			
	9625			933.41			
	9708			1,906.22			



Agenda Item Cover Report

Date: May 30, 2024	Committee/Board: Finance
Submitted by: Diana Doherty	Department: Finance
Date of Committee Action: June 5, 2024	Date of Village Board Action:

Subject:

Funding options for proposed prepayment of the Fire Dept's replacement Fire Engine

Executive Summary:

The purchase of a replacement Fire Engine, which is in the CIP for 2026, presents some potential savings from one of the Vendors being considered if we are willing to prepay some or all of the cost of the engine. The Village maintains a designated fund for the Fire Dept which contains the Village's portion of annual Fire Dept settlements for one-time uses such as capital equipment. The balance in this fund as of 12/31/2023, which includes the 2023 settlement, is \$423,328. Of that balance, \$162,000 is already budgeted for 2024 equipment purchases and another \$54,000 for items the Chief requested but which hadn't been approved by both boards prior to the final 2023 settlement. After those items are subtracted, the balance is \$207,328 which can be used towards the prepayment of the Fire Engine.

The remaining funds needed for the balance of the Village's share of the cost could come from General Fund reserves which exceed the 25% balance required per policy. Village policy states these excess funds can be used for one-time purchases. The General Fund has \$1,083,637 in reserves over the required balance, excluding what has already been budgeted for use in the 2024 budget at the time of adoption.

Fiscal Impact:

There is an opportunity for the Village to receive a credit against the purchase price. This needs to be factored against any potential risks which Chief Stien will discuss at the meeting.

Executive Recommendation/Action:

This is for informational purposes. If directed, a formal resolution will come back to the board for action.

☐ **Attachments Included**

Clerk-Treasurer's Office

440 River Crest Ct.

Mukwonago, WI 53149

www.villageofmukwonago.gov



Room Tax Report

* 6% Room Tax - Self Reporting

Annual Report to the Board

Date	From	Receipt Period	Village	Chamber
1/23/2023	Home Away		\$ 98.98	\$ 230.96
1/23/2023	Expedia		\$ 259.22	\$ 604.85
3/14/2023	945 Greenwald Ct.		\$ 657.91	\$ 1,535.14
4/19/2023	945 Greenwald Ct.		\$ 752.96	\$ 1,756.91
4/19/2023	Agoda		\$ 3.64	\$ 8.48
4/24/2023	Expedia		\$ 213.45	\$ 498.05
5/12/2023	945 Greenwald Ct.		\$ 1,346.54	\$ 3,141.94
6/22/2023	945 Greenwald Ct.		\$ 1,221.00	\$ 2,851.19
7/20/2023	Agoda		\$ 17.09	\$ 39.86
7/24/2023	Expedia		\$ 351.98	\$ 821.30
7/24/2023	945 Greenwald Ct.		\$ 1,777.57	\$ 4,147.68
8/21/2023	945 Greenwald Ct.		\$ 2,063.43	\$ 4,814.67
9/21/2023	945 Greenwald Ct.		\$ 1,573.70	\$ 3,671.96
10/27/2023	945 Greenwald Ct.		\$ 1,598.49	\$ 3,729.81
10/30/2023	Expedia		\$ 580.19	\$ 1,353.77
12/30/2023	Agoda		\$ 24.97	\$ 58.29
12/28/2023	945 Greenwald Ct.		\$ 1,370.09	\$ 3,196.87
12/28/2023	945 Greenwald Ct.		\$ 746.43	\$ 1,741.66

\$ 14,657.64 \$ 34,203.39 \$ 48,861.03

Total Receipts 2023 \$ 48,861.03

Chamber Share 70% \$ 34,203.39

Village Share 30% \$ 14,657.64

2023 Room Tax Report

Municipality

Co-muni code 67153	Municipality VILLAGE OF MUKWONAGO	County WAUKESHA	Due date May 1, 2024	Report type ORIGINAL
-----------------------	--------------------------------------	--------------------	-------------------------	-------------------------

Section A: Room Tax Collection

1. Room tax collected in 2023	\$48,861
2. Room tax rate imposed as of December 31, 2023	6.00 %
3. Did your municipality change your room tax rate during 2023?	No
4. If yes above, provide your municipality's prior room tax rate	%

Section B: Room Tax Revenue Distributions

1. During 2023, did your municipality forward room tax revenues to a tourism entity or commission for tourism development?	Yes
2. List each tourism entity and commission that received room tax revenues from your municipality	
Tourism Entity or Commission	Revenues Distributed to Entity or Commission
1. Mukwonago Area Chamber of Commerce	\$34,203

Section C: Tourism Entity/Commission Members

For each tourism entity and commission reported in Section B, you must provide member information including any related business entities.

- For a tourism commission - list each member
- For a tourism entity - list each member of its governing body
- Related business entity - includes a business the member owns, operates or is employed by. Select "None" to indicate the member has no related business entity.

1. Mukwonago Area Chamber of Commerce

First Name	Last Name	Related Business Entity
Matt	Weinstock	Lynch
Jim	Mills	Mills & Boehm Law Offices
Charlene	Schroeder	Engineered Pump Services
Lynn	Ewert	Citizens Bank Executive
Kerry	Luecht	Dragonfly Embroidery
Becky	Magestro	Mukwonago Area School Dist

2023 Room Tax Report

Section D: Tourism Promotion/Development Expenditures

1. Of the room tax revenue forwarded for tourism promotion and tourism development, report all expenditures of \$1,000 or more made by a tourism commission and tourism entity.

To report your expenditures, you must:

- Attach an expenditure report as a PDF, and/or
- Enter each expenditure below

Note: These expenditures are provided to your municipality by a tourism entity and tourism commission.

Date	Recipient Name	Amount	Description (optional)

Attachments:

- Mukwonago Area Chamber of Commerce & Tourism Center Report for 2023.pdf

Section E: 1994 Documentation

1. Did your municipality collect room tax on May 13, 1994?	No
2. You must attach (PDF files), unless provided in a prior year:	
Room tax ordinance in effect on May 13, 1994	
Municipality's financial statement closest to May 13, 1994 showing the percentage of room tax revenues retained by the municipality for purposes other than tourism promotion and development	

2023 Room Tax Report

Preparer/Contact Information

Preparer name Diana Dykstra	Preparer title Clerk/Treasurer	Preparer phone (262) 363-6420	Preparer email ddykstra@villageofmukwonago.gov
--------------------------------	-----------------------------------	----------------------------------	---

Contact Information

Contact name Diana Dykstra	Contact title Clerk/Treasurer	Contact phone (262) 363-6420	Contact email ddykstra@villageofmukwonago.gov
-------------------------------	----------------------------------	---------------------------------	--

Comments

Submission Information

You successfully submitted your report. Save and/or print a copy for your records.

Co-muni code: 67153

Submission date: 04-24-2024 12:03 PM

Confirmation: RT20231833O1713978228386

Submission type: ORIGINAL

VILLAGE OF MUKWONAGO
Performance Stage Rental Application
Special Event Form Required

Date Submitted: _____

Event Date: 8/30/24

GUIDELINES

This form must be completed in its entirety and submitted to the Village of Mukwonago Clerk's Office, 440 River Crest Ct, Mukwonago, WI 53149, for approval. A Signed copy authorizing the use of the Park Facility will be returned to the requesting party. Fees and the park form must be on file **three (3) months** prior to the event. "Residents" include Village of Mukwonago residents.

Mail completed applications to: Village Clerk-Treasurer's Office
ATTN: Park Rentals
440 River Crest Ct
Mukwonago WI 53149
Email to: lgourdoux@villageofmukwonago.gov

APPLICANT INFORMATION

Name: Rachel Holst
Address: 400 Bayview Rd City: Mukwonago State/Zip: WI, 53149
Daytime Phone: 815-322-3956
E-mail: rachelholst@lifepointmukwonago.com

ORGANIZATION INFORMATION (if applicable)

Name of Organization: Life Point Church
Mailing Address: 400 Bayview Rd City: Mukwonago State/Zip: WI, 53149
Phone Number: 262-378-4356 Is organization a 501(c)3? Yes: X No: _____
Website Address: lifepointmukwonago.com

RENTAL INFORMATION

Date(s) of Event: 8/30/24

Estimated Number of Participants: 200

NOTE: (Special Event Permit will be required under separate application)

Event Set-Up Time: 12pm Event End Time: 8pm

Type of Event: Night of Worship

FEES (complete those that apply)

Performance Stage at Indianhead Park

Performance Stage	\$350.00 per day	\$ <u>350.00</u>
Non-Resident Fee	Additional \$50.00 per day	\$ _____
Total Rental Fees (Separate Payment)		\$ <u>350.00</u>

***SOUND SYSTEM USE REQUIRES PRE-EVENT MEETING WITH REPRESENTATIVE FROM
PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF EVENT
DURING NORMAL BUSINESS HOURS***

SECURITY DEPOSIT (Refundable)

Performance Stage Deposit	\$500.00 per day	\$ <u>500.00</u>
Key Deposit	\$50.00	\$ <u>50.00</u>
Total Deposit Fees (Separate Payment)		\$ <u>550.00</u>

TERMINATION OF AN EVENT

The Village reserves the right to shut down an event that is in progress if it is deemed to be a public safety hazard by the Police Department, Fire Department, and/or there is a violation of Village Ordinances, State Statutes or the terms of the applicant's permit. The Village Administrator and/or his/her designee may revoke an approved park facilities use permit if the applicant fails to comply in good faith with the provisions of the permit prior to the event date.

CERTIFICATION

By signing this form, the applicant certifies authorization to act on behalf of their organization, and hereby agrees to hold the Village, its officers, agents, employees, and contractors harmless against all claims, liability, loss, damage or expense (including but not limited to actual attorney fees) incurred by the Village for any damage or injury to person or property caused by or resulting directly or indirectly from the activities for which the permit is granted. Any change to coverage requires Village approval.



Applicant Signature

Date



Print Name

Office Use Only

Fees Paid

Receipt #

Deposit Returned

Key # Issued

Key Returned

Department Approval

Administrator

Building Inspection

Fire

DPW

Police

Utilities

VILLAGE OF MUKWONAGO

When not in reserved use, the Village of Mukwonago parks and fields are open to the public on a first-come first-serve basis so long as the property and equipment are used with care and for appropriate uses. **Village youth groups will apply separately.**

Please read through each of the items below and initial each line to signify that you have read, understand, and agree.

PH Reservations are dependent upon availability.

PH No items shall be stored in the pavilion prior to the rental day unless payment has been received for the extra day(s).

PH Keys are responsibility of the Applicant to check out at Village Hall, no greater than 48 hours in advance of your event. After completion of the event, keys can be returned to Village Hall on the next business day or dropped off at the Mukwonago Police Department. Lost keys will result in re-keying charges.

PH The buildings are not to be left unlocked or unattended at any time. Any damages resulting from being left unattended will be the responsibility of the Applicant.

PH The Applicant should review the facility at opening. Note any pre-existing damages or problems.

PH Parking is only allowed in designated parking areas. **Performance Stage:** NO vehicles are allowed on the path without prior approval from the Public Works Director or designee.

PH Following the event, a representative from the Public Works Department will conduct a "Post-Event" inspection and complete the Facility Checklist. The applicant will be notified if the facility was found in unsatisfactory condition.

PH Layout: A sketch of the event area, toilet facilities, concession area, and parking areas shall be submitted with the application. Please include layout map.

Cleaning/Damages

PH Applicants shall be liable for any loss, damage or injury sustained by virtue of the activity conducted. Damage fee will be determined by the number of man hours required and/or cost for services or property replacement.

PH There are no decorations allowed to be affixed to the Ceiling. Applicant must adhere to the required post event clean up items on the facility checklist. Any items left incomplete may result in a forfeit of any or all of the damage deposit. Additional clean up charges will be billed at \$50 per ½ hour.

PH Applicant agrees to abide by all Park Rules, Regulations, and Ordinances of the Village of Mukwonago.

PH The applicant of this rental agreement shall be solely responsible for any violation, damages to the building and cleaning of the building. Any repair costs for damages will be withheld from damage deposit, direct billed to applicant or charges as a special assessment against the applicant's property tax bill.

VILLAGE OF MUKWONAGO

- Yes Once approval has been granted, the Village Board, Village Administrator, Chief or Police, or Public Works Director may revoke same if it is deemed that such action is justified by an actual or potential emergency to weather, fire, riot, or administrative or clerical error. No fee would be charged for cancelation by a Village Officer.
- Yes Applicant agrees to indemnify and hold harmless for all expenses, liability, and/or claim arising out of harm or activity of attendees to the event. For certain events, the Village may require the applicant to file evidence of insurance in force or other evidence of adequate financial responsibility. The Village may also require the applicant to provide trained security personnel at event, if necessary.
- Yes Security and Protection: The sponsor of any event shall be responsible for adequate uniformed security personnel. A security plan shall be furnished at least seven (7) days prior to the date of the event for Police Department approval. *NOTE:* Check with Police Department to see if off-duty or reserve police officers would be available for event. Only security personnel approved by the Mukwonago Police Department may be used.
- Yes Parking Space(s) on Village streets or Village Owned Parking Lot: Parking of cars shall be on paved areas only. Heavy vehicles on grassy areas for loading and unloading must be authorized the Public Works Director or designee. The Police Department shall be notified in advance if traffic control is needed on public thoroughfares.
- Yes Fires: All fires must be in personal grills or designated fireplaces.
- Yes Clean-up: Cleaning of the park is the responsibility of the organizer. The event area shall be maintained in an orderly manner during the event and final clean-up shall commence immediately post event. If clean-up is not completed by the end of the next business day, Village personnel shall be utilized and a bill, minus the deposit will be issued to the organizer. Future use of Village facilities may be revoked.

Please respond YES or NO to the following questions. Please supply additional information if required.

Yes **Insurance Requirements (Required for Special Event):** If YES, the Applicant will provide evidence of liability insurance in a form acceptable to the Village Attorney, with limits of not less than \$1 Million per occurrence and \$2 Million in the aggregate, which coverage names the Village of Mukwonago, its officers, agents, employees and contractors as Additional Insured on a primary and non-contributory basis. Evidence of this coverage must be provided by a Policy Endorsement received by the Village not less than 20 days prior to the event. A Certificate of Insurance must evidence this coverage throughout the duration of the event. Applicant further agrees to indemnify and hold harmless the Village of Mukwonago, its officers, agents, employees, contractors and assigns, as and against any and all claims, demands, actions and causes of action, including actual attorney fees, arising from the Applicant's use of Village property and the issuance of this Permit.

No **Sales:** If YES, attach a list of all vendors and products for sale.

VILLAGE OF MUKWONAGO

- YES **Electricity:** If YES, list pavilions where electricity is needed. **Performance Stage:** Power Requirements: ____ 110V 20 Amp ____ 110V 30 Amp X 110V 50 Amp
- NO **Food/Non-Alcoholic Beverages:** If YES, the necessary permits and related information for the sale of food shall be obtained from the Waukesha County Health Department (262-896-8300).
- NO **Street Usage/Roadway Closure:** If YES, if the event is in the street, street barricades are required. What type and How many barricades will be required? ____
- YES **Parking Space(s) on Private Lots:** IF YES, if parking in private lots near the event is required, the applicant shall obtain written permission from the adjacent property owners directly.
- NO **Alcohol Served:** If YES, if beer or other fermented malt beverages are sold, a Temporary Class "B"/"Class B" Retailer's License must be completed and turned in with payment with the rental application. Please list the number of Village of Mukwonago licensed bartenders that will be on site: .

- NO **Admission or Gate Fee Charged:** If YES, explain in detail the reason for the fee.
- YES **Loudspeakers and/or Amplification:** If YES, will it be a: Band X DJ ____ Other ____
What are the hours be? ____ All noise (loudspeakers and/or amplification ends at 11 p.m.
- NO **Tents, Canopies, or Other Temporary Structures:** If YES, please provide a plan for their proposed locations. The Fire Department and Building Inspection Department will need to inspect these structures prior to the start of your event.
- NO **Inflatable Devices:** If YES, number and location of devices.
- NO **Additional Port-a-Pots:** If Yes, using the information below, will your event require Portable Restrooms?
Determining if you need additional port-a-pots. Attendance at the function exceeds 300 people. Any damage will be the responsibility of the sponsoring group. They shall be clean, usable, properly enclosed, emptied when full, and a minimum 100 feet from food preparation areas. They shall be removed the next regular business day. The following schedule should be followed:
- 301-400 persons – 3 port-a-pots (1 for the men & 2 for the women)
401-500 persons – 6 port-a-pots (2 for the men & 4 for the women)
501-600 persons – 9 port-a-pots (3 for the men & 6 for the women)
for additional 250 persons over 600, an additional port-a-pot for each sex will be required



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

04/26/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Church Mutual Insurance Company, S.I. 3000 Schuster Lane P.O. Box 357 Merrill WI 54452	CONTACT NAME: Church Mutual Insurance Company, S.I. PHONE (A/C, No, Ext): 1-800-554-2642 E-MAIL ADDRESS: customerservice@churchmutual.com FAX (A/C, No): 855-264-2329
INSURED LIFEPOINT CHURCH INC 560 BAY VIEW RD STE 1 MUKWONAGO WI 53149-1751	INSURER(S) AFFORDING COVERAGE INSURER A: Church Mutual Insurance Company, S.I. INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PROJECT ☐ LOC OTHER:	Y	N	0224887 25-710733	04/13/2024	04/13/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N ☐ N/A						PER STATUTE ☐ OTHER ☐ E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder is additional insured on a primary and non-contributory basis as required by written contract per the General Liability Enhancement endorsement attached to the policy.
For Night of Worship on 08/30/2024 at Phantom Junction Stage.
SAAP 517

CERTIFICATE HOLDER**CANCELLATION**

Village of Mukwonago 440 RIVERCREST CT MUKWONAGO WI 53149-1759	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Pamela T. Rushing</i>
--	---

© 1988-2015 ACORD CORPORATION. All rights reserved.

Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149
Phone: (262) 363-6420
Fax: (262) 363-6425
www.villageofmukwonago.gov

VILLAGE OF MUKWONAGO SPECIAL EVENT PERMIT APPLICATION

Application Fee: See fee sheet

Date Submitted: 5/24/25

Total Fees Paid: \$370

Application must be received a minimum of 90 days prior to the special event. Fees are non-refundable.

ORGANIZATION INFORMATION

Name of Organization: Aesthetic Management & Artist Development

Mailing Address: [REDACTED] City: Mukwonago State: WI Zip: 53149

Phone Number: [REDACTED] Is the organization a 501(c)3 organization? ☐ YES ☒ NO

Website Address: www.Facebook.com/aestheticartists

3. _____

Event Contact Person: Ethan Keller

Mailing Address: (above) City: _____ State: _____ Zip: _____

Home Phone: _____ Work Phone: _____ Cell Phone: _____

Email Address: ArtistsAesthetic@gmail.com

EVENT INFORMATION

Name of the Event: Gold Coast Festival Date(s) of the Event: Sat Aug 24th

Event Start Time: 11am Event End Time: 10 pm

Location of the Event: Indian Head Park / Phantom Junction Stage

A. Will your event take place in a residential neighborhood? If yes, you will be required to notify all adjacent property owners when the event will occur. ☐ YES ☒ NO

B. Please provide your COVID-19 Action Plan.

C. You MUST attach a detailed map/sketch of your event indicating the specific location, layout of your event, and the direction of the route, including all turns and the number of traffic lanes to be used.

D. If you are using a Village park, you must reserve the park through the Village Clerk-Treasurer's Office prior to getting your special event permit approved by the Village Board. Call 262-363-6420, Option 4.

E. Generally describe your event and its purpose.

Music & Art Festival. 8-10 musical acts (acoustic & electric).
Local and Regional artists. Food vendors. Art & other vendors.
Mukwonago Food Pantry will be involved as alcohol service.

F. Based on the class definitions found in the manual, what class is your event? ☒ CLASS I ☐ CLASS II

G. Estimated # of participants: 40-60 crew Spectators: 400-600 Vendors: 20-40

OTHER INFORMATION

- A. Is there an outdoor bar that will serve alcohol? *If yes, temporary Class B beer and/or wine (picnic) and operator (bartender) licenses are necessary under separate application.* ☒ YES ☐ NO
- B. Please list the number of Village of Mukwonago licensed bartenders that will be on site: _____
- C. Will you be selling/serving food? *If yes, you will need to contact Waukesha County Health Department (262-896-8300) for proper permits.* ☒ YES ☐ NO
- D. Will your event need electricity? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☒ YES ☐ NO
- E. Will you be setting up any lighting? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☒ YES ☐ NO
- F. Will your event require any fencing? *If yes, please provide plans for the fencing location and the gates.* ☒ YES ☐ NO
- G. Does your event involve fireworks? *If yes, you will need to contact the Fire Department (262-363-6426) for proper permits.* ☐ YES ☒ NO
- H. Does your event involve amplified music? ☒ YES ☐ NO
 If yes, will the amplified music be a: ☒ Band ☐ DJ ☐ Other
 Hours of amplified music: 11am - 10 pm
- I. Please list the number of security staff you will be providing for the event: 2-4
- J. Will you need barricades provided by the Village for your event? ☒ YES ☐ NO
 If yes, how many? 4-6 **Snow Fence plan, will call Diggers Hotline.*
- K. Will you be erecting any tents, canopies, or other temporary structure(s)? *If yes, please provide a plan for their proposed locations. The Fire Department and Building Inspection Department will need to inspect these structures prior to the start of your event.* ☐ YES ☒ NO
**only 12x10 vendor canopies*
- L. Will you be providing portable restrooms and wash stations? *If yes, please provide a description of how many restrooms/wash stations will be provided, their locations, and the plan for how solid waste will be disposed of.* ☒ YES ☐ NO
3-4
- M. Will you provide parking for your participants? *If yes, please provide a plan describing where parking will be available.* ☒ YES ☒ NO
Public parking, street parking
- N. Will you provide dumpster/clean-up services? *If yes, please provide a clean-up and refuse collection plan.* ☐ YES ☐ NO
Vendor trash bins/ground cleaners to be dumpster/recycling?
- O. What other assistance do you foresee needing from the Village (personnel, materials, equipment, etc.)?
Access to public restrooms ☒
Indemnity Bond in progress
- P. Have you reviewed and do you have a copy of the Village of Mukwonago Special Events Manual and the Village of Mukwonago Ordinance? ☐ YES ☐ NO

INSURANCE REQUIREMENTS

The Special Event Sponsor will provide evidence of liability insurance in a form acceptable to the Village Attorney, with limits of not less than \$1 Million per occurrence and \$2 Million in the aggregate, which coverage names the Village of Mukwonago, its officers, agents, employees and contractors as Additional Insured on a primary and non-contributory basis. Evidence of this coverage must be provided by a Policy Endorsement received by the Village not less than 20 days prior to the event. A Certificate of Insurance must evidence this coverage throughout the duration of the event. Applicant further agrees to indemnify and hold harmless the Village of Mukwonago, its officers, agents, employees, contractors and assigns, as and against any and all claims, demands, actions and causes of action, including actual attorney fees, arising from the Applicant's use of Village property and the issuance of this Permit.

Are you able to provide these insurance documents, if required?: ☒ YES ☐ NO

PROCEDURAL CHECKLIST FOR SPECIAL EVENT PERMIT REVIEW AND APPROVAL

This form is designed to be a guide for submitting a complete application for a special event.

Application:

- ☒ Completed application form including the procedural checklist.
- ☒ Application fee: see fee sheet. *sent / received*

Other Documents:

- ☒ Plan of operation/proposal. *emailed*
- ☒ Overview of the site to be used for the event (layout of the event site).
- ☒ Any additional information as determined by Village staff. *Insurance info to come...*

DEPOSIT REQUIREMENTS

The applicant may be required to submit to the Village Clerk-Treasurer's Office a cleaning/damage deposit of \$200 for each scheduled day of the event (or portion thereof) two weeks prior to the starting date of the event. That deposit shall be refunded to the applicant, if, upon inspection, all is in order, or a prorated portion thereof as may be necessary to reimburse the Village for loss or cleaning costs. The Village reserves the right to retain the entire deposit if cleanup is not completed satisfactorily in the time frame as specified in the permit. Unless otherwise stated in the permit, the applicant shall be fully responsible for all necessary cleanup associated with the permitted event to be completed within 12 hours after the conclusion of the event. (This deposit is separate from any deposit required for rental of Village parks).

TERMINATION OF AN EVENT

The Village reserves the right to shut down a special event that is in progress if it is deemed to be a public safety hazard by the Police Department, Fire Department, and/or there is a violation of Village Ordinances, State Statutes or the terms of the applicant's permit. The Village Administrator and/or his/her designee may revoke an approved Special Events Permit if the applicant fails to comply in good faith with the provisions of the permit prior to the event date.

CERTIFICATION

By signing this form, the applicant certifies authorization to act on behalf of their organization, and hereby agrees to hold the Village, its officers, agents, employees, and contractors harmless against all claims, liability, loss, damage or expense (including but not limited to actual attorney fees) incurred by the Village for any damage or injury to person or property caused by or resulting directly or indirectly from the activities for which the permit is granted. Any change to coverage requires Village approval.

(The applicant's signature must be from a Managing Member if the business/organization is an LLC, or from the President or Vice President if the business/organization is a corporation. A signed applicant's authorization letter may be provided in lieu of the applicant's signature below.)

Ethan Keller
Signature - Applicant

Signature - Applicant

Ethan Keller - Managing Member
Name & Title (PRINT)

Name & Title (PRINT)

5/24/24
Date

Date

FOR OFFICE USE ONLY			
Date Fees Paid <i>5/28/24</i>	Receipt # <i>82017</i>	Date Deposit Paid	Deposit Returned?
Police Department:	Approved ☒ Denied ☐	Comments: <i>5-31-24</i>	
Fire Department:	Approved ☐ Denied ☐	Comments: _____	
Public Works Department:	Approved ☒ Denied ☐	Comments: <i>5-31-24</i>	
Village Clerk:	Approved ☐ Denied ☐	Comments: _____	
Village Board Approval Date	Village President Signature	Permit #	Issue Date

Special Events Permit Application (Rev 1/23)

VILLAGE OF MUKWONAGO
Performance Stage Rental Application
Special Event Form Required

Date Submitted: 5/24/25

Event Date: 8/24/24

GUIDELINES

This form must be completed in its entirety and submitted to the Village of Mukwonago Clerk's Office, 440 River Crest Ct, Mukwonago, WI 53149, for approval. A Signed copy authorizing the use of the Park Facility will be returned to the requesting party. Fees and the park form must be on file **three (3) months** prior to the event. "Residents" include Village of Mukwonago residents.

Mail completed applications to:

Village Clerk-Treasurer's Office

ATTN: Park Rentals

440 River Crest Ct

Mukwonago WI 53149

Email to:

lgourdoux@villageofmukwonago.gov

FEES (complete those that apply)

Performance Stage at Indianhead Park

Performance Stage	\$350.00 per day	\$ <u>350</u> ✓
Non-Resident Fee	Additional \$25.00 per day	\$ _____
	TOTAL	\$ <u>350</u>

***SOUND SYSTEM USE REQUIRES PRE-EVENT MEETING WITH REPRESENTATIVE FROM
PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF EVENT
DURING NORMAL BUSINESS HOURS***

SECURITY DEPOSIT (Refundable)

Performance Stage Deposit	\$500.00 per day	\$ <u>500</u>
---------------------------	------------------	---------------

RENTAL INFORMATION

Date(s) of Event: Sat. August 24, 2024

Estimated Number of Participants: 500+

NOTE: (Special Event Permit will be required under separate application)

Event Set-Up Time: 6-7am Event End Time: 10-11pm

Revised 1/2023

1

APPLICANT INFORMATIONName: Ethan KellerAddress: [REDACTED] /Zip: WI 53149Daytime Phone: [REDACTED]E-mail: Artist5Aesthetic@gmail.com**ORGANIZATION INFORMATION (if applicable)**

Name of Organization: _____

Mailing Address: _____ City: _____ State/Zip: _____

Phone Number: _____ Is organization a 501(c)3? Yes: _____ No: _____

Website Address: _____

TERMINATION OF AN EVENT

The Village reserves the right to shut down an event that is in progress if it is deemed to be a public safety hazard by the Police Department, Fire Department, and/or there is a violation of Village Ordinances, State Statutes or the terms of the applicant's permit. The Village Administrator and/or his/her designee may revoke an approved park facilities use permit if the applicant fails to comply in good faith with the provisions of the permit prior to the event date.

CERTIFICATION

By signing this form, the applicant certifies authorization to act on behalf of their organization, and hereby agrees to hold the Village, its officers, agents, employees, and contractors harmless against all claims, liability, loss, damage or expense (including but not limited to actual attorney fees) incurred by the Village for any damage or injury to person or property caused by or resulting directly or indirectly from the activities for which the permit is granted. Any change to coverage requires Village approval.

Ethan Keller
Applicant Signature

4/15/24
Date

Ethan Keller
Print Name

Office Use Only

\$350

Fees Paid

86018

Receipt #

Deposit Returned

Key # Issued

Key Returned

Department Approval

Administrator _____

Building Inspection _____

Fire _____

DPW ✓

Police ✓

Utilities _____

Deposit check to come

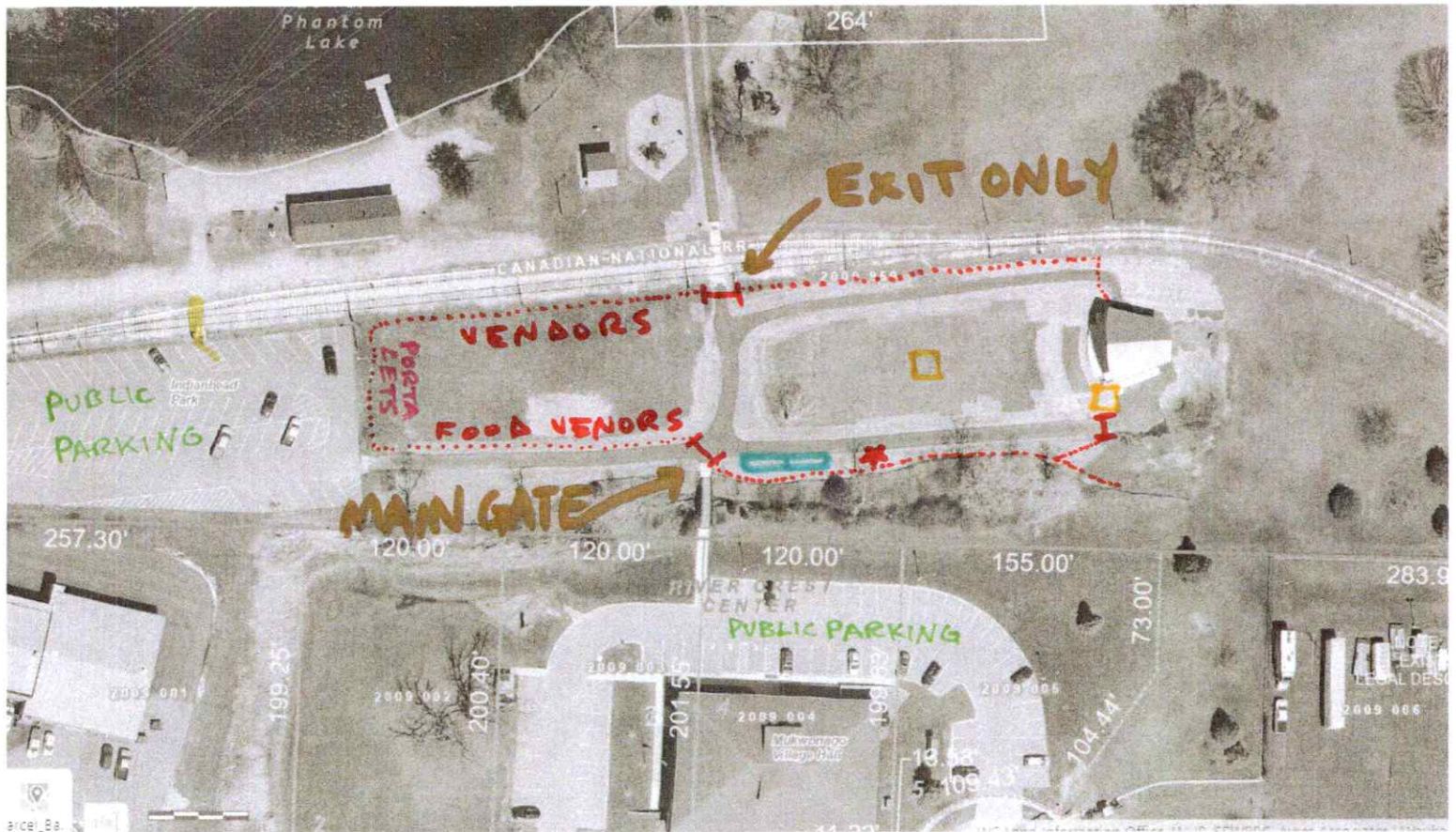
Revised 1/2023

3

SNOW FENCE
 BARRICADE H

Sound engineer(s) □
 FIRST AID *

Alcohol Vendor =



Gold Coast Festival PLAN OF OPERATION for 8/24/24

6am - 7am - Technical crew arrival/sound engineers load in

2-4 security

- Main gate
- Side gate

12-20 Volunteers

- Operations Supervisor
- Stage Manager
- Stage crew
- Sanitation staff
- Vendor Liaison
- Admissions staff

8:00am - 10.30am - Vendor load-in

11am - GATES OPEN

- 20-40 Musical personnel all day
- Vehicles travel down west path for stage load-in/load out

10pm - AMPLIFIED MUSIC ENDS - ALCOHOL SALES END

11pm - GATES CLOSED

Clean up, Load out



SUMMER 2024

Events Calendar

MAY

23 MUKWONAGO
BANDS & CHOIR
5:30PM

Season Kick-Off!



LEARN MORE

JUNE

01 OCEAN RUSH
4:00PM
KOJO
6:30PM

27 DIRTY BOOGIE
5:30PM

JULY

03 MANNISH BOY
3:00PM
ROAD CREW
6:00PM

MUKWONAGO FIREWORKS
9:15PM
*PROVIDED BY THE PHANTOM
LAKES MANAGEMENT DISTRICT*

11 COMEDY SPORTS
6:00PM

25 TOUCH A TRUCK
4:00PM (KIDS EVENT)

AUGUST

02 CHERRY PIE
6:00PM

08 CARIBBEAN ECLIPSE
5:30PM

22 RADIATION
5:30PM

SEPTEMBER

07 SMART MOUTH
6:00PM

28 SAM GRADY
2:30PM

BLACK COW
A STEELY DAN REVUE
4:00PM

THANK YOU TO OUR SPONSORS!



CITIZENS BANK





SUMMER 2024 CONCERT SERIES

Thank You Sponsors!



CITIZENS BANK



PHANTOMJUNCTIONSTAGE.COM



2024 Food Truck Schedule

JUNE

1ST SCOTT'S DOGHOUSE
MAMA DEAR
MUKWONAGO ROTARY CLUB

27TH SCOTT'S DOGHOUSE
SANDWICH SISTERS
MUKWONAGO FOOD PANTRY

JULY

3RD SCOTT'S DOGHOUSE
DANGIN' BURGERS
SWEET ABILITIES
HORNBAY'S SHAVE ICE
MUKWONAGO ROTARY CLUB

11TH FIREHOUSE SUBS
AMORPHIC BEER

AUGUST

2ND SCOTT'S DOGHOUSE
DANGIN' BURGERS
SWEET ABILITIES
NORTHWOOD'S SMOKIN' BBQ
MUKWONAGO ROTARY CLUB
SECTION PTA

8TH SCOTT'S DOGHOUSE
MR. P'S GRILLED CHEESE
MUKWONAGO FOOD PANTRY

22ND SCOTT'S DOGHOUSE
MAMI FELIZ
MUKWONAGO FOOD PANTRY

SEPTEMBER

7TH SCOTT'S DOGHOUSE
MAMA DEAR
LILY HOCKTAILS
MUKWONAGO LIONS CLUB

28TH SCOTT'S DOGHOUSE
DANGIN' BURGERS
SWEET ABILITIES
LILY HOCKTAILS
MUKWONAGO ROTARY CLUB



Village of Mukwonago

Business Licenses

Date: 5/30/2024
Time: 6:36 PM
Page: 1

Sorted by: Customer Name
From Date: 7/01/2024 To: 6/30/2025

Type: Class "A" Retail Fermented Mal

<u>License no</u>	<u>Name</u>	<u>Address</u>	<u>Address 2</u>	<u>Phone / e-mail</u>
2024 1	122 ARROWHEAD ENTERPRISES, INC	JUDITH SCHWARTZ, AGENT	122 ARROWHEAD DR. MUKWONAGO, WI 53149	2623632371 judy.schwartz@roteoiltd.com
Agent:	JUDITH SCHWARTZ			
Trade name:	ARROWHEAD BP	122 ARROWHEAD DR	MUKWONAGO, WI 53149	
Location / Premises:	Breakroom, Cooler, Sales Floor			

Total Licenses: 1

Village of Mukwonago

Business Licenses

Date: 5/30/2024
Time: 6:38 PM
Page: 1

Sorted by: Customer Name
From Date: 7/01/2024 To: 6/30/2025

Type: Class "A"/"Class A" Retail Com

License no		Name	Address	Address 2	Phone / e-mail
2024	2	1060 ROCHESTER ENTERPRISES, INC	D/B/A ROCHESTER BP	1060 N ROCHESTER ST. Mukwonago, WI 53149	2623634565 judy.schwartz@roteoiltd.com
	Agent:	JUDITH SCHWARTZ			
	Trade name:	1060 ROCHESTER ENTERPRISES, INC	D/B/A ROCHESTER BP	1060 N ROCHESTER ST. Mukwonago, WI 53149	2623634565 judy.schwartz@roteoiltd.com
		Location / Premises: Cooler, Sales Floor, Backroom			
2024	1	909 GREENWALD ENTERPRISES, INC	D/B/A MUKWONAGO AMOCO	909 GREENWALD CT, PO BOX 183 MUKWONAGO, WI 53149	2623638345 judy.schwartz@roteoiltd.com
	Agent:	JUDITH SCHWARTZ			
	Trade name:	909 GREENWALD ENTERPRISES, INC	D/B/A MUKWONAGO AMOCO	909 GREENWALD CT, PO BOX 183 MUKWONAGO, WI 53149	2623638345 judy.schwartz@roteoiltd.com
		Location / Premises: Cooler, Back Room, Sales Floor			
2024	5	ALDI INC (WISCONSIN)	D/B/A ALDI #46	111 EAST WOLF RUN Mukwonago, WI 53149	2623681214 christine.fischer@aldi.us
	Agent:	TAMMY WRIGHT			
	Trade name:	ALDI INC (WISCONSIN)	D/B/A ALDI #46	111 EAST WOLF RUN Mukwonago, WI 53149	2623681214 christine.fischer@aldi.us
		Location / Premises: Single Story Brick Building, Sold on sales floor and stored in the backroom.			
2024	3	B&A TRADING LLC	D/B/A ANDY LIQUOR STORE	411 MAIN STREET MUKWONAGO, WI 53149	4143248591
	Agent:	AMANDEEP SINGH			
	Trade name:	B&A TRADING LLC	D/B/A ANDY LIQUOR STORE	411 MAIN STREET MUKWONAGO, WI 53149	4143248591
		Location / Premises: Coolers and Retail Shelves			

Village of Mukwonago

Business Licenses

Date: 5/30/2024

Time: 6:38 PM

Page: 2

Sorted by: Customer Name

From Date: 7/01/2024

To: 6/30/2025

Type: Class "A"/"Class A" Retail Com

<u>License no</u>	<u>Name</u>	<u>Address</u>	<u>Address 2</u>	<u>Phone / e-mail</u>
2024 7	E AND S SWEETS LLC	D/B/A E AND S SWEETS	211 N ROCHESTER ST, UNIT D Mukwonago, WI 53149	2623683270 info@eandssweets.com
Agent:	KRISTEN BRILL			
Trade name:	E AND S SWEETS LLC	D/B/A E AND S SWEETS	211 N ROCHESTER ST, UNIT D Mukwonago, WI 53149	2623683270 info@eandssweets.com
Location / Premises:	1st Floor Retail Space, Storage on 2nd Floor			
2024 11	KHASRIA TWO INC	D/B/A VILLAGE WINE & LIQUOR	712 MAIN STREET MUKWONAGO, WI 53149	2623632337 jim140401@gmail.com
Agent:	HARJINDER KHASRIA			
Trade name:	KHASRIA TWO INC	D/B/A VILLAGE WINE & LIQUOR	712 MAIN STREET MUKWONAGO, WI 53149	2623632337 jim140401@gmail.com
Location / Premises:	First Floor & Storage and Backroom			
2024 9	KWIK TRIP, INC	D/B/A KWIK TRIP #282	1212 N ROCHESTER ST MUKWONAGO, WI 53149	2623632513 licensingdept@kwiktrip.com
Agent:	SUSAN MICHAELSON			
Trade name:	KWIK TRIP, INC	D/B/A KWIK TRIP #282	1212 N ROCHESTER ST MUKWONAGO, WI 53149	2623632513 licensingdept@kwiktrip.com
Location / Premises:	One Story frame construction with storage in walk-in cooler, on sales floor, behind the sales counter			
2024 4	ULTRA MART FOODS, LLC	D/B/A METRO MARKET #384	1010 N ROCHESTER ST MUKWONAGO, WI 53149	2623633026 business.license@kroger.com
Agent:	TODD K. GLASER			
Trade name:	ULTRA MART FOODS, LLC	D/B/A METRO MARKET #384	1010 N ROCHESTER ST MUKWONAGO, WI 53149	2623633026 business.license@kroger.com
Location / Premises:	1-Story Retail Grocery and Liquor; in exterior parking stalls designated for pick up service for alcohol sold through the online clicklist service.			

Village of Mukwonago

Business Licenses

Date: 5/30/2024
Time: 6:38 PM
Page: 3

Sorted by: Customer Name
From Date: 7/01/2024 To: 6/30/2025

Type: Class "A"/"Class A" Retail Com

License no		Name	Address	Address 2	Phone / e-mail
2024	10	VM INVESTMENTS LLC	D/B/A AMANN'S BEER + WINE	110 CHAPMAN FARMS BLVD MUKWONAGO, WI 53149	4147326774 aman@amansbeer.com
Agent:		AMANDIP SINGH			
Trade name:		VM INVESTMENTS LLC	D/B/A AMANN'S BEER + WINE	110 CHAPMAN FARMS BLVD MUKWONAGO, WI 53149	4147326774 aman@amansbeer.com
Location / Premises:		Beverages Stored over Mezzanine and sold in Lower Retail Area			
2024	6	WAL-MART STORES EAST LP	D/B/A WAL-MART #1571	250 E WOLF RUN Mukwonago, WI 53149	2623637500 scott.stegall@walmart.com
Agent:		CHARLES BURNS			
Trade name:		WAL-MART STORES EAST LP	D/B/A WAL-MART #1571	250 E WOLF RUN Mukwonago, WI 53149	2623637500 scott.stegall@walmart.com
Location / Premises:		1 Story Building Approximately 204,000 sqft. Intoxicating Liquor sold and displayed in separate room near south entrance; Beer, Hard Ciders, and Wine displayed in aisle near northeast corner and sold at registers throughout the store; alcohol transported by customers throughout the general store area; product stored in back storage area; records kept in UPC office, alcohol sold online grocery pick up area including parking stalls designated for online pick up.			
2024	8	WALGREEN CO	D/B/A WALGREENS #07039	212 N ROCHESTER ST MUKWONAGO, WI 53149	8475274208 taxlicenser renewals@walgreens.com or savannah.h.mansour@walgreens.com
Agent:		BRIAN MARINELLO			
Trade name:		WALGREEN CO	D/B/A WALGREENS #07039	212 N ROCHESTER ST MUKWONAGO, WI 53149	8475274208 taxlicenser renewals@walgreens.com or sa
Location / Premises:		Retail Drug Store with sundries in a one-story building of 14,422 sq.ft.			

Total Licenses: 11

Village of Mukwonago

Business Licenses

Date: 5/30/2024
Time: 6:40 PM
Page: 1

Sorted by: Customer Name
From Date: 7/01/2024 To: 6/30/2025

Type: Class "B"/Class C Wine - Combi

<u>License no</u>		<u>Name</u>	<u>Address</u>	<u>Address 2</u>	<u>Phone / e-mail</u>
2024	1	BEE WELL CAFE	100 MAIN STREET, SUITE 1	MUKWONAGO, WI 53149	4142926230 beewellcafe@gmail.com
		Agent: CALAYA KOSTECKI			
		Trade name: BEE WELL CAFE	100 MAIN STREET, SUITE 1	MUKWONAGO, WI 53149	4142926230 beewellcafe@gmail.com
		Location / Premises: One Level Cafe Indoors Only			
2024	2	FIVE RICE INC	D/B/A FIVE RICE RESTAURANT	920 GREENWALD CT., SUITE 100 MUKWONAGO, WI 53149	6462891471 newmoys2018@yahoo.com
		Agent: JIANPING HUANG			
		Trade name: FIVE RICE INC	D/B/A FIVE RICE RESTAURANT	920 GREENWALD CT., SUITE 100 MUKWONAGO, WI 53149	6462891471 newmoys2018@yahoo.com
		Location / Premises: Dinning Room, Beer & Wine Cooler			

Total Licenses: 2

Village of Mukwonago

Business Licenses

Date: 5/30/2024
Time: 6:39 PM
Page: 1

Sorted by: Customer Name
From Date: 7/01/2024 To: 6/30/2025
Type: Class "B" / "Class B" Retail -

<u>License no</u>	<u>Name</u>	<u>Address</u>	<u>Address 2</u>	<u>Phone / e-mail</u>
2024 1	AMERICAN LEGION COMMUNITY POST 375	627 E VETERAN'S WAY EAST	Mukwonago, WI 53149	3633633580 contact@post375.org
Agent:	TAMMY M. STELTER			
Trade name:	AMERICAN LEGION COMMUNITY POST 375	627 E VETERAN'S WAY EAST	Mukwonago, WI 53149	3633633580 contact@post375.org
Location / Premises:	Bar, Hall, Storage Room, Garage, Office, Picnic and Outdoor Patio Area			
2024 3	BLUE BAY INC	D/B/A BLUE BAY RESTAURANT	927 MAIN STREET Mukwonago, WI 53149	
Agent:	VICTOR ISLAMI			
Trade name:	BLUE BAY INC	D/B/A BLUE BAY RESTAURANT	927 MAIN STREET Mukwonago, WI 53149	
Location / Premises:	Kitchen, Restaurant Dining Room, Outdoor Patio, Dry Storage and Office			
2024 6	FJ PARTNERS LLC	D/B/A SOL DE MEXICO	507 MAIN STREET MUKWONAGO, WI 53149	2622129842
Agent:	JOSE JAIMES-LOPEZ			
Trade name:	FJ PARTNERS LLC	D/B/A SOL DE MEXICO	507 MAIN STREET MUKWONAGO, WI 53149	2622129842
Location / Premises:	Stock Room, Kitchen, Dining and Banquet Room			
2024 7	JAYS LANES INC	D/B/A JAY'S LANES	326 ATKINSON ST MUKWONAGO, WI 53149	2623637230 jayslanes@gmail.com
Agent:	JEFFREY JAY			
Trade name:	JAYS LANES INC	D/B/A JAY'S LANES	326 ATKINSON ST MUKWONAGO, WI 53149	2623637230 jayslanes@gmail.com
Location / Premises:	Bar, Bowling Alley (12 Lanes), Metal Building with Lannon Stone Front, Basement with Walk-In Cooler, Office in Basement with Safe			

Village of Mukwonago

Business Licenses

Date: 5/30/2024
Time: 6:39 PM
Page: 2

Sorted by: Customer Name
From Date: 7/01/2024 To: 6/30/2025

Type: Class "B" / "Class B" Retail -

License no		Name	Address	Address 2	Phone / e-mail
2024	2	PERSEVERANCE CORP	D/B/A BADGER BURGER COMPANY	200 S ROCHESTER ST MUKWONAGO, WI 53149	2623630990
Agent:		MARK WEISS			
Trade name:		PERSEVERANCE CORP	D/B/A BADGER BURGER COMPANY	200 S ROCHESTER ST MUKWONAGO, WI 53149	2623630990
Location / Premises:		Lower Dining Room, Upper Dining Room, Party Room, Liquor Closet, Beer Cooler, Basement Cooler, Food Cooler, and Patio			
2024	5	SANDY'S MILLER TIME LLC	D/B/A SANDY'S MILLER TIME	701 MAIN STREET MUKWONAGO, WI 53149	2623633843 sandysmillertime@gmail.com
Agent:		BRIAN ANSPACH			
Trade name:		SANDY'S MILLER TIME LLC	D/B/A SANDY'S MILLER TIME	701 MAIN STREET MUKWONAGO, WI 53149	2623633843 sandysmillertime@gmail.com
Location / Premises:		Walk-In Cooler Upstairs, 1/2 Cooler Downstairs for Barrels of Beer, Single Bar Room, Bathrooms, Basement Walkin Keg Storage & Cooler, Back Room Storage for Liquor with Locks			
2024	4	TAKE A BIG BITE INC	D/B/A FORK IN THE ROAD RESTAUR	215 N ROCHESTER ST. MUKWONAGO, WI 53149	3633637849 T@forkintheroadrestaurant.com
Agent:		THERESE M. HENNESSY			
Trade name:		TAKE A BIG BITE INC	D/B/A FORK IN THE ROAD RESTAUR	215 N ROCHESTER ST. MUKWONAGO, WI 53149	3633637849 T@forkintheroadrestaurant.com
Location / Premises:		Building Basement, Main Floor/Level, Upstairs, Front Porch, Patio & Parking Lot			
2024	8	THE BONEYARD PUB & GRILLE LLC	D/B/A BONEYARD PUB & GRILLE	215 BAY VIEW RD, SUITE 200 MUKWONAGO, WI 53149	jimjones@wi.rr.com
Agent:		JAMES FREDRIC JONES			
Trade name:		THE BONEYARD PUB & GRILLE LLC	D/B/A BONEYARD PUB & GRILLE	215 BAY VIEW RD, SUITE 200 MUKWONAGO, WI 53149	jimjones@wi.rr.com
Location / Premises:		Bar Area, Dining Room, Patio, Kitchen, Office, and Carryout Counter			

Village of Mukwonago

Business Licenses

Date: 5/30/2024
Time: 6:39 PM
Page: 1

Sorted by: Customer Name
From Date: 7/01/2024 To: 6/30/2025

Type: Class "B"/"Class B" Retail - R

License no	Name	Address	Address 2	Phone / e-mail
2024 RES 5	CRUSH, LLC	D/B/A CRUSH WINE AND SOCIAL	110 MAIN STREET MUKWONAGO, WI 53149	2622714462 crushwinebar@crushwaukesha.com
Agent:	PAUL KWIECIEN			
Trade name:	CRUSH, LLC	D/B/A CRUSH WINE AND SOCIAL	110 MAIN STREET MUKWONAGO, WI 53149	2622714462 crushwinebar@crushwaukesha.com
Location / Premises:	Premise: Main Floor Bar Area, Back Storage Room, Office, Outdoor Porch, and Basement Area			
2024 RES 3	DAA SMOKEHOUSE LLC	D/B/A DAVID ALAN ALAN'S SMOKEH	325 BAY VIEW RD, SUITE D/E MUKWONAGO, WI 53149	2623633227 daasmokehouse@daasmokehouse.com
Agent:	TINA O'BRYAN			
Trade name:	DAA SMOKEHOUSE LLC	D/B/A DAVID ALAN ALAN'S SMOKEH	325 BAY VIEW RD, SUITE D/E MUKWONAGO, WI 53149	2623633227 daasmokehouse@daasmokehouse.com
Location / Premises:	Bar Area, Dining Room, Kitchen, Office, Beer Cooler & Patio Area			
2024 RES 2	EL PUEBLO, INC	D/B/A ANTIGUA REAL RESTAURANT	355 BAY VIEW RD MUKWONAGO, WI 53149	2623633355 vini262@yahoo.com
Agent:	MARCO ALARCON			
Trade name:	EL PUEBLO, INC	D/B/A ANTIGUA REAL RESTAURANT	355 BAY VIEW RD MUKWONAGO, WI 53149	2623633355 vini262@yahoo.com
Location / Premises:	Dining Area, Bar, Patio, Storage Area, Kitchen, Assigned Parking Area			
2024 RES 4	SARAB INVESTMENTS	D/B/A THE TERRACES AT AMAN'S	110 CHAPMAN FARMS BLVD MUKWONAGO, WI 53149	4147326774 aman@amansbeer.com
Agent:	AMANDIP SINGH			
Trade name:	SARAB INVESTMENTS	D/B/A THE TERRACES AT AMAN'S	110 CHAPMAN FARMS BLVD MUKWONAGO, WI 53149	4147326774 aman@amansbeer.com
Location / Premises:	Terraces Area Upper Level at 110 Chapman Farms Blvd			

Village of Mukwonago

Business Licenses

Date: 5/30/2024
Time: 6:39 PM
Page: 2

Sorted by: Customer Name
From Date: 7/01/2024 To: 6/30/2025

Type: Class "B"/"Class B" Retail - R

License no	Name	Address	Address 2	Phone / e-mail
2024 RES 6	THAT PLACE RESTAURANT LLC	D/B/A THAT PLACE TRATTORIA	1015 E VETERAN'S WAY MUKWONAGO, WI 53149	4142410600 arturo@thatplacemuk.com
Agent:	ARTURO NAPOLES			
Trade name:	THAT PLACE RESTAURANT LLC	D/B/A THAT PLACE TRATTORIA	1015 E VETERAN'S WAY MUKWONAGO, WI 53149	4142410600 arturo@thatplacemuk.com
Location / Premises:	Bar Area, Storage Room, Office, Basement, Restaurant Area, and Outdoor Patio			
2024 RES 1	THE ELEGANT FARMER INC	D/B/A THE ELEGANT CORK	1541 MAIN STREET MUKWONAGO, WI 53149	2623636771 tinas@elegantfarmer.com
Agent:	TINA SCHMIDT			
Trade name:	THE ELEGANT FARMER INC	D/B/A THE ELEGANT CORK	1541 MAIN STREET MUKWONAGO, WI 53149	2623636771 tinas@elegantfarmer.com
Location / Premises:	The Elegant Farmer and The Elegant Cork to include all buildings indoor/outdoor area at 1541-1545 Main Street.			

Total Licenses: 6

THE DIRECTOR'S REPORT

MAY 2024

MUKWONAGO COMMUNITY LIBRARY

reflections on April

from the desk of
Abby Armour

NEWS YOU CAN USE

National Library Week was April 7 through April 13. Each year, the American Library Association (ALA) uses this week to highlight the importance of libraries, share the most-banned books list from the previous year, and celebrate the incredible staff that make libraries the vibrant centers of communities that they are.

For the first time ever, this year the Village of Mukwonago issued a proclamation recognizing National Library Week, sharing with the community how important they believe libraries to be.

Proclamation

2024 National Library Week Proclamation

WHEREAS, libraries offer the opportunity for everyone to connect with others, learn new skills, and pursue their passions, no matter where they are on life's journey;

WHEREAS, libraries have long served as trusted institutions, striving to ensure equitable access to information and services for all members of the community regardless of race, ethnicity, creed, ability, sexual orientation, gender identity, or socio-economic status;

WHEREAS, libraries adapt to the ever-changing needs of their communities, developing and expanding collections, programs, and services that are as diverse as the populations they serve;

WHEREAS, libraries are accessible and inclusive places that promote a sense of local connection, advancing understanding, civic engagement, and shared community goals;

WHEREAS, libraries play a pivotal role in economic development by providing resources and support for job seekers, entrepreneurs, and small businesses, thus contributing to local prosperity and growth;

WHEREAS, libraries make choices that are good for the environment and make sense economically, creating thriving communities for a better tomorrow;

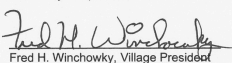
WHEREAS, libraries are treasured institutions that preserve our collective heritage and knowledge, safeguarding both physical and digital resources for present and future generations;

WHEREAS, libraries are an essential public good and fundamental institutions in democratic societies, working to improve society, protect the right to education and literacy, and promote the free exchange of information and ideas for all;

WHEREAS, libraries, librarians, and library workers are joining library supporters and advocates across the nation to celebrate National Library Week;

NOW, THEREFORE, be it resolved that I, [name, title of official] proclaim National Library Week, April 7-13, 2024. During this week, I encourage all residents to visit their library and celebrate the adventures and opportunities they unlock for us every day. Ready, Set, Library!

Dated this 3rd day of April, 2024.


Fred H. Winchowsky, Village President

ATTEST: 
Diana Dykstra, Village Clerk-Treasurer



This year the Waukesha State Bank branch in Mukwonago helped us celebrate National Library Week by donating \$150 toward fines and providing snacks for the staff on National Library Workers Day.

Library users could also take a photo with our selfie cutout or share their story, like the two below. I love this week because it reminds me and the world just how awesome libraries are ❤️

Ready
Set
Library!

Share your library story!

How has the Mukwonago Community Library made a difference in your life?

Name: Ruby

Story: Me and my brother always come to this library, and it is so fun to look at new books and have a good time with the activities going on.
Can we publish? ☒ Yes ☐ No ☐ Only Anonymously
Please bring this card to the Circulation Desk when done.

Name: Payton

Story: I really wanted a book that was about baby sitters club and I finally got it and I was so happy.
Can we publish? ☒ Yes ☐ No ☐ Only Anonymously
Please bring this card to the Circulation Desk when done.

BY THE NUMBERS: MAY

95,282

Total 2024
physical + digital
circulation

*5% increase
over April
2023!*



20,335

physical item circulation
this month

3,612

digital item circulation
this month



582

community members
used our rooms
this month



451

new items added
this month



36,533

Total 2024
visits to the Library

116

new library cards
this month



978

people attended
programs this month



MONDAYS

were our busiest days
for circulation in April

Wow!

4,334 items were checked out Mondays,
an **average of 866 items per day!**



COLLABORATIONS

We are proud to collaborate with other organizations to bring programs, information, and value to the community. Here are some of our activities in April:

- **April Elections** - We work with the Village Clerk-Treasurer to set up an informational table for voters during each election. Since everyone who votes is a Village resident, **100% of this marketing effort goes to our target audience** - and everyone who sees the information is eligible for a library card to take full advantage of all we offer!
- **AARP Tax Prep** - Each year we partner with AARP to bring free tax preparation to seniors in our community. We handle the logistics such as advertising and scheduling, and AARP provides the tax specialists. **This year 381 community members received free tax preparation and 96% of the available slots were filled.**

AARP

*Thanks to all
of the tax prep
volunteers!*

THE DIRECTOR'S REPORT

Mukwonago Community Library
May 2024 - Reflections on April

CIRCULATION & CUSTOMER EXPERIENCE TEAM

Modern libraries rely heavily on digital tools to organization information for users and provide meaningful marketing. This month we worked on:



LibraryAware - We get this powerful marketing platform for free through the Bridges Library System. At a recent seminar, we learned how to use this platform to engage our users with emailed reading suggestions, just-in-time reminders for programs, and more. **We are working on refining our engagement and marketing so that users find it useful, fun, and timely - which will make them more likely to use the Library!**



LibraryMarket

LibraryCalendar - We have been using Library-Calendar for over two years now.

Bridges has purchased it for all system libraries, with the benefits to us being:

- 1) **Cost savings** - We will save \$1,500 this year now that Bridges is paying.
- 2) **Discoverability** - Every system library will share their events in one place, making it easier for library users to find our events or find another local event.

As an early-adopter, I have been part of the team of directors who are helping Bridges align our terminology and provide insight into deploying this software.

Scan the QR code to view our LibraryCalendar



THE DIRECTOR'S REPORT

Mukwonago Community Library
May 2024 - Reflections on April

COLLECTIONS & PROGRAMS TEAM

In 2024, the Bridges Library System launched their CAFE Data Dashboard. They spent almost a year working with Waukesha County IT to develop this dashboard using Microsoft Power BI to enable system libraries to easily see their circulation data in real time.

The Dashboard provides 25 reports of usage.



Circ. by Checkout Type	Circ. by Collection	Circ. by Day	Circ. by Month	Circ. by Item Stat. Class
Circ. by Material Type/Demographic	Circ. by Material Type/Year+Month	Annual Circ. by Material Type	Circ. by Patron Age	Circ. by Patron Code
Circ. by Patron Municipality	Hourly Circ.	Item Deletion by Material Type	New Registrations	New Registrations (2016-present)
Renewals	Unique Patrons	Owning Hold Tns	Shipped Hold Tns	Annual Shipped Hold Tns
Annual Received Hold Tns	Dead Items	Grubby Items	DoA Items	Dead/Grubby/DOA

"It was so easy! It took only two minutes to get the data and then it was fun to see the list of unused items shrink as the books got checked out."

Associate Director Ceithamer

How We are Using It

A pile of data is no good unless it is being used! Associate Director Ceithamer recently used the Dashboard to identify books that had never circulated and created an "Endangered Books" display to encourage usage. **Over half of the items got checked out!**



COLLECTIONS



Hoopla Update

The Bridges Library System member libraries decided to reduce Hoopla checkouts from 4 down to 2. This takes effect on May 1, 2024.

This decision was made to cut costs that have far exceeded our budgets year after year. **Last year we overspent our Hoopla budget by \$3,366. That is 56% overbudget.**

The Costs of Digital

Digital content is very expensive and is priced differently than traditional books. Depending on the publisher, content might be:

- Pay Per Use - the library is charged each time the item is checked out
- Metered Access - the library is limited in their loaning by number of users at a time or number of checkouts before needing to repurchase

Why is this concerning? It means libraries have a lot less control over what they can purchase and how they can offer it to their users.

Hoopla is a Pay Per Use model - which gets expensive quickly. For example, if we bought a hardcover copy of *Harry Potter* for \$25 and it circulated 100 times, we would have only paid \$25. If users check out *Harry Potter* on hoopla 100 times, at \$3 per use, that is \$300 - for the exact same content going to the exact same number of readers.

AROUND THE LIBRARY

What happens to old MetaSpace 511 equipment? We donate it!

Recently we donated our old 3D printers to Parkway School, a learning program for special education students in grades K-12, in West Allis:

"Having 3D printers to augment our learning environment has been an unfulfilled goal so your donation was hugely appreciated. The printers have sparked a newfound curiosity and excitement among students, leading to collaborative discussions, hands-on experimentation, and a deeper understanding of STEM concepts. Overall, the printers have proven to be an invaluable addition to our educational toolkit, empowering students to explore, innovate, and excel in ways we hadn't imagined before."

Parkway School



OLD PRINTERS



NEW PRINTERS

Volunteer Mark valiantly kept our old FlashForge Finders running long past any expectations. The print quality and frequent breakdowns eventually led Lead Innovator Aycock to purchase new Prusa Minis. They have higher quality prints - and are much faster!

THE DIRECTOR'S REPORT

Mukwonago Community Library
May 2024 - Reflections on April



ABBY ARMOUR
LIBRARY DIRECTOR

aarmour@mukwonagolibrary.org
(262) 363-6411 ext. 4100



SHELF LIFE

Mukwonago Community Library Newsletter



That Totality Rocked!

THE SOLAR ECLIPSE AT THE LIBRARY

On Monday, April 8, library staff, patrons, and even some AARP volunteers decorated the front lawn of the library like garden gnomes all looking up at the solar eclipse from about 1:30-2:30 pm. Southeastern Wisconsin experienced a 90%-coverage solar eclipse and it was thrilling to watch the moon across in front of the sun and witness the eerie dimming of the light. It was also interesting to think about how during that one hour, millions of people were all doing the one thing we're always told not to do; stare at the sun!

How did the library obtain the solar eclipse glasses?

"With an Annular Solar Eclipse in 2023 and a Total Solar Eclipse in 2024, the STAR Library Education Network's SEAL (Solar Eclipse Activities for Libraries) distributed approximately 5 million solar eclipse viewing glasses to libraries in all 50 states and all US territories and protectorates." (taken from www.starnetlibraries.org). After seeing this opportunity, Miss Jane, our Youth Services Librarian, applied to receive 500 solar eclipse glasses back in July 2023 so they could be distributed to our patrons! Not sure that would be enough, she ordered an additional 100 pairs. We distributed some of the glasses in October 2023 during the annual solar eclipse, but distributed the majority of the supply within the last four weeks. Patrons had the opportunity to complete a Solar Eclipse Scavenger Hunt in order to receive their glasses early which many enjoyed. We distributed over 250 pairs of glasses on Monday morning alone! A huge shout out to Miss Jane for taking the initiative so that we could enjoy this special event.

Note From The Director

Each year libraries around the country celebrate National Library Week on the second week in April. This week is dedicated to promoting and celebrating how meaningful libraries are to each and every community. Weeks like this are important for a few reasons:

- **Highlights the importance of libraries** - With so much going on in our lives, it can be easy to miss - or forget - about things that are steadfast and constantly available. Taking some time to bring libraries into the spotlight once a year reminds everyone about the resources, people, and spaces that are always there for them.
- **Celebrate library staff** - My staff works incredibly hard to provide high-quality service, engaging programming, and exciting collections to the community. A library without these dedicated, passionate people is just a warehouse full of books!
- **Engage with the community** - Our community is proud to have such an amazing library and they have joined in the celebrations. From Waukesha State Bank donating \$150 towards fines to the Village of Mukwonago Board of Trustees recognizing National Library Week in a proclamation, National Library Week provides a time for everyone to show how much their library means to them.



Abby R. Armour
Abby Armour, Director



Lucky Day Collection

DO YOU FEELING LUCKY...PATRON?

Have you ever been number 157 on the holds queue for a brand new book you just can't wait to read? Well, now you have the chance to snag many sought-after fiction books on a first-come, first-served basis, making every visit to the library your chance to get lucky! Check out the Lucky Day Collection display located in the center of the library.

But wait! There's more! You can also find Lucky Day titles on Libby! Login to Libby using your Café library card and pin numbers, then select the "Skip The Line" filter to see what popular new eBooks and eAudiobooks are available without the wait!

New to Libby? Visit libbyapp.com or scan this code to get started.



Friends of the Library

SUPPORT THE LIBRARY AND HAVE SOME FUN!

Joining the Friends of the Mukwonago Community Library is a rewarding opportunity to make a meaningful impact in the local community. Just a few of the many ways to contribute include assisting with setup and sales during important fundraising events such as the annual rummage sale, but could also include volunteering at during library programs such as the Summer Library Program Kick-Off Event. By lending your time, skills, and enthusiasm, you not only support the library but also become part of a close-knit community with the opportunity to build life-long friendships. If you're looking to be active in your community and promote the library, joining the Friends of the Mukwonago Community Library is a wonderful choice!

Have questions? Let us know!

✉ muklibfriends@gmail.com

🌐 www.mukwonagolibrary.org/friends-of-the-library/

📘 @Friends Of Mukwonago Community Library



Join our next meeting

**Thursday,
April 18
1-4 pm**

in the Community Room



Book Recommendations

SHARE YOUR FIND WITH US

As you know our library is full of books...over 80,000 in fact! With approximately 247,000 items checked out last year, it's a safe bet that many of you have read some really wonderful books recently that you would recommend to the community. Your recommendation may allow another reader to explore new authors, genres, and perspectives. On your next visit to the library, take a few minutes to fill out one or more of the **Patron Book Recommendation** cards located on the table in the NEW BOOKS area and we will highlight the title or author in the aisles. Patrons browsing for their next selections may use your review to find their next adventure or learning opportunity. The only request is that your recommendation be a book that is on our shelf.



A Makerspace for the Whole Community

Mukwonago Robotics Team Watch Party

LIVE-STREAM FROM HOUSTON, TX

The Mukwonago High School FIRST Robotics Team 930 Mukwonago BEARs are the regional winners and FIRST Impact winners, Team 930 will be in Houston, TX competing for the FIRST Robotics Championship (FRC) World Competition! Over 600 teams from around the world are competing in this week-long event. Join us to watch a live stream of the competition and cheer on MetaSpace 511 Innovator in Residence Jack and the Mukwonago High School FIRST Robotics Team 930 Mukwonago BEARs. The watch party is open to our library community, family, friends, and members of Team 930 Mukwonago BEARs Robotics. Hosted by MetaSpace 511 and the Friends of the Library.



JACK



Drop in April 20 from 9 am-4 pm!

Maker-In-Residence Programs

Meet Grace, our new Maker-in-Residence! She brings her creativity, love of new ideas, and working with people to the makerspace! ideas! Grace is also part of our Teen Advisor Board (TAB), making her a familiar face in the library. Grace is excited to share her love of needle and needling felting with everyone. Visit our Events Calendar for registration information.

**EVENTS
CALENDAR**



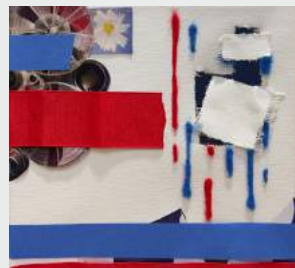
Wet Felted Animals

Wednesday, April 10
5:30-6:30 pm
Open to ages 8-12



Mixed Media Needle Felting

Wednesday, April 17
5:30-7:30 pm
Open to teens and adults 13+



Wet Felted Shibori Flower

Wednesday, April 24
5:30-7:30 pm
Open to teens and adults 13+



Have a question for the MetaSpace 511 crew?

Call (262) 363-6411 ext. 4111, or email: metaspace511@mukwonagolibrary.org

NEW EXPLORE PASS!

Available on May 1 is our newest Explore Pass to the International Crane Foundation which is located in Baraboo, WI! Patrons are invited to learn all about cranes, how to protect their habitats, and of course to watch them in action. The foundation is the only site in the world that houses all 15 of the world's species of cranes! Enjoy a hike on the trails and browse the nature-themed gift shop. Our pass allows free access for immediate family members plus two guests and can be borrowed for three days.



Simple Streaming

NEW CHANNELS ADDED TO OUR ROKU DEVICES

Streaming of television shows and movies has quickly gained popularity over the past 10 years. Devices like the Roku have revolutionized the way we enjoy entertainment. With a vast array of channels and content at our fingertips, patrons have a wide variety of options to catch up on the latest shows or view new movies. Enjoy modern entertainment without needing a traditional cable subscription.

The streaming device we currently offer is the Roku Streaming Stick+.



Roku devices have been offered at our library for well over five years, but we have recently made some upgrades! Due to the popularity of streaming services, we have added a new Lucky Day Roku device which is first come, first served.

Our Roku devices offer free access to Netflix, Acorn TV, and Disney+ with the recent additions of Hulu and ESPN+. Stream movies, tv shows and other content from free from the comfort of your own living room for seven days!



What do I need at home to use the Roku?

All you need to enjoy the Roku at home, other than you pajamas and a large bowl of popcorn, is Wi-Fi and a television with an HDMI port.



Canvas Tote Painting for Teens

CUSTOMIZE YOUR REUSABLE BAG

On Monday, April 29 from 4-5 pm, teens ages 13-18 are invited to paint a canvas tote with fabric paint to create a unique, reusable bag you'll be able to carry all of your library books (and other items) in! All supplies including the tote bag, fabric paint, and fabric markers will be provided. Invite a friend and register today!



SCAN TO REGISTER

Bilingual Picture Books

FEATURING TEN LANGUAGES

Did you know we have children's bilingual picture books? This exciting collection features dozens of picture books in languages such as Plains Cree, Hawaiian, Japanese, Navajo, Spanish, Chinese, Ojibwe, Inuktitut, Persian, and Anishinaabemowin! Explore the beauty of different cultures and languages by learn about new stories, characters, and traditions from around the world. Ask a staff member to show you our selection on your next visit or browse our online Café Catalog and place some holds today!



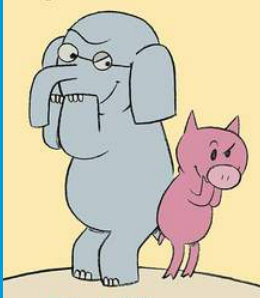
Look for the ORANGE dots!

Just For Kids!

Elephant & Piggie Are Hiding

FIND THEM AND EARN A FREE BOOK

Elephant and Piggie are trying to surprise each other and are hiding throughout the library! Can you find them all! Turn in your completed answer sheet in exchange for a free book from our Youth Prize Book



Collection. This contest is open to children and teens of all ages and ends April 30.

Fairytales and Folklore Contest

WIN TICKETS TO THE ZOO!

On your next visit the Library, see if you can name all of the famous fairytale and folklore characters Miss Jane has on display. Turn in your contest sheet for a chance to win a 6-pack of tickets to the Milwaukee County Zoo, passes to ride the Safari Train or carousel, and a behind-the-scenes tour! This contest is open to children and teens of all ages and ends April 30.



Contact Us!

Mukwonago Community Library
511 Division Street
Mukwonago, WI 53149
262-363-6411
Director: Abby Armour
Email: info@mukwonagolibrary.org

Follow us!



Monday - Thursday 9 am - 8 pm
Friday 9 am - 6 pm
Saturday 9 am - 4 pm

Resolution 2024 - 32

VILLAGE OF MUKWONAGO, WISCONSIN

**A RESOLUTION ADOPTING THE POSITION DESCRIPTION OF THE
VILLAGE ADMINISTRATOR**

Title: Village Administrator
Department: Administration
Reports to: Village Board

Status: Full-Time Salaried, NR
Revised & Adopted:

-
- I. MISSION.** To provide service for the citizens of the Village of Mukwonago through service delivery, customer satisfaction and protection of Village assets.
- II. PRIMARY FUNCTION.** Carry out directives of the Village President and Village Board which require administrative implementation reporting promptly to the Village President and Village Board. Serves as the municipality's Chief Administrative Officer, responsible for the overall administration of all day-to-day operations of the Village offices and departments, except the municipal judge and library.
- III. ESSENTIAL DUTIES AND RESPONSIBILITIES.** The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

A. Leadership

1. Envisions and enacts initiatives that promote the Village's mission, vision, and values.
2. Facilitates collaborations, discussions, and resource sharing between departments, Trustees, and stakeholders.
3. Provides a consistent and regular flow of information to appropriate individuals and groups.
4. Respects and encourages feedback as part of the communication process.
5. Demonstrates an ability and willingness to adapt to changing organizational needs.
6. Demonstrates problem solving skills and fosters an environment that encourages new ideas.
7. Identifies opportunities for improvement and develops new concepts, processes, policies, and/or procedures.
8. Advocates for Village issues at local, county, and state government levels.
9. Schedules and ensures training for staff to meet the needs of the Village and maintain high quality services.

B. Executive Officer for the Village

1. Responsible for the proper interpretation and efficient execution of policies and programs established by the Village Board and assigned to the offices within the Village operations.
2. Serves as ex-officio nonvoting member of all Village commissions and committees of the Village, except as specified by the Board President and Village Board or Wisconsin State Statutes.
3. Provides advice and recommend policies to elected and appointed officials, boards, commissions and committees for their consideration.
4. Provides guidance and direction relating to the usage and management of Village-owned property and infrastructure.
5. Communicates with co-workers, supervisors, the public and board members on Village business.

6. Attends professional meetings and keeps abreast of developments in municipal government.
7. Oversees the preparation and maintenance of the annual budget.
8. Implements risk management policies and procedures.
9. Implements the policy directives of the Village Board and Committees.
10. Performs related duties as required by State Statute & Municipal Code.

C. Economic Development

1. Plans, designs, and implements economic development strategies.
2. Acts as a key liaison between public and private sectors and the community.
3. Attends meetings with developers and facilitates communication between the appropriate stakeholders.
4. Promotes economic growth in the community and addresses economic issues confronting the community.
5. Seeks grants and/or funding sources for community growth.
6. Understanding of Tax Increment Financing and its impact for a community of our geographic size.

D. Departmental Oversight

1. Oversees appropriate staffing and management of the Village's departments.
2. Provides support and guidance to Department Heads.
3. Consults with Department Heads regarding projects, recommendations, or other Village business that would impact a Village department.
4. Manages external consultants providing Village professional services.

E. Personnel Management

1. Manages and administers personnel policies and programs, including compensation practices, labor/employee relations, contract negotiations, and staff recruitment.
2. Performs overall employee management including evaluation systems and compensation adjustments per approved budget guidelines.
3. Oversees the completion of employee performance evaluations in conformity with Village guidelines and timelines.
4. Resolves employee problems, addresses complaints, and sets the organizational culture.
5. Develop strong professional staff, provide feedback, guidance and opportunities for development; ensure department heads do the same with their respective employees.

F. Public Relations

1. Develops and maintains effective working relationships with business community and local, regional, state and federal governments and agencies.
2. Cultivates strong relationships with residents, businesses, community organizations, and other stakeholders to understand their needs, address concerns, and promote civic engagement and participation.
3. Provides oversight of communications concerning Village operations to internal and external parties.

G. Additional Knowledge, Skills, Abilities, and Requirements

1. Thorough knowledge of the function and organization of municipal government and of the workings of the Village Board.
2. Knowledge of the general laws and administration policies governing all areas of municipal operations.
3. Knowledge of economic development practices.

4. Ability to adhere to professional standards of behavior.
5. Ability to communicate professionally and effectively in a variety of mediums and situations.
6. Must effectively utilize computer technology which benefits Village operations.
7. Must comply with the conditions of employment as stated in the Village of Mukwonago Employee Handbook.

IV. EDUCATION, LICENSURE/CERTIFICATION AND EXPERIENCE. To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skills and abilities required.

1. Bachelor's degree in Business Administration, public administration or related and/or five years municipal administration experience required.
2. Master's Degree in Public Administration preferred.

V. AMERICANS WITH DISABILITIES ACT (ADA) ESSENTIAL ELEMENTS AND QUALIFICATIONS. The physical demands described here are representatives of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. Work is performed inside a typical interior/office work environment. While performing the duties of this job, this position is regularly required to:

1. Constantly remain in a stationary position
2. Frequently move around an office environment to access drawers, shelving, office equipment, etc.
3. Constantly operate a computer and other office productivity equipment such as a computer, copier, telephone, tablet, etc.
4. Occasionally position self to reach office equipment, tall shelves, low shelves, into deep bins, etc.
5. Constantly communicate with Trustees, staff, and the public. Must be able to exchange accurate and timely information in these situations. C
6. Constantly engage in hearing activities that require the ability to participate in numerous conversations throughout the day in a variety of mediums including but not limited to in person, online, and over the telephone.
7. Frequently process and respond to questions and requests from Trustees, staff, and the public. Must be able to exchange accurate and timely information in these situations.
8. Frequently detect and decode writing, pictures, and colors on a computer screen, in small and large size, on signage, close up, and on a variety of surfaces

We are an equal opportunity employer. The job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee. Duties, responsibilities and activities may change or new ones may be assigned at any time with or without notice.

The Village of Mukwonago is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the Village will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

Adopted by the Village Board this June 19, 2024.

Fred Winchowky, Village President

Attest: _____
Diana Dykstra, Clerk-Treasurer

VILLAGE OF MUKWONAGO
WAUKESHA AND WALWORTH COUNTIES

RESOLUTION NO. 2024-33

**A RESOLUTION ADOPTING CODE OF CONDUCT FOR ELECTED AND APPOINTED
OFFICIALS FOR THE VILLAGE OF MUKWONAGO**

WHEREAS, the Village of Mukwonago Village Board of Trustees determined it was essential to develop a Code of Conduct policy that applies to Elected and Appointed officials; and

WHEREAS, this document may required to be updated periodically to reflect changes in statutes or processes in the Village; and

WHEREAS, the attached document reflects direction from the Personnel Committee Chair and Legal Counsel shown in EXHIBIT A.

NOW, THEREFORE, BE IT RESOLVED, that the Village of Mukwonago Board of Trustees, hereby approves the Code of Conduct For Elected and Appointed Officials herewith attached and approves of the same.

Adopted and approved this 19th day of June 2024.

APPROVED:

Fred H. Winchowky, Village President

ATTESTATION:

Diana Dykstra, MMC
Village Clerk-Treasurer





**CODE OF
CONDUCT FOR
ELECTED AND
APPOINTED
OFFICIALS**

TABLE OF CONTENTS

		Page
Section 1	Declaration	3
Section 2	Officials Conduct with Elected Officials	5
Section 3	Officials Conduct with Village Staff	6
Section 4	Officials Conduct with the Public	8
Section 5	Officials Conduct with Public Agencies	9
Section 6	Officials Conduct with Boards & Commissions	10
Section 7	Officials Conduct with Media	10
Section 8	Compliance with State Law	11
Section 9	Prohibited Acts	14
Section 10	Enforcement	16
	Acceptance Form	20

CODE OF ETHICS AND VALUES

Good government requires that decision-makers and policy makers be independent, impartial, and accountable to the people they serve. The Village of Mukwonago has adopted this Code of Ethics and Values to promote and maintain the highest standards of personal and professional conduct in the pursuit of good government. All elected and appointed officials, Village employees, volunteers, and others who participate in the village's government are required to subscribe to this Code, understand how it applies to their specific responsibilities, and practice its core values in their work.

SECTION 1 **DECLARATION OF POLICY**

It is the policy of the Village of Mukwonago to uphold, promote, and demand the highest standards of ethics from its elected officials. Accordingly, members of the Village Board of Trustees and shall maintain the utmost standards of personal integrity, trustfulness, honesty, and fairness in carrying out their public duties, avoid any improprieties in their roles as public servants, comply with all applicable laws, and never use their Village position or authority improperly or for personal gain.

The Village of Mukwonago and its elected officials share a commitment to ethical conduct and service to the Village of Mukwonago. This Policy has been created to ensure that all officials have clear guidelines for carrying out their responsibilities in their relationships with each other, with the Village staff, with the citizens of Mukwonago, and with all other private and governmental entities.

The Village Board believes that a Code of Ethics for the guidance of Village public officials and Village employees will help them avoid conflicts between their personal interests and their public responsibilities, will improve standards of public service and will promote and strengthen the faith and confidence of the people of the Village in their Village public officials and Village employees. In recognition of these goals, there is hereby established a Code of Ethics for all Village of Mukwonago officials and employees, whether elected or appointed, paid or unpaid, including members of boards, committees and commissions of the Village.

Application

This code applies to the following persons:

- (a) All elected officials of the Village.
- (b) All employees of the Village.
- (c) All members of Village Boards, Committees and Commissions.

Definitions

All definitions as set forth in § 19.42 of the Wisconsin Statutes (as amended from time to time) shall apply to the provisions.

Financial Gain Prohibited

No local public official may use his or her public position or office to obtain financial gain or anything of substantial value for the private benefit of himself or herself or his or her immediate family, or for an organization with which he or she is associated.

Solicitation Prohibited

No person may offer or give to a local public official, directly or indirectly, and no local public official may solicit or accept from any person, directly or indirectly, anything of value if it could reasonably be expected to influence the local public official's vote, official actions or judgment, or could reasonably be considered as a reward for any official action or inaction on the part of the local public official. This paragraph does not prohibit a local public official from engaging in outside employment.

Influence Prohibited

No local public official or candidate for local public office may, directly or by means of an agent, give, or offer or promise to give, or withhold, or offer or promise to withhold, his or her vote or influence, or promise to take or refrain from taking official action with respect to any proposed or pending matter in consideration of, or upon condition that, any other person makes or refrains from making a political contribution, or provide or refrain from providing any service or other thing of value, to or for the benefit of a candidate, a political party, any person who is subject to a registration requirement under s. 11.05, or any person making a communication that contains a reference to a clearly identified local public official holding an elective office or to a candidate for local public office.

Standards of Conduct

The following standards of conduct shall serve as guidelines for Village public officials and employees:

(a) **Improper Use of Property or Position.** No Village Official shall request or permit the use of Village-owned vehicles, equipment, materials, or property for personal convenience or profit, or for that of another, except when the same is available to the public generally and except where otherwise authorized by the Village Board. No Village Official shall grant any privilege, anything of value, special consideration, treatment or advantage to any person beyond that which is available to every other person except as may be specifically provided for by law.

(b) **No Impairment of Judgment.** No Village Official shall engage in or accept employment or render service, whether paid or unpaid, when such employment or service would impair or reasonably appear to impair her or his independence of judgment or action in the performance of official duties.

(c) **Use of Confidential Information.** No Village Official may intentionally use or disclose information gained in the course of or by reason of her or his official position or activities in any way that could result in the receipt of anything of value for herself or himself, for a member of her or his immediate family, or for any other person or

legal entity if the information has not been communicated to the public or is not a public record.

(e) **No Receipt of Gifts or Favors.** No Village Official may receive and retain any transportation, meals, entertainment, fee, food, beverage, or reimbursement therefore, nor any honoraria, service fee or contract payment or anything of value.

(f) **Incompatible Representation.** No elected official shall appear on behalf of private interests with or without compensation before any Village entity nor represent private interests in any action, proceeding or matter against the Village. No appointed member of any board, committee or commission of the Village shall appear on behalf of private interests with or without compensation before the board, committee or commission of which she or he is a member nor represent private interests in any action or proceeding against the Village which involves, is related to or arises out of the work or jurisdiction of the board, committee or commission of which she or he is a member. No employee of the Village shall appear on behalf of private interests with or without compensation before any entity for or with which she or he works nor appear on behalf of private interests with or without compensation in any action or proceeding against the Village.

SECTION 2

ELECTED OFFICIAL CONDUCT WITH ONE ANOTHER

The Village Board of Trustees (hereinafter the “Board”) have a responsibility to set the policies for the Village. In doing so, certain types of conduct are beneficial while others are destructive. The Board has the responsibility to take the high road on Intra-Board conduct and to treat other Board members as they themselves would like to be treated.

The Board is composed of individuals with a wide variety of backgrounds, personalities, values, opinions, and goals. Despite this diversity, all choose to serve in public office and, therefore, have the obligation to preserve and protect the well-being of the community and its citizens. In all cases, this common goal should be acknowledged, and the Board must recognize that certain behavior is counterproductive, while other behavior will lead to success.

A. Use Formal Titles

The Board shall try to refer to one another formally during public meetings as President and Trustee followed by the individual’s last name.

B. Use Civility and Decorum in Discussions and Debate

Difficult questions, tough challenges to a particular point of view, and criticism of ideas and information are legitimate elements of free democracy in action.

Every Board member has the right to an individual opinion, which should be respected by the other Board members.

Board members shall not be hostile, degrading, or defamatory when debating a contentious issue. Board members should assume the other members of the Board have the appropriate motives and interest of the public in mind and should not criticize differing opinions because they believe them to be lacking in judgment or improperly motivated.

However, this does not allow Board members to make belligerent, impertinent, slanderous, threatening, abusive, or personally disparaging comments in public meetings or during individual encounters. Shouting or physical actions that could be construed as threatening or demeaning will not be accepted.

C. Honor the Role of the Chair in Maintaining Order

It is the responsibility of the President, as Chair of the Board, to keep the comments of Board members on track during meetings. Board members should honor efforts by the President to focus discussion on current agenda items. If there is disagreement about the agenda or the President's actions, those objections should be voiced politely and with reason, following commonly recognized parliamentary procedure. Likewise, the same responsibilities vested in the President for Board meetings, are vested in the Committee Chair for Committee meetings.

SECTION 3
ELECTED OFFICIAL CONDUCT WITH VILLAGE STAFF

Governance of the Village relies on the cooperative efforts of elected officials who set policy and the Village staff who implement and administer the Board's policies. Therefore, every effort should be made to be cooperative and show mutual respect for the contributions made by each other for the good of the community.

A. Treat all Staff as Professionals

Board members should treat all staff as professionals. Clear, honest communication that respects the abilities, experience, and dignity of each individual is expected. Poor behavior toward staff is not acceptable. Board members should refer to staff by their title followed by the individual's last name in public meetings when first introduced.

B. Never Publicly Demean or Personally Attack an Individual Employee

Board members shall never demean or personally attack an employee regarding the employee's job performance in public. All employee performance issues shall be forwarded to the employee's supervisor or the Village Attorney through private correspondence or conversation.

C. Do not Engage in Conduct Towards Staff that May be Viewed as Harassing, Discriminating, or Retaliating

Board members shall avoid placing the Village in a position of potential legal liability by harassing, discriminating, or retaliating against a Village staff member on the basis of a protected class or protected conduct. Harassment includes unwelcome conduct, whether verbal, physical, or visual based on a protected characteristic.

This prohibition also includes sexual harassment, defined to include explicit sexual propositions, sexual innuendo, suggestive comments, sexually oriented “kidding” or “teasing,” “practical jokes,” jokes about gender-specific traits, foul or obscene language or gestures, display of foul or obscene printed or visual material, and physical conduct such as patting, pinching, or brushing against another’s body.

D. Do not Supersede Administrative Authority

Unless otherwise provided in this Code, neither the Board, nor any of its members, shall attempt to supersede the administration’s powers and duties. Neither the Board nor any member thereof shall give orders to any subordinate of the Department Heads, either publicly or privately. Board members shall not attempt to unethically influence or coerce Village staff concerning either their actions or recommendations to Board about personnel, purchasing, awarding contracts, selection of consultants, processing of development applications, or the granting of Village licenses and permits.

Nothing in this section shall be construed, however, as prohibiting the Board while in open session from fully and freely discussing with or suggesting to the Department Heads anything pertaining to Village affairs or the interests of the Village.

E. Do not Solicit Political Support from Staff

Board members should not solicit any type of political support (financial contributions, display of posters or lawn signs, name on support list, collection of petition signatures, etc.) from Village staff. Village staff may, as private citizens within their constitutional rights, support political candidates, but all such activities must be done away from the workplace.

Photographs of uniformed Village employees shall not be used in political ads.

SECTION 4

ELECTED OFFICIAL CONDUCT TOWARDS THE PUBLIC

In Public Meetings

Making the public feel welcome is an important part of the democratic process. No signs of partiality, prejudice, or disrespect should be evident on the part of individual Trustees toward an individual participating in a public forum. Every effort should be made to be fair and impartial in listening to public testimony. The Trustees are expected to demonstrate, both publicly and privately, their honesty and integrity, and to be an example of appropriate and ethical conduct. All Trustees should convey to the public their respect and appreciation for the public's participation, input, and opinions.

A. Be welcoming to Speakers and Treat them with Care and Respect

For many citizens, speaking in front of the Board is a new and difficult experience. Under such circumstances, many are nervous. Trustees are expected to treat citizens with care and respect during public hearings. Trustees should commit full attention to the speakers or any materials relevant to the topic at hand. Comments and non-verbal expressions should be appropriate, respectful, and professional. If a speaker's comments become abusive or inappropriate, the Board Chair is responsible for handling such conduct according to Robert's Rules. All other Board members should defer to allow the Chair to address the situation.

B. Be Fair and Equitable in Allocating Public Hearing Time to Individual Speakers

Generally, each speaker will be allocated three minutes, with applicants and appellants or their designated representative allowed more time. If many speakers are anticipated, the President may shorten the time limit and/or ask speakers to limit themselves to new information and points of view not already covered by previous speakers.

Each speaker may only speak once during the public hearing unless the Board requests additional clarification later in the process. After the close of the public hearing, no additional public testimony will be accepted unless the Board reopens the public hearing for a limited and specific purpose.

C. Ask for Clarification, but Avoid Debate and Argument with the Public

Only the President, not other Trustees, should interrupt a speaker during a presentation. However, other Trustees may ask the President for a point of order if the speaker is off the topic or exhibiting behavior or language the Trustee finds disturbing. Questions directed by Trustees to members of the

public testifying should seek to clarify or expand information, not to criticize or debate.

D. Follow Parliamentary Procedure in Conducting Public Meetings

The Attorney serves as advisory parliamentarian for the Village and is available to answer questions or interpret situations according to parliamentary procedures. Final rulings on parliamentary procedure are made by the President or Committee Chair during Committee of the Whole meetings, subject to the appeal of the full Board or Committee per Roberts Rules of Order. [GBMC 2.06(1)]

Outside Public Meetings

E. Make no Promise on Behalf of the Village or Board in Unofficial Settings.

Trustees will frequently be asked to explain a Board action or to give their opinion about an issue as they meet and talk with constituents in the community. It is appropriate to give a brief overview of Village policy and to refer to Village staff for further information. Overt or implicit promises of specific Board action or promises that Village staff will take some specific action shall be avoided.

Trustees must ensure that in expressing their own opinions they do not mislead any listener into believing that their individual opinion is that of the entire Board, unless the Board has taken a vote on that issue and the Trustee's opinion is the same as the decision made by the Board. Likewise, no Trustee should state in writing the Trustee's position in a way that implies it is the position of the entire Village Board. A Board member has the right to state a personal opinion and has the right to indicate that he/she is stating such as a member of the Board but must always clarify that he/she is not speaking on behalf of the Village or the Board unless authorized by the Board to do so.

SECTION 5

ELECTED OFFICIAL CONDUCT WITH PUBLIC AGENCIES

A. Be Clear about Representing the Village or Personal Interests

If a Trustee appears before another governmental agency or organization to give a statement on an issue, the Trustee must clearly state whether his or her statement reflects personal opinion or is the official stance of the Village.

Trustees must inform the Board of their involvement in an outside organization if that organization is or may become involved in any issue within the Village's jurisdiction. If an individual Trustee publicly represents or speaks on behalf of another organization whose position differs from the Village's official position

on any issue, the Trustee must clearly communicate the organization upon whose behalf they are speaking and must withdraw from voting as a Trustee upon any action that has bearing upon the conflicting issue.

B. Representation of the Village on Intergovernmental Commissions and Other Outside Entities

Board members serving on committees or boards as a Village representative for outside entities or agencies shall properly communicate with other Board members on issues pertinent to the Village.

SECTION 6

ELECTED OFFICIAL CONDUCT WITH BOARDS AND COMMISSIONS

A. Limit Contact with Board and Commission Members to Questions of Clarification

Board members shall not contact a Board or Commission member to lobby on behalf of an individual, business, or developer for personal gain. Board members may contact Board or Commission members in order to clarify a position taken by the Board or Commission or a member thereof. Board members may respond to inquiries from Board and Commission members. Communications should be for information only.

B. Attendance at Board or Commission Meetings

Board members may attend any Board or Commission meeting, which are always open to any member of the public. However, they should be sensitive to the way their participation is viewed, especially if it is on behalf of an individual, business, or developer, which could be perceived as unfairly affecting the process.

C. Be respectful of Diverse Opinions

A primary role of Boards and Commissions is to represent many points of view in the community and to provide the Board of Trustees with advice based on a full spectrum of concerns and perspectives. Board members must be fair and respectful to all citizens serving on Boards and Commissions.

SECTION 7

ELECTED OFFICIAL CONDUCT WITH THE MEDIA

A. Expression of Positions on Issue

When communicating with the media, Trustees should clearly differentiate between personal opinions and the official position of the Village. Each Trustee

represents one vote of seven and until a vote on any issue is taken, Trustee's positions are merely their own.

B. Discussions Regarding Village Staff

Trustees should not discuss personnel issues or other matters regarding individual Village staff in the media. Any issues pertaining to Village staff should only be addressed directly to the Department Head or Village Attorney.

SECTION 8
COMPLIANCE WITH STATE LAW

Open Meetings Law

The Village Board and municipal committees are subject to the open meetings law. A meeting is defined as the convening of the members of a governmental body for the purpose of exercising the responsibility, authority, power, or duties delegated to that body. A meeting is subject to the law whenever the governmental body is meeting for official purposes. A meeting does not include a chance social gathering not intended to avoid the law. However, when one-half or more of the members of a governmental body are present the meeting is “rebuttably presumed” to be for official purposes.

Public Notice

The heart of the Open Meetings Law is the requirement that all meetings of a governmental body be preceded by an official public notice. It is the Committee Chairperson’s responsibility to assure that appropriate public notice is provided for the Clerk’s office to adhere to the statutory posting requirements. Public notice should be provided in the following manner:

- As required by state statutes;
- Notice shall set forth the time, date, place, and subject matter of the meeting including any closed session; and
- Notice shall be made public at least 24 hours prior to the commencement of such meeting, or 2 hours under special circumstances.

Closed Session

Generally, meetings of governmental bodies must be held in open session. Nevertheless, meetings may be closed for a number of reasons, in accordance with Wisconsin Statute section 19.85. Generally, these include:

- To deliberate after a quasi-judicial hearing;
- To consider the discipline of an employee of the Village;
- To consider other employment issues, such as promotion, performance, and compensation;
- To deliberate or negotiate the purchase of public properties, or conduct other business whenever competitive or bargaining reasons require a closed session;

- To discuss personnel issues that could adversely affect an employee's reputation; and
- To confer with legal counsel, when pertinent.

Closed sessions that are planned in advance must be presented in the public notice. The discussion in closed session must be limited to the topic(s) for which the meeting was closed. Additionally, the governmental body may not reconvene in open session until 12 hours after the completion of the closed session, unless the body indicated in its original public notice that it intends to return to open session.

It is critical to stress that there shall be no disclosure of closed session confidential information by Trustees or others who have attended a closed session. Trustees, employees of the Village, or anyone else present shall not disclose to any person, including affected/opposing parties, the press or anyone else, the content or substance of any discussion which takes place in a closed session without Village Board direction and concurrence. Whenever possible, written reports received for closed session items will be turned in at the end of the meeting.

Other Meetings

Governmental body members must be very careful when discussing Village Board or committee business with other members outside of the properly noticed meeting. Whenever a majority of the members of one governmental body plan to attend the meeting of another governmental body, public notice **must** be given that the majority of the body will be attending. This does not apply to the possible situation in which the quorum of the Village Board is also the majority of another governmental body (e.g., a committee or board). A single public notice would give the public the fullest knowledge possible because it gives notice of the individuals from the Village Board who will be present, as they make up the membership of the other governmental body.

For events at which a quorum of the Village Board may be present, a public notice is included on the agenda. The purpose of the notice is to inform the public that a quorum of the Village Board may be present, but that the Trustees will take no official action.

Penalties

Violations of the Open Meetings Law may be prosecuted by the district attorney, attorney general, or by a private individual, if the district attorney does not take the case.

Public Records Law

It is the policy of the State of Wisconsin and the Village that all persons are entitled to the greatest possible information regarding the affairs of government and the official

acts of its officers and employees. Providing the Public with such information is an essential component of representative government. Thus, the Public Records Law is to be interpreted in every instance with a presumption of complete public access.

The Wisconsin State Statutes define "Public Record" as "any material on which written, drawn, printed, spoken, visual or electromagnetic information is recorded or preserved, regardless of physical form or characteristics, which has been created or is being kept by an authority." Sec. 19.32 (2), Stats. "Authority" includes any Village office, elected official, agency, board, commission, committee, or department. All handwritten, typed or printed pages, maps, charges, photographs, films, recordings, tapes, and computer printouts that are produced or maintained by any Village officer, official, or employee as a function of the job is a Public Record.

If the Village or an individual representing the Village withholds a record or part of a record, or delays granting access to a part of a record after a written request for disclosure is made, the requester is authorized to bring a legal action against the municipality asking the court for the release of the record. If the requester who brought the action prevails in court, there may be an award of reasonable attorney's fees, damages of not less than \$100 and other actual costs to the requester. These costs and fees are the liability of the Village, and not of an individual.

Electronic Communication

E-mail communications by government officials and employees are public records, just like letters, other documents, or computer data. Wis. Stat. § 19.32(2). Under the public records law, every governmental body must have a records retention policy published in a public place.

Wis. Stat. ss. 19.31-39. E-mail is subject to that policy and must be maintained according to whatever policy the governmental unit has adopted regarding records retention.

Elected officials are the custodians of their own documents under the public records law because they are included in the definition of "authority" in Wis. Stat. § 19.32(1). Thus, if they choose to use e-mail as a form of communication, each elected official is responsible for maintaining those records so that they can be accessed according to the governmental body's records policy. This would apply to home computers as well as office computers, phones, or tablets, if the topic of the e-mail is the business of the governmental unit, rather than personal communications. The same is true with respect to letters or files an elected official may keep at his or her home.

While the governmental body may be well advised to adopt procedures and methods to make records retention easier and more consistent, the responsibility is that of the elected official to maintain his or her records consistent with the law. Whether or not e-mail implicates open meetings law issues is a more complicated question and the answer depends heavily on the specific facts of each individual situation. The answer

to the question can best be described as depending on whether or not the e-mail exchange more closely resembles “correspondence” or a “conversation.” When e-mails are exchanged in close proximity in time to each other among a group of elected officials, they can become much more like a phone or personal conversation or meeting, than a group of letters. Instant messaging makes this all the more likely. However, the same problem could occur if people are responding quickly to each other or “forwarding” or “replying to all” in e-mails even without instant messaging.

An open meetings violation may occur if elected officials are instant “messaging or “contacting” each other via e-mail within a close time frame if: 1) enough of them are involved in the messaging to determine the body’s course of action, and 2) there is a purpose to engage in governmental business. An open meetings violation could also occur if a single official were to e-mail other officials in succession, asking for their support of a particular matter or position. If the sender (or others forwarding the sender’s e-mail) were to reach enough officials to constitute a quorum necessary to take the action contemplated in the e-mail, or to block a contemplated action, then a “walking quorum” or “negative quorum” violation may occur. See, the Wisconsin Supreme Court decision in *State ex rel. Newspapers v. Showers*, 135 Wis. 2d 77, 102, 398 N.W.2d 154 (1976), for a discussion of some of these issues.

Because of these concerns, public officials are instructed to use e-mail, instant messaging, text messaging, or other forms of electronic communication mindful of their responsibilities to avoid public records and open meetings violations. The underlying principle is pretty simple: electronic communication is a valuable, time saving mechanism for quick and incidental communication, but it should not be used to carry on private debate and discussion which belongs at a public meeting subject to public scrutiny.

Social Media

Public officers must only use social media accounts in the name of the elected official, appointed official, or employee. Public officers must not use aliases or, in the alternative, shall account for all accounts, aliases, or fake names used and shall regularly advise the Board of any accounts maintained without their own name.

Section 9 **PROHIBITED ACTS/MISCONDUCT**

The following is a list of criminal restrictions and other prohibited acts placed upon persons serving as Village officers. You can reference this list in the Handbook for Wisconsin Municipal Officers.

1. A municipal officer or employee is prohibited from actually participating in the making of a contract in his/her official capacity if he/she has a direct or indirect pecuniary interest; it can be avoided by having the officer abstain from voting on the contract or taking part in any discussion.

2. A municipal officer may not knowingly accept money or anything of value for furnishing information or performing services pertaining to official duties which is greater or less than is fixed by law.
3. A municipal officer may not knowingly accept personal passes or special privileges for traveling, transportation, or message communication from public utilities.
4. A municipal officer may not resort to bribery by promising appointments or anything of value or using political pressure as a means of securing votes.
5. A trustee may not sell, directly or indirectly, to any intoxicating liquor license holder in the Village, anything used in carrying on the licensee's business.
6. A trustee who is licensed to practice law may not defend persons charged with violation of Village ordinances.
7. A trustee may not, as a member of the Board of Review, fraudulently fix values or omit taxable property from assessment.
8. A municipal officer is criminally liable for knowingly acting in excess of authority or in a manner forbidden by law.
9. A municipal officer acting under color of law may not deprive any U.S. citizen or person of rights, privileges, or immunities guaranteed by the Constitution or laws of the United States.
10. A municipal officer who participates in a meeting held in violation of the Wisconsin Open Meetings Law may be subject to a forfeiture of between \$25 and \$300. The Village cannot reimburse this forfeiture.
11. A trustee may not sell any article, material, product, or merchandise to any Village employee except meals, public services, and articles needed for the health or safety of the employee.

Misconduct in Office

Any Village Trustee who:

- intentionally fails or refuses to perform a known mandatory, nondiscretionary, ministerial duty of his/her office in a timely manner; or
- does an act which is in excess of lawful authority or which is known to be forbidden by law; or
- exercises a discretionary power in a manner inconsistent with the duties of office or employment or the rights of others and with intent to obtain a dishonest advantage for him/herself or another; or
- makes an entry in an account, record book, report or statement, etc., which is in a material respect intentionally falsified; or
- intentionally solicits or accepts for the purpose of any service or duty anything of value which he/she knows is greater or less than is fixed by law is guilty of misconduct while in office. Sec 946.12, Stats.
- Discloses to any person not present in closed session, information obtained in a closed session of the Board, without the specific authority of the Board.

Conflict of Interest

No public officer or employee may use or permit the use of Village vehicles, equipment, materials or property for personal convenience or profit, except when the services are available to the public generally or are provided as Village policy.

No public officer or employee may engage in any business transaction with the Village, or have a financial or other personal interest, direct or indirect, which is incompatible with the proper discharge of his/her official duties or will tend to impair his/her independence or judgement or action in the performance of official duties.

Any public officer or employee who has a substantial financial interest, including employment in any business entity entering into, proposing to enter into or bidding on any transaction with the Village, or as part of his/her official duties will be making an official decision or recommendation significantly affecting a business competitor, client or regular customer, must disclose the interest to the membership of the Village Board to be recorded in the minutes of that body. Upon such disclosure, it is advised that the public officer or employee should abstain from voting on the matter and from participating in the discussion of the matter.

Public officers and employees should not represent private interests before the Village Board or Village agencies. Additionally, no public official or employee shall disclose confidential information concerning the property or government affairs of the Village or use the information to advance his/her financial or other private interests. Gifts and favors should not be accepted when their receipt impairs independence of judgment or action in the performance of official duties.

SECTION 10

ENFORCEMENT OF THIS CODE OF CONDUCT

A. Filing of Complaints

Any person who believes an Elected official, in his/her official capacity, has violated a requirement, prohibition, or guideline set out herein may file a sworn complaint with the Village Clerk identifying (1) the complainant's name, address and contact information; (2) the name and position of the Village official who is the subject of the complaint; (3) the nature of the alleged violation, including the specific provision of the Code allegedly violated, and (4) a statement of facts constituting the alleged violation and the dates on which, or period of time during which, the alleged violation occurred, including any documents and identification of any witnesses supporting the complaint.

The complaint shall include a statement at the end of the complaint stating that the "information contained in the complaint is true and correct, or that the complainant has good reason to believe and does believe that the facts alleged are true and correct and that they constitute a violation of the Code." The complainant shall swear to the facts by oath before a notary public, or

before the Village Clerk. The notary public or Village Clerk shall verify the signature.

A complaint under the Code must be filed no later than one year from the date of discovery of the alleged violation. However, the complainant is encouraged to file the complaint as soon as the information is obtained so that immediate action may be taken by the Board or the appropriate staff member or agency. An unexplained delay in filing a complaint may be considered in determining the sanction to be imposed.

A person who knowingly makes a false, misleading, or unsubstantiated statement in a complaint is subject to criminal prosecution for perjury and possible civil liability. A Village official who seeks to take civil action regarding any such complaint shall do so at his or her expense.

B. Complaint Processing and Procedure

- (1) The Clerk shall forward the complaint to the Village President (unless the Village President is the subject of the complaint; in such instance, it shall be forwarded to the Personnel Chair. By this policy, the Village Board authorizes the Village President and the Personnel Chair to determine the following options (unless one of them is the subject of the complaint; in such instance the alternate shall be the most senior Village Board member by years on the board (hereinafter the "Alternate")):
 - a. The Village President and Personnel Chair (or alternate) shall investigate the complaint and make a recommendation to the Board.
 - b. The Village President and Personnel Chair shall recommend to the Village Board to retain outside counsel to investigate on behalf of the Board.
 - c. The Village President and Personnel Chair shall forward the complaint to the full Board to investigate pursuant to paragraph 2 below.
- (2) Board Investigation of Complaint – In the event they decide the full board needs to investigate, the Village President and Personnel Chair (or alternate) shall forward it to the Board to set a meeting to investigate the allegations within 45 days after filing of the complaint. The Board shall issue a summons signed by the Village Clerk, commanding the individual so complained of to appear before the Board on a day and at a place named in such summons and show cause as to why the individual should not be subject to penalties and sanctions. Such

summons shall be served at least seven days before the time in which such person is commanded to appear, and shall include the complaint and any supporting documentation.

If the person charged appears as required by the summons and denies the complaint; both the complainant and the person charged may produce witnesses, cross-examine witnesses, and be represented by counsel.

If the individual charged does not appear as required by the summons, the Board may subsequently consider such failure to appear in its decision to issue penalties or sanctions.

If the person charged appears as required by the summons and denies the complaint; both the complainant and the person charged may produce witnesses, cross-examine witnesses, and be represented by counsel.

Board Decision – At the conclusion of the evidentiary hearing, the Board, following deliberation in open or executive session, shall prepare a report, including findings of fact, conclusions of law, and a decision as to what action, if any, the Board will take into account with respect to the individual charged. In resolving the complaint, the totality of the circumstances shall be taken into consideration, including the intent of the person accused of the wrongdoing. Such report must be issued within sixty (60) days after the Board adjourns the hearing. If the Board, by motion, concludes that there is a violation of the Code, the Board may impose a sanction or penalty.

- (3) Penalties and Sanctions Policy – It is the intent of the Board to educate and, when necessary, discipline Board members who violate this Code. Discipline shall be progressive, from the least punitive to the most punitive measures, unless the Board believes that the progressive discipline does not provide the appropriate sanction because of the gravity of the offense, or because the Board does not believe the sanction would deter future misconduct.
- (4) Possible Penalties and Sanctions – Possible sanctions may include:
- a. An informal censure by the Board, which would only be made as part of a motion in a public meeting.
 - b. A formal censure by the Board, which would be made by motion in a public meeting and then published in the Village newspaper.
 - c. Mandatory community service. [Wis. Stat. 62.11(3)(e)]
 - d. Attendance at counseling or mediation sessions. [Wis. Stat. 62.11(3)(e)]

- e. Imposition of a monetary fine of up to \$500.00. [Wis. Stat. 62.11(3)(a) & (c)]
- f. Any other sanction available by law.

The imposition of any of these penalties or sanctions will require an affirmative vote of 3/4 of the Village Board, other than an informal or formal censure which shall only require a majority vote of the Board. A violation of the penalties imposed by the Village Board may constitute grounds for removal from office under Wisconsin Statute §17.12(1)(a).

- (5) Notice – The municipal clerk shall give notice of the Board's decision to the person charged.

ELECTED AND APPOINTED OFFICIAL ACKNOWLEDGEMENT FORM

The Code of Conduct for Elected and Appointed Officials describes important information about the Village of Mukwonago. I understand that I should consult the Village President if I have any questions not answered in the Code.

I understand and acknowledge that I have received and read the Code of Conduct. I further understand that it is my responsibility to read and follow the policies contained in this Code of Conduct and any changes made to it.

Official's NAME (printed): _____

Official's SIGNATURE: _____

Date: _____

Village of Mukwonago Electronics Recycling Event April 27, 2024

Date	DP#	Company/Customer Name	Weight/LBS
5/2/2024	WI00245	Village of Mukwonago	5687
5/2/2024	WI00246	Village of Mukwonago	11353

SI No	Item Name	Gross Weight	Tare Weight	Net Weight
1	CRT TV's	609	60	549
2	CRT TV's	583	60	523
3	Mix Electronics	800	80	720
4	Mix Electronics	806	60	746
5	Printers	619	60	559
6	Printers	642	80	562
7	Mix Electronics	795	80	715
8	Flat Panel TV's	754	80	674
9	Flat Panel TV's	793	80	713
10	Flat Panel TV's	647	80	567
11	CRT TV's	574	60	514
12	Printers	329	60	269
13	Computer Towers	603	60	543
14	Computer Towers	553	60	493
15	Computer Towers	596	60	536
16	Flat Panel TV's & Computer Towers	439	60	379
17	CRT TV's	370	60	310
18	CRT TV's	881	30	851
19	Mix Electronics	403	30	373
20	Mix Electronics	543	60	483
21	Flat Panel TV's	304	30	274
22	CRT TV's	447	60	387
23	Mix Electronics	355	60	295
24	Mix Electronics	663	40	623
25	Mix Electronics	416	60	356
26	Flat Panel TV's	770	60	710
27	Flat Panel TV's	625	60	565
28	Flat Panel TV's	590	60	530
29	Flat Panel TV's	478	60	418
30	Flat Panel TV's	856	60	796
31	CRT TV's	677	40	637
32	Projection TV's	410	40	370
TOTAL		18930	1890	17040



Village of Mukwonago

Office of the Water and Sewer Utilities

440 River Crest Court, Mukwonago, Wisconsin 53149

Tel. (262) 363-6416 | Fax: (262)363-0552

MEMORANDUM

DATE: 5-29-24

TO: Committee of the Whole

FROM: Wayne Castle, Utilities Director

RE: Utilities master planning task order

A water and wastewater system master plan are a comprehensive, long-term strategic planning document that outlines the current and future needs, challenges, management, and maintenance throughout the entire Village. Here are several key advantages of having a water and wastewater system master plan:

Improved System Efficiency and Reliability

Operational Efficiency: Identifies inefficiencies and optimizes the operation of the water and wastewater system, identifying and addressing inefficiencies and bottlenecks, and ensuring smooth and reliable performance.

Improved Resource Management

Sustainable Water Supply: Ensures a reliable and sustainable water supply by evaluating current and future water sources and usage patterns.

Demand Forecasting: Helps predict future water demand based on population growth, industrial development, and other factors, allowing for better resource allocation.

Enhanced Infrastructure Planning

Maintenance and Upgrades: Identifies aging infrastructure and prioritizes maintenance, rehabilitation, and replacement projects to prevent system failures.

Capital Improvement Planning: Guides investment in infrastructure projects, ensuring they are strategically aligned with long-term needs and financial resources.

Environmental Protection

Pollution Control: Helps prevent the discharge of untreated or inadequately treated wastewater into the environment, protecting water quality in rivers, lakes, and groundwater.

Regulatory Compliance

Meeting Standards: Ensures compliance with federal, state, and local regulations.

Environmental Protection: Helps ensure compliance with environmental regulations and standards, reducing the risk of legal penalties and promoting ecological sustainability.

Health and Safety Standards: Ensures the systems meets health and safety standards, protecting public health by maintaining water quality and safety, and effectively treating wastewater.

Financial Efficiency

Cost Savings: Identifies cost-effective solutions and optimizes resource allocation, reducing overall operational and capital expenses.

Budget Planning: Facilitates long-term financial planning, helping secure funding and allocate resources more effectively.

Stakeholder Engagement

Transparency and Accountability: Promotes transparency in decision-making and fosters trust by clearly communicating plans and progress to stakeholders.

Operational Improvement

Technology Integration: Facilitates the adoption of new technologies and innovations that can enhance system performance, monitoring, and control.

Data-Driven Decisions: Utilizes data and analytics to make informed decisions, improving overall system management.

Integration of the Water and Wastewater Master Plans

Long-term Planning: Provides a clear strategic vision for the future development and management of the water and wastewater system, aligning short-term actions with long-term goals.

Holistic Approach: Integrates previous water and wastewater studies, regional planning efforts, such as land use, transportation, and environmental plans, promoting a holistic approach to community development and sustainability.

In summary, a water and wastewater system master plan are essential for ensuring the efficient, sustainable, and resilient operation of the systems. It helps utilities strategically manage their resources, plan for future needs, comply with regulatory requirements, protect the environment, and engage with

stakeholders, ultimately contributing to the overall well-being and sustainability of the communities they serve.

Recommendation

The attached master plan task order lays out a phased approach that can be accomplished by the end of 2025. The first phase will be completed by the end of this year. The second phase will be completed by the end of next year. This is a budgeted operational item and does not require borrowing. The remainder of phase two will be budgeted for next year. We ask that Board accept Task Order 2024-03.

Attached Documents

Task Order 2024-03

TASK ORDER

This is Task Order No. 2024-03, consisting of 4 pages.
Village of Mukwonago
Water and Wastewater System Master Plan

Task Order

In accordance with the Agreement Amendment between Village of Mukwonago (Owner) and Ruekert & Mielke, Inc. (Engineer) dated December 21, 2022, Owner and Engineer agree as follows:

1. Specific Project Data

- A. Title: Water and Wastewater System Master Plan
- B. Description: Provide analysis and planning services to develop a master plan for both the water and wastewater systems. Presently, there is no formal system of knowing when utilities and facilities should be updated or replaced for additional capacity, increased efficiency, and age considerations. The Village of Mukwonago needs a systematic and methodical system for identifying when investments in the water and wastewater infrastructure should be made. For example, if a street is to be resurfaced, the Village ought to have a system in place to readily know capacity and condition information of the utilities below so the decision can be made to address them while the pavement is being reconstructed. The master plan will include water, wastewater, and SCADA components. Improvements will be grouped into near-term, medium-term, and long-term categories corresponding to 5, 15, and 25 years respectively. Having a coordinated upgrade approach to the utilities and facilities formulates to better use of rate payer funds.

2. Services of Engineer

Part of this water and wastewater system master plan will be conducting a condition assessment. This study will focus on the larger utilities that comprise of the water system distribution system and wastewater collection systems. For the distribution system, water mains greater than 12-inch will be considered. For wastewater gravity mains, 15-inch and greater will be considered and force mains greater than or equal to 8-inch will be analyzed. Aspects of the condition assessment will include Likelihood of Failure, Consequence of Failure, and Effective Useful life components. Condition assessment will be done for pipelines using the American Waterworks Association standards. Ruekert Mielke, Inc. will work with the Village on specific cases for smaller pipelines where there is institutional knowledge of poor pipe condition. This standard will be applied to the gravity sewers and force mains as well. In addition to, the following existing facilities will be evaluated:

- Water system facilities that will be included are the well sites and their treatment systems, booster stations, the two elevated storage tanks, the one in-ground reservoir at Well No. 4, and valve vaults.
- Wastewater facilities that are included are lift stations and the wastewater treatment facility.

Another part of the master plan is the capacity assessment. The planning year of 2050 will be used. We will use planned and existing land use, typical water demand and flow rate factors, and development trends in the Village, along with existing conditions to project the demands from the water system and the discharge of wastewater to the collection system.

Ruekert & Mielke, Inc. (R/M) will provide planning services for the Village of Mukwonago for this project. We will use the existing population estimates from the Wastewater Treatment Facility Biosolids Study and the Well No. 3 and No. 4 Hydrous Manganese Oxide (HMO) Project. We will also use the Village-wide water system capacity and storage information from Well No. 3 and No. 4 HMO Project already compiled to the greatest extent practical.

R/M is prepared to have several workshop meetings with an ad hoc review committee as part of this project if the Village chooses to do so.

3. Owner's Responsibilities

Provide water quality data and process data. Provide feedback at review meetings.

TASK ORDER

4. Times for Rendering Services

<u>Phase</u>	<u>Completion Date</u>
Final Water and Wastewater System Master Plans	December 31, 2025

5. Payments to Engineer

- A. The services described above and within the level of effort will be performed on hourly basis. Owner shall pay Engineer for estimated services rendered as follows:

<u>Water System Master Plan 2024 Work</u>	<u>Phase</u>	<u>Compensation for Services</u>
General	100	\$14,427
Task 1 - Review Previous Water Studies	101	\$11,096
Task 2 - Service Level Criteria	102	\$3,032
Task 3 - Service Area Planning	103	\$2,737
Task 4 - Capacity Needs Analysis	104	\$6,481
Task 5 - Water System Evaluation	105	\$8,027
Task 6 - Water System Model Update	106	\$20,329
Task 8 - Water Quality Evaluation	108	\$30,550
Task 9 - Distribution System Condition Assessment	109	\$23,084
Task 10 - SCADA System Evaluation	110	\$5,282
Subtotal - Water System Master Plan 2024 Work		\$125,045

<u>Wastewater System Master Plan 2024 Work</u>	<u>Phase</u>	<u>Compensation for Services</u>
General	120	\$9,860
Task 1 - Review Previous Wastewater Studies	121	\$9,403
Task 2 - Analyze Collection System Pipe Condition Assessment	122	\$22,629
Task 5 - Perform Facilities Condition Assessment	125	\$25,974
Task 6 - Evaluate SCADA System	126	\$5,884
Subtotal - Wastewater System Master Plan 2024 Work		\$73,750

<u>Water System Master Plan 2025 Work</u>	<u>Phase</u>	<u>Compensation for Services</u>
General	100	\$8,283
Task 7 - Uni-Directional Flushing Program	107	\$20,848
Task 11 - Evaluation of Service Alternatives	111	\$23,099
Task 12 - Report	112	\$19,535
Subtotal - Water System Master Plan 2025 Work		\$71,765

<u>Wastewater System Master Plan 2025 Work</u>	<u>Phase</u>	<u>Compensation for Services</u>
General	120	\$13,620
Task 3 - Analyze Collection System Gravity and Force Main System Capacity	123	\$57,477
Task 4 - Analyze Collection System Facilities Capacity	124	\$12,390
Task 7 - Report	127	\$18,378
Subtotal - Wastewater System Master Plan 2025 Work		\$101,865

- B. The terms of payment are set forth in the Standard Terms and Conditions.

TASK ORDER

6. Service Suppliers and Consultants

Mulcahy Shaw Water (MSW)– MSW will provide wastewater collection system flow metering equipment. They will download and compile monthly flow readings taken every minute at up to four different flow metering locations.

Water Quality Investigations (Andrew Jacque) – This firm will provide guidance on the water quality assessment in the drink water system.

7. Other Modifications to Standard Terms and Conditions

None.

8. Attachments

Level of Effort breakdown for the analysis and planning services to develop a master plan for both the water and wastewater systems.

9. Documents Incorporated by Reference

Ruekert & Mielke, Inc. / Village of Mukwonago Master Agreement.

TASK ORDER

TASK ORDER NO. 2024-03
WATER AND WASTEWATER SYSTEM MASTER PLAN
Between Village of Mukwonago
and
Ruekert & Mielke, Inc.
Dated May 23, 2024

Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to terms and conditions, (as modified above) set forth in the Master Engineering Agreement between Owner and Engineer, dated December 21, 2022, which are 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 _____, _____.

OWNER:

Village of Mukwonago

Signature: _____

Name: Fred Winchowky

Title: Village President

Date: _____

ENGINEER:

Ruekert & Mielke, Inc.

Signature: _____

Name: Steven C. Wurster, P.E.

Title: Senior Vice President/COO

Date: May 23, 2024

Digitally signed by Steven
C. Wurster
Date: 2024.05.24
08:27:21 -05'00'

DESIGNATED REPRESENTATIVE FOR TASK ORDER

Name: Wayne Castle, AAS

Title: Utilities Director

Address: 440 River Crest Court
Mukwonago, WI 53149

Email: wcastle@villageofmukwonago.gov

Phone: 262-363-6416

Name: Michael E. Michalski

Title: Project Engineer

Address: W233 N2080 Ridgeview Parkway
Waukesha, WI 53188-1020

Email: mmichalski@ruekert-mielke.com

Phone: 262-953-3004

WATER SYSTEM MASTER PLAN WORK BREAKDOWN

TASK DESCRIPTION		Total Task Hours	Cost
Task 1 – Review Previous Water Studies			
1)	Conduct inventory of previous water studies in the last 25 years.	9	\$1,685
2)	Review of 2021 Sewer and Water Capacity Analysis.	3	\$575
3)	Review of TID No. 5 Water Study With Water Tower.	3	\$575
4)	Review of CTH NN elevated storage tank report by KLM Engineering.	3	\$575
5)	Review other reports not identified above.	10	\$1,870
6)	Provide Village digital copies of reports.	8	\$1,144
7)	Write report text summarizing each study.	26	\$4,672
	Reimbursables		
	Subtotals	62	\$11,096
Task 2 – Service Level Criteria			
1)	Meet with Village staff to discuss and establish service level criteria.	3	\$555
2)	Summarize the agreed upon service level criteria in the form of draft study report chapter for review by Village staff.	8	\$1,480
3)	Incorporate and finalize the report chapter based on comments from Village staff.	5	\$947
	Reimbursables		\$50
	Subtotals	16	\$3,032
Task 3 – Service Area Planning			
1)	Collect and review available planning information regarding future community growth and development including the location, type and density of anticipated growth and population projections from Village's Comprehensive Plan and Wisconsin DOA estimates. Use analysis prepared for the Wells 3 and 4 HMO project as a starting point.	3	\$555
2)	Meet with Village staff to discuss and achieve consensus on the projected growth over the planning period.	3	\$555
3)	Prepare a draft chapter on population and community growth for review by Village staff.	6	\$954
4)	Finalize the population and community growth report chapter based on comments from Village staff.	4	\$673
	Reimbursables		
	Subtotals	16	\$2,737
Task 4 - Capacity Needs Analysis			
1)	Review existing historical water demands and characteristics by type (residential, commercial, industrial, public). Summarize this information in the form of tables and graphs to illustrate key characteristics of historical water demands.	4	\$740
2)	Establish unit demands for future water use for different categories of users based upon the best available data (i.e. per capita, per lot, per acre, per service connection, etc.).	3	\$555
3)	Meet with Village staff to discuss the potential impact of both existing and future high volume water customers. Establish a consensus as to the high-volume user forecast methodology.	2	\$370
4)	Prepare a summary of historical non-revenue water, and provide an opinion on acceptable levels of non-revenue water for future planning.	3	\$555
5)	Establish maximum day and peak hour ratios to be used for water demand projections. The maximum day water demand ratio will be established based on a historical analysis of average and maximum water demands. Peak hour demand fluctuations will be established from review of existing SCADA data.	7	\$1,317
6)	Project future water consumption and pumpage to year 2050. These projections will be made based on results of the service area planning under Task 2 and unit demands for future land uses throughout the service area to be provided with water over the planning period.	4	\$762
7)	Establish requirements for fire protection throughout the service area based upon the established service level criteria.	2	\$370
8)	Prepare a draft chapter summarizing the water requirements, and discuss the requirements with Village staff.	7	\$1,139
9)	Finalize the chapter on water requirements based on comments from Village staff.	4	\$673
	Reimbursables		
	Reimbursables (includes flow monitoring equipment rental, setup, coordination and data downloads)	36	\$6,481

WATER SYSTEM MASTER PLAN WORK BREAKDOWN

TASK DESCRIPTION		Total Task Hours	Cost
Task 5 – Water System Evaluation			
1)	Perform a water supply analysis to determine the capacity of the well system to provide current and future water needs.	3	\$555
2)	Evaluate the capacities of the pumping facilities to ensure they have adequate capacities to provide water to customers.	7	\$1,317
3)	Perform a storage analysis to determine the design optimum water storage capacity. Show graphical representation of different types of storage.	11	\$2,079
4)	Analyze operational set points of storage.	3	\$577
5)	Summarize the results of the analysis in a series of tables based upon anticipated development milestones or intervals (i.e. existing, 5-year, 15-year, 25 year) and identifying the needs by pressure zone.	4	\$762
6)	Summarize the results of the water supply and storage evaluation in a draft report chapter for review by Village staff.	12	\$2,064
7)	Finalize the water supply and storage evaluation chapter based on comments from Village staff.	4	\$673
	Reimbursables		
	Subtotals	44	\$8,027
Task 6 - Water System Model Update			
1)	Add newer water mains, valves, hydrants, and tanks not in the existing model based on existing GIS information.	16	\$2,960
2)	Assign elevations to new water mains using County topography data.	4	\$740
3)	Run the model to verify operation and to compare the model output to expected results.	2	\$370
4)	Allocate water demands in the model using customer consumption residential, commercial and industrial billing meter data.	14	\$2,494
5)	Create a map of proposed locations for flow and pressure tests. Create flow and pressure test forms to be completed during testing.	8	\$1,448
6)	Set up of flow testing equipment which includes programming of pressure recorders.	2	\$370
7)	Conduct field flow testing and pressure testing at 20 locations with assistance of two Village staff members.	16	\$2,960
8)	Calibrate the model to static system conditions by a comparison of the field flow and pressure testing results.	28	\$5,180
9)	Update the average day demand, maximum day demand, and peak hour demand operating scenarios in the model to generate system pressures and available fire flows under these conditions.	8	\$1,480
10)	Meet with the Village to discuss model results.	2	\$370
11)	Write model summary and incorporate as chapter in report.	11	\$1,857
	Reimbursables		\$100
	Subtotals	111	\$20,329
Task 7 - Uni-Directional Flushing Program			
1)	Meet with the Utility to determine UDF program parameters including: system operating parameters during the flushing program, minimum allowable system pressures, flushing velocity requirements, critical facilities, etc. Coordinate with Village on existing flushing methodology.	2	\$370
2)	Prepare a summary of the unidirectional flushing program parameters.	4	\$740
3)	Using the hydraulic model, develop flushing events for the entire water distribution system.	70	\$12,950
4)	Prepare flushing event reports generated using the hydraulic modeling software.	12	\$2,220
5)	Prepare a system map showing locations of individual flushing locations, and location of valves and hydrants to be operated during the flushing program.	8	\$1,480
6)	Meet with the Village in person to discuss the flushing program and system maps.	2	\$370
7)	Provide hard copies and electronic information of the program parameters summary, flushing events, and system maps.	14	\$2,056
8)	Write report text.	4	\$562
	Reimbursables		\$100
	Subtotals	116	\$20,848

WATER SYSTEM MASTER PLAN WORK BREAKDOWN

TASK DESCRIPTION		Total Task Hours	Cost
Task 8 – Water Quality Evaluation			
1)	Create sampling program in distribution system to analyze water quality.	3	\$577
2)	Coordinate with Northern Lakes for sample frequency, test parameters, containers, preservatives, and transportation. Village staff to take samples.	3	\$555
3)	Interpret test results.	7	\$1,317
4)	Analyze use of Clearatas as a sequestering agent. Identify costs of long term use.	7	\$1,317
5)	Coordinate with Andrew Jacque to identify ways to improve water quality throughout distribution system.	6	\$1,110
6)	Determine overall plan for PFAS at Well No. 7. Have coordination meeting with Water Surplus or Water Well Solutions.	10	\$1,850
7)	Write report text.	8	\$1,324
	Reimbursables (includes coordination with Water Quality Investigations, Andy Jacque)		\$22,500
	Subtotals	44	\$30,550
Task 9 – Distribution System Condition Assessment			
1)	Establish Level of Service goal with Village that will serve as a baseline to assess pipe breaks over time. (e.g. not to exceed 15 leaks and breaks per 100 miles).	5	\$947
2)	Perform statistical analysis to determine relevant factors that can be used to define groups of pipes that degrade in a similar fashion.	9	\$1,687
3)	Perform Likelihood of Failure scoring using a weighted criteria approach.	9	\$1,687
4)	Perform Consequence of Failure scoring analysis using a weighted criteria approach.	9	\$1,687
5)	Determine pipeline risk score based on Likelihood of Failure and Consequence of Failure scoring.	13	\$2,427
6)	Develop color-coded risk scoring map.	28	\$4,978
7)	Develop a performance decay curve showing break rate based on piping age.	14	\$2,612
8)	Determine Effective Useful Life of piping using decay curve and considering Consequence of Failure Scoring and established Level of Service Goal.	14	\$2,612
9)	Meet With the Village to Discuss System Condition Assessment Results.	9	\$1,665
10)	Write report text.	16	\$2,782
	Reimbursables		
	Subtotals	126	\$23,084
Task 10 – SCADA System Evaluation			
1)	Develop an implementation plan, budget and schedule for the following SCADA upgrades: replace SCADA computer, expand SCADA application to utilize multiple/large-screen monitors, upgrade InTouch HMI graphics to Archestra Industrial Graphics format.	6	\$1,308
2)	Evaluate SCADA alarm dialer system. Consider alternatives to the POTS line for SCADA Phone. Consider advantages, disadvantages and costs of each alternative. Prepare a recommendation, implementation plan, budget and schedule for the Recommended Plan.	5	\$1,090
3)	Evaluate SCADA reporting system options. Consider advantages, disadvantages and costs of each alternative. Prepare a recommendation, implementation plan, budget and schedule for the Recommended Plan.	5	\$1,090
4)	Write report text.	8	\$1,744
	Reimbursables		\$50
	Subtotals	24	\$5,282
Task 11 – Evaluation of Service Alternatives			
1)	Evaluate alternatives for future service utilizing the computer model and provide recommendations for improvements required to serve the existing conditions and future developments based upon the service level criteria established in Task 1.	14	\$2,590
2)	Identify the need for future pressure zones and establish pressure zone boundaries that ensure that future service areas can be adequately supplied with water.	3	\$555
3)	Identify the need for booster pumping stations or new wells to ensure that water can be transported from water supply sources to adequately meet the needs of current and future customers.	7	\$1,317
4)	Prepare a graphical summary of projected demands and water supply needs based upon anticipated community growth to illustrate the approximate timing of future supply sources over an anticipated planning year of 2050.	15	\$2,669

WATER SYSTEM MASTER PLAN WORK BREAKDOWN

TASK DESCRIPTION		Total Task Hours	Cost
5)	Evaluate the storage needs of the Village. Identify the capacity, type, and general location of additional water storage facilities while maintaining established service level criteria.	12	\$2,264
6)	Identify areas of undersized or constrained infrastructure in the existing distribution system. Identify improvements to the water distribution system to ensure that adequate water can be conducted to customers at required flows and pressures.	6	\$1,132
7)	Utilize the hydraulic computer model to demonstrate the effectiveness of the improvements.	16	\$2,960
8)	Prepare an illustration of the future water system improvement plan that defines the recommended location and sizing of future water transmission mains, supply, and storage facilities.	11	\$1,907
9)	Prioritize recommended improvements based on an assessment of relative need, community benefits, and the probable timing of future community growth. Group recommended improvements into short, intermediate, and long-term categories within a capital improvements plan.	12	\$2,264
10)	Prepare opinions of probable construction costs for the recommended improvements.	7	\$1,317
11)	Prepare a future facility maintenance plan and schedule for wells, elevated storage facilities, and the in-ground reservoir.	3	\$555
12)	Prepare a draft chapter summarizing the recommended water system improvements.	11	\$1,847
13)	Conduct a workshop with Village staff to present the proposed water system improvements, and solicit their input on the recommended improvements.	2	\$370
14)	Finalize the report chapter based on comments from Village staff.	8	\$1,302
	Reimbursables		\$50
	Subtotals	127	\$23,099
Task 12 – Report			
1)	Prepare Executive Summary and Introduction. Incorporate previous sectional report texts.	10	\$1,316
2)	Prepare historical description of Village water system and major infrastructure components.	8	\$1,124
3)	Prepare description of existing production, storage, demand characteristics, and deficiencies.	9	\$1,309
4)	Prepare future demand projections and needs including regulatory requirements.	9	\$1,309
5)	Prepare recommendations for asset management, capital improvements, and costs over time.	15	\$1,885
6)	Prepare tables and figures.	14	\$1,878
7)	Prepare draft report of findings and recommendations.	13	\$1,693
8)	Meet with Village and review draft report.	9	\$1,496
9)	Incorporate Village changes and comments to draft report.	18	\$2,262
10)	Finalize report.	14	\$1,858
11)	Create GIS story map of recommended plan.	20	\$3,330
	Reimbursables		\$75
	Subtotals	139	\$19,535
General			
1)	Initial project coordination.	14	\$2,470
2)	Project administration for QA review, schedule, budget, and client coordination.	50	\$8,650
3)	Participate in ad-hoc committee meeting workshops at 25%, 50%, 75% and 95% of completion.	40	\$7,000
4)	Present Findings at Village Public Works Committee meeting.	16	\$2,960
5)	Present Findings at Village Board meeting.	8	\$1,480
	Reimbursables		\$150
	Subtotals	128	\$22,710
ESTIMATED TOTAL HOURS			
TOTAL COST		989	\$196,810

WASTEWATER SYSTEM MASTER PLAN WORK BREAKDOWN

TASK DESCRIPTION		Total Task Hours	Cost
Task 1 – Review Previous Wastewater Studies			
1)	Conduct inventory of previous wastewater studies in last 25 years.	10	\$1,627
2)	Review of Atkinson Street Lift Station Tributary Area Study.	3	\$521
3)	Review of 2021 Sewer and Water Capacity Analysis.	3	\$521
4)	Review of 2007 Wastewater Treatment Facilities Plan.	7	\$1,153
5)	Review of 2024 WWTF Biosolids study conclusions.	3	\$521
6)	Review other reports not identified above.	9	\$1,469
7)	Provide Village digital copies of reports.	9	\$1,221
8)	Write report text summarizing each study.	14	\$2,370
	Reimbursables		\$0
	Subtotals	58	\$9,403
Task 2 - Analyze Collection System Pipe Condition Assessment			
1)	Establish Level of Service goal with Village that will serve as a baseline to assess pipe breaks over time. (e.g. Not to exceed 15 leaks and breaks per 100 miles).	5	\$947
2)	Perform statistical analysis to determine relevant factors that can be used to define groups of pipes that degrade in a similar fashion.	9	\$1,687
3)	Perform Likelihood of Failure scoring using a weighted criteria approach.	9	\$1,687
4)	Perform Consequence of Failure scoring analysis using a weighted criteria approach.	9	\$1,687
5)	Determine pipeline risk score based on Likelihood of Failure and Consequence of Failure scoring.	13	\$2,427
6)	Develop color-coded risk scoring map.	28	\$4,978
7)	Develop a performance decay curve showing break rate based on piping age.	14	\$2,612
8)	Determine Effective Useful Life of piping using decay curve and considering Consequence of Failure Scoring and established Level of Service Goal.	14	\$2,612
9)	Meet with the Village to discuss system condition assessment results.	6	\$1,110
10)	Write report text.	16	\$2,782
	Reimbursables		\$100
	Subtotals	123	\$22,629
Task 3 - Analyze Collection System Gravity and Force Main System Capacity			
1)	Write flow metering program. Identify sewersheds. Coordinate with Village and Mulcahy Shaw to implement program. Assume four flow meters will be in place for 4-months.	9	\$1,563
2)	Compile monthly flow metered data as it is downloaded by Mulcahy Shaw. Assume four locations for a four-month monitoring period.	23	\$3,775
3)	Review Record Drawings of gravity mains 18-inch and larger for actual capacity based on Manning's equation.	26	\$4,390
4)	Review Year 2050 land use in Village and collection system area.	21	\$3,560
5)	Determine theoretical flow rates in collection system based on land use, development and flow factors. Categorize flow rates in 5, 15 and 25 year increments.	19	\$3,190
6)	Review historical flow rates to lift stations on peak day events such as September 11th and 12th, 2022. Retrieve SCADA pumps runtime records.	45	\$8,845
7)	Compare peak flow rates in collection system from flow metering events to theoretical capacity.	21	\$3,600
8)	Compare force main lift station peak flow rate at firm capacity to theoretical force main capacity based on a velocity of 6 feet per second.	6	\$1,042
9)	Write report text.	32	\$5,267
	Reimbursables (includes flow monitoring equipment rental, setup, coordination and data downloads)		\$22,245
	Subtotals	202	\$57,477
Task 4 - Analyze Collection System Facilities Capacity			
1)	Identify firm capacity at each lift station based on theoretical value and wet well draw down analysis.	17	\$2,780
2)	Identify peak flow rate to each lift station based on September 11 and 12, 2022 rain event.	5	\$884

WASTEWATER SYSTEM MASTER PLAN WORK BREAKDOWN

TASK DESCRIPTION		Total Task Hours	Cost
4)	Compare lift station firm capacity with peak flow rates from September 11 and 12, 2022. Identify excess capacities and deficiencies.	8	\$1,358
5)	Perform capacity assessment at WWTF for flows and pollutant loadings. Provide assessment for overall WWTF and unit processes.	26	\$4,390
6)	Write report text.	18	\$2,828
	Reimbursables		\$150
	Subtotals	74	\$12,390
Task 5 - Perform Facilities Condition Assessment			
1)	Tour Lift Stations for Condition Assessment. Analyze Electrical, SCADA/Controls, Mechanical, Structural and Architectural Components.	53	\$10,037
2)	Tour WWTF for Condition Assessment. Analyze Electrical, SCADA/Controls, Mechanical, Structural and Architectural Components.	53	\$10,037
3)	Compile data and write report text.	32	\$5,680
	Reimbursables		\$220
	Subtotals	138	\$25,974
Task 6 - Evaluate SCADA System			
1)	Develop an Implementation Plan, Budget and Schedule For the Following SCADA Upgrades: Replace SCADA Computer, Expand SCADA Application to Utilize Multiple/Large-Screen Monitors, Upgrade InTouch HMI Graphics to Archestra Industrial Graphics Format, Reconfigure Wastewater Plant PLC Communication to Utilize Peer to Peer Polling Method Instead of Master Polling Method, Upgrade All In-Plant PLC's to Use Allen Bradley Compact Logix Processors and I/O.	6	\$1,308
2)	Evaluate SCADA Alarm Dialer System. Consider Alternatives to the POTS line for SCADA Phone. Consider Advantages, Disadvantages and Costs of Each Alternative. Prepare a Recommendation, Implementation Plan, Budget and Schedule for the Recommended Plan.	5	\$1,090
3)	Evaluate SCADA Reporting System Options. Consider Advantages, Disadvantages and Costs of Each Alternative. Prepare a Recommendation, Implementation Plan, Budget and Schedule for the Recommended Plan.	5	\$1,090
4)	Write report text.	12	\$2,346
	Reimbursables		\$50
	Subtotals	28	\$5,884
Task 7 - Report			
1)	Prepare Executive Summary and Introduction. Incorporate previous sectional report texts.	13	\$2,071
2)	Prepare tables and figures.	22	\$3,416
3)	Prepare draft report of findings and recommendations. Categorize improvements needed in 5, 15 and 25 year increments.	36	\$5,816
4)	Review draft report with Village.	8	\$1,480
5)	Incorporate Village changes and comments to draft report.	8	\$1,234
6)	Finalize report.	7	\$1,083
7)	Create GIS story map of recommended plan.	19	\$3,203
	Reimbursables		\$75
	Subtotals	113	\$18,378
General			
1)	Initial project coordination.	18	\$3,370
2)	Project administration for QA review, schedule, budget, and client coordination.	38	\$6,590
3)	Participate in ad-hoc committee meeting workshops at 25%, 50%, 75% and 95% of completion.	56	\$10,360
4)	Present findings at Village Public Works Committee meeting.	8	\$1,480
5)	Present findings at Village Board meeting.	8	\$1,480
	Reimbursables		\$200
	Subtotals	128	\$23,480
ESTIMATED TOTAL HOURS			
TOTAL COST		864	\$175,615



Agenda Item Cover Report

Date: 5-29-24	Committee/Board: Public Works
Submitted by: Wayne Castle	Department: Wastewater
Date of Committee Action: 6-5-24	Date of Village Board Action: 6-19-24

Subject:

2023 Compliance Maintenance Annual Report (CMAR) Resolution

Executive Summary:

The CMAR is the annual wastewater operations report submitted to the Department of Natural Resources (DNR). It is a report that rates different categories of the treatment plant and collection system and puts it all into a grading system. This grade shows the performance of your system and any deficiencies. A poor grade can ultimately lead to action taken by the DNR to force a utility to upgrade its system.

The Utility is in good shape structurally and financially. Currently, an issue of concern is the handling of bio-solids. This was also noted last year. New phosphorous limits have forced us to change phosphorous treatment chemicals and increase dosages. This has caused an increased solids production over the last several years by nearly 100%. There is a proposed bio-solids project in the capital plan.

Fiscal Impact:

\$0.00

Executive Recommendation/Action:

Recommend to Village Board to approve CMAR resolution.

☒ **Attachments Included**

- **2023 CMAR**

**VILLAGE OF MUKWONAGO
WAUKESHA AND WALWORTH COUNTIES**

RESOLUTION NO. 2024-34

**A RESOLUTION CONFIRMING APPROVAL AND SUBMITTAL OF THE WISCONSIN
DEPARTMENT OF NATURAL RESOURCES NR208-2023 COMPLIANCE MAINTENANCE
ANNUAL REPORT**

WHEREAS, the Village of Mukwonago operates a wastewater treatment facility as a sewer utility, and

WHEREAS, Chapter NR208 of the Wisconsin Administrative Code requires that each owner or municipality file a Compliance Maintenance Annual report with the Department of Natural Resources.

NOW, THEREFORE, BE IT RESOLVED, that the Village of Mukwonago Board of Trustees, as owner of such wastewater treatment facility, that it has reviewed the Compliance Maintenance Report herewith attached and approves of the same at the June 19, 2024 Village Board meeting; and

BE IT FURTHER RESOLVED, that the Village Board of Trustees of the Village of Mukwonago finds no corrective activities are presently needed to maintain such a facility within the terms of its WPDES permit.

Adopted and approved this 19th day of June 2024.

APPROVED:

Fred H. Winchowky, Village President

ATTESTATION:

Diana Dykstra, MMC
Village Clerk-Treasurer

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Influent Flow and Loading

1. Monthly Average Flows and BOD Loadings

1.1 Verify the following monthly flows and BOD loadings to your facility.

Influent No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average BOD Concentration mg/L	x	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	0.8877	x	271	x	8.34	=	2,006
February	1.0961	x	230	x	8.34	=	2,104
March	1.2594	x	181	x	8.34	=	1,896
April	1.1410	x	251	x	8.34	=	2,385
May	0.9503	x	314	x	8.34	=	2,486
June	0.8553	x	313	x	8.34	=	2,232
July	0.8277	x	320	x	8.34	=	2,206
August	0.8461	x	332	x	8.34	=	2,341
September	0.8233	x	307	x	8.34	=	2,107
October	0.8648	x	306	x	8.34	=	2,204
November	0.8440	x	305	x	8.34	=	2,146
December	0.8674	x	289	x	8.34	=	2,090

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	1.5	x	90	=	1.35
		x	100	=	1.5
Design BOD, lbs/day	2502	x	90	=	2251.8
		x	100	=	2502

2.2 Verify the number of times the flow and BOD exceeded 90% or 100% of design, points earned, and score:

	Months of Influent	Number of times flow was greater than 90% of	Number of times flow was greater than 100% of	Number of times BOD was greater than 90% of design	Number of times BOD was greater than 100% of design
January	1	0	0	0	0
February	1	0	0	0	0
March	1	0	0	0	0
April	1	0	0	1	0
May	1	0	0	1	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	1	0
September	1	0	0	0	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	0	0
Points per each		2	1	3	2
Exceedances		0	0	3	0
Points		0	0	9	0
Total Number of Points					9

9

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

3. Flow Meter

3.1 Was the influent flow meter calibrated in the last year?

- ☒ Yes Enter last calibration date (MM/DD/YYYY)

2023-09-13

☐ No

If No, please explain:

N/A

4. Sewer Use Ordinance

4.1 Did your community have a sewer use ordinance that limited or prohibited the discharge of excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances to the sewer from industries, commercial users, hauled waste, or residences?

☒ Yes

☐ No

If No, please explain:

N/A

4.2 Was it necessary to enforce the ordinance?

☐ Yes

☒ No

If Yes, please explain:

N/A

5. Septage Receiving

5.1 Did you have requests to receive septage at your facility?

Septic Tanks

Holding Tanks

Grease Traps

☒ Yes

☒ Yes

☒ Yes

☐ No

☐ No

☐ No

5.2 Did you receive septage at your facility? If yes, indicate volume in gallons.

Septic Tanks

☒ Yes

4,489,458

gallons

☐ No

Holding Tanks

☒ Yes

11,969,798

gallons

☐ No

Grease Traps

☐ Yes

0

gallons

☒ No

5.2.1 If yes to any of the above, please explain if plant performance is affected when receiving any of these wastes.

We have experienced alot of issues with the solids handling aspects of the plant due to the large level of solids introduced by the septage taken in. We are working through it and meeting limits but is a task to definitely deal with. Everyone needs to be on board and understand the importance of the operations of the drying beds and stay with to not waste a moment of drying time, piling or pumping of sludge.

6. Pretreatment

6.1 Did your facility experience operational problems, permit violations, biosolids quality concerns, or hazardous situations in the sewer system or treatment plant that were attributable to commercial or industrial discharges in the last year?

☐ Yes

☒ No

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

If yes, describe the situation and your community's response. 6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.? ☐ Yes ☒ No If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.	
--	--

Total Points Generated	9
Score (100 - Total Points Generated)	91
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

1.1 Verify the following monthly average effluent values, exceedances, and points for BOD or CBOD

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	25	22.5	4	1	0	0
February	25	22.5	4	1	0	0
March	25	22.5	4	1	0	0
April	25	22.5	6	1	0	0
May	25	22.5	3	1	0	0
June	25	22.5	2	1	0	0
July	25	22.5	1	1	0	0
August	25	22.5	3	1	0	0
September	25	22.5	1	1	0	0
October	25	22.5	3	1	0	0
November	25	22.5	2	1	0	0
December	25	22.5	3	1	0	0

* Equals limit if limit is ≤ 10

Months of discharge/yr	12		
Points per each exceedance with 12 months of discharge		7	3
Exceedances		0	0
Points		0	0
Total number of points			0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

N/A

2. Flow Meter Calibration

2.1 Was the effluent flow meter calibrated in the last year?

☐ Yes Enter last calibration date (MM/DD/YYYY)

☒ No

If No, please explain:

We do not have a effluent flow meter. It is assumed that what comes in is the same as what goes out.

3. Treatment Problems

3.1 What problems, if any, were experienced over the last year that threatened treatment?

None

4. Other Monitoring and Limits

4.1 At any time in the past year was there an exceedance of a permit limit for any other pollutants such as chlorides, pH, residual chlorine, fecal coliform, or metals?

☐ Yes

0

● No If Yes, please explain: N/A
4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test? ○ Yes ● No If Yes, please explain: N/A
4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity? ○ Yes ○ No ● N/A Please explain unless not applicable: N/A

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

1.1 Verify the following monthly average effluent values, exceedances, and points for TSS:

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	8	1	0	0
February	30	27	10	1	0	0
March	30	27	11	1	0	0
April	30	27	16	1	0	0
May	30	27	9	1	0	0
June	30	27	10	1	0	0
July	30	27	8	1	0	0
August	30	27	18	1	0	0
September	30	27	13	1	0	0
October	30	27	12	1	0	0
November	30	27	12	1	0	0
December	30	27	11	1	0	0

* Equals limit if limit is ≤ 10

Months of Discharge/yr	12		
Points per each exceedance with 12 months of discharge:		7	3
Exceedances		0	0
Points		0	0
Total Number of Points		0	

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

N/A

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 **2023**

Effluent Quality and Plant Performance (Ammonia - NH3)

1. Effluent Ammonia Results

1.1 Verify the following monthly and weekly average effluent values, exceedances and points for ammonia

Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceed ance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceed ance
January	20	20	1.633	0	2.285	.988	.578	2.763	0
February	20	20	2.584	0	1.868	1.415	2.923	4.133	0
March	20	20	2.187	0	1.427	.978	3.008	3.305	0
April	20	20	6.344	0	4.153	1.568	7.575	12.083	0
May									0
June									0
July									0
August									0
September									0
October									0
November	20	20	1.512	0	1.18	1.423	1.63	1.97	0
December	20	20	1.037	0	.958	1.183	.8	1.187	0
Points per each exceedance of Monthly average:									10
Exceedances, Monthly:									0
Points:									0
Points per each exceedance of weekly average (when there is no monthly average):									2.5
Exceedances, Weekly:									0
Points:									0
Total Number of Points									0

NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to determine exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to determine exceedances and generate points.

1.2 If any violations occurred, what action was taken to regain compliance?

N/A

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 **2023**

Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

1.1 Verify the following monthly average effluent values, exceedances, and points for Phosphorus

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1	0.336	1	0
February	1	0.440	1	0
March	1	0.492	1	0
April	1	0.527	1	0
May	1	0.428	1	0
June	1	0.461	1	0
July	1	0.305	1	0
August	1	0.662	1	0
September	1	0.574	1	0
October	1	0.469	1	0
November	1	0.394	1	0
December	1	0.365	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				0
Total Number of Points				0

0

NOTE: For systems that discharge intermittently to waters of the state, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

N/A

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Biosolids Quality and Management

1. Biosolids Use/Disposal

1.1 How did you use or dispose of your biosolids? (Check all that apply)

- ☒ Land applied under your permit
- ☐ Publicly Distributed Exceptional Quality Biosolids
- ☒ Hauled to another permitted facility
- ☐ Landfilled
- ☐ Incinerated
- ☐ Other

NOTE: If you did not remove biosolids from your system, please describe your system type such as lagoons, reed beds, recirculating sand filters, etc.

1.1.1 If you checked Other, please describe:

N/A

2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

236.1 acres

2.1.2 How many acres did you use?

61.0 acres

2.2 If you did not have enough acres for your land application needs, what action was taken?

N/A

2.3 Did you overapply nitrogen on any of your approved land application sites you used last year?

o Yes (30 points)

● No

2.4 Have all the sites you used last year for land application been soil tested in the previous 4 years?

● Yes

o No (10 points)

o N/A

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

3.1 For each outfall tested, verify the biosolids metal quality values for your facility during the last calendar year.

Outfall No. 003 - Cake Sludge

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75	6.5													0	0
Cadmium		39	85	.96													0	0
Copper		1500	4300	540													0	0
Lead		300	840	17													0	0
Mercury		17	57	<.47													0	0
Molybdenum	60		75	13												0		0
Nickel	336		420	15												0		0
Selenium	80		100	<8.6												0		0
Zinc		2800	7500	880													0	0

3.1.1 Number of times any of the metals exceeded the high quality limits OR 80% of the limit for molybdenum, nickel, or selenium = 0

Exceedence Points

● 0 (0 Points)

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 **2023**

○ 1-2 (10 Points) ○ > 2 (15 Points) 3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box) ○ Yes ○ No (10 points) ● N/A - Did not exceed limits or no HQ limit applies (0 points) ○ N/A - Did not land apply biosolids until limit was met (0 points) 3.1.3 Number of times any of the metals exceeded the ceiling limits = 0 Exceedence Points ● 0 (0 Points) ○ 1 (10 Points) ○ > 1 (15 Points) 3.1.4 Were biosolids land applied which exceeded the ceiling limit? ○ Yes (20 Points) ● No (0 Points) 3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken? Has the source of the metals been identified? N/A	0																				
4. Pathogen Control (per outfall): 4.1 Verify the following information. If any information is incorrect, use the Report Issue button under the Options header in the left-side menu. <table border="1"><tr><td>Outfall Number:</td><td>003</td></tr><tr><td>Biosolids Class:</td><td>B</td></tr><tr><td>Bacteria Type and Limit:</td><td>Fecal Coliform</td></tr><tr><td>Sample Dates:</td><td>01/01/2023 - 12/31/2023</td></tr><tr><td>Density:</td><td>53,000</td></tr><tr><td>Sample Concentration Amount:</td><td>CFU/G TS</td></tr><tr><td>Requirement Met:</td><td>Yes</td></tr><tr><td>Land Applied:</td><td>Yes</td></tr><tr><td>Process:</td><td>Anaerobic Digestion</td></tr><tr><td>Process Description:</td><td>Mesophylic Digestion</td></tr></table> 4.2 If exceeded Class B limit or did not meet the process criteria at the time of land application. 4.2.1 Was the limit exceeded or the process criteria not met at the time of land application? ○ Yes (40 Points) ● No If yes, what action was taken? N/A	Outfall Number:	003	Biosolids Class:	B	Bacteria Type and Limit:	Fecal Coliform	Sample Dates:	01/01/2023 - 12/31/2023	Density:	53,000	Sample Concentration Amount:	CFU/G TS	Requirement Met:	Yes	Land Applied:	Yes	Process:	Anaerobic Digestion	Process Description:	Mesophylic Digestion	0
Outfall Number:	003																				
Biosolids Class:	B																				
Bacteria Type and Limit:	Fecal Coliform																				
Sample Dates:	01/01/2023 - 12/31/2023																				
Density:	53,000																				
Sample Concentration Amount:	CFU/G TS																				
Requirement Met:	Yes																				
Land Applied:	Yes																				
Process:	Anaerobic Digestion																				
Process Description:	Mesophylic Digestion																				
5. Vector Attraction Reduction (per outfall): 5.1 Verify the following information. If any of the information is incorrect, use the Report Issue button under the Options header in the left-side menu.																					

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Outfall Number:	003	0
Method Date:	12/31/2023	
Option Used To Satisfy Requirement:	Incorporation when land apply	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):		
Results (if applicable):		
5.2 Was the limit exceeded or the process criteria not met at the time of land application? ○ Yes (40 Points) ● No If yes, what action was taken? N/A		
6. Biosolids Storage 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site? ● >= 180 days (0 Points) ○ 150 - 179 days (10 Points) ○ 120 - 149 days (20 Points) ○ 90 - 119 days (30 Points) ○ < 90 days (40 Points) ○ N/A (0 Points) 6.2 If you checked N/A above, explain why. N/A		
7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management: N/A		

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing 1.1 Was your wastewater treatment plant adequately staffed last year? ● Yes ○ No If No, please explain: Could use more help/staff for: 1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping? ● Yes ○ No If No, please explain:	
2. Preventative Maintenance 2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items? ● Yes (Continue with question 2) ☐☐ ○ No (40 points)☐☐ If No, please explain, then go to question 3: 2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment? ● Yes ○ No (10 points) 2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly? ● Yes ○ Paper file system ○ Computer system ● Both paper and computer system ○ No (10 points)	0
3. O&M Manual 3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed? ● Yes ○ No	
4. Overall Maintenance /Repairs 4.1 Rate the overall maintenance of your wastewater plant. ○ Excellent ● Very good ○ Good ○ Fair ○ Poor Describe your rating:	

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 **2023**

Required maintenance was routinely done throughout the year. In doing so we had very few unexpected breakdowns of equipment.	
--	--

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

Operator Certification and Education

1. Operator-In-Charge

1.1 Did you have a designated operator-in-charge during the report year?

- Yes (0 points)
- No (20 points)

Name:

WAYNE A CASTLE

Certification No:

34504

0

2. Certification Requirements

2.1 In accordance with Chapter NR 114.56 and 114.57, Wisconsin Administrative Code, what level and subclass(es) were required for the operator-in-charge (OIC) to operate the wastewater treatment plant and what level and subclass(es) were held by the operator-in-charge?

Sub Class	SubClass Description	WWTP	OIC		
		Advanced	OIT	Basic	Advanced
A1	Suspended Growth Processes	X			X
A2	Attached Growth Processes		X		
A3	Recirculating Media Filters		X		
A4	Ponds, Lagoons and Natural				X
A5	Anaerobic Treatment Of Liquid		X		
B	Solids Separation	X			X
C	Biological Solids/Sludges	X			X
P	Total Phosphorus	X			X
N	Total Nitrogen		X		
D	Disinfection	X			X
L	Laboratory	X			X
U	Unique Treatment Systems				
SS	Sanitary Sewage Collection	X	NA	X	NA

0

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS is required 5 years after permit reissuance.)

- Yes (0 points)
- No (20 points)

2.3 For wastewater treatment facilities with a registered or certified laboratory, is at least one operator that works in the laboratory certified at the basic level in the laboratory (L) subclass?

- Yes
- No
- N/A – Wastewater treatment facility does not have a registered or certified laboratory

2.4 For wastewater treatment facilities that own and operate a sanitary sewage collection system, has at least one operator been designated the OIC for sanitary sewage collection system and certified at the basic level in the sanitary sewage collection system (SS) subclass?

- Yes
- No
- N/A – Owner of the Wastewater treatment facility does not own and operate a sanitary sewage collection system

3. Succession Planning

3.1 In the event of the loss of your designated operator-in-charge, did you have a contingency plan to ensure the continued proper operation and maintenance of the plant that includes one or more of the following options (check all that apply)?

- ☒ One or more additional certified operators on staff

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

☐ An arrangement with another certified operator ☐ An arrangement with another community with a certified operator ☐ An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year ☐ A consultant to serve as your certified operator ☐ None of the above (20 points) If "None of the above" is selected, please explain:	0
4. Continuing Education Credits 4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates? OIT and Basic Certification: ☐ Averaging 6 or more CECs per year. ☐ Averaging less than 6 CECs per year. Advanced Certification: ☒ Averaging 8 or more CECs per year. ☐ Averaging less than 8 CECs per year.	

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

Financial Management

1. Provider of Financial Information		
Name:	Diana Doherty/Wayne Castle	
Telephone:	262-363-6416	(XXX) XXX-XXXX
E-Mail Address (optional):	wcastle@villageofmukwonago.gov	
2. Treatment Works Operating Revenues		
2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?		
● Yes (0 points) ☐		
○ No (40 points)		
If No, please explain:		
N/A		
2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?		
Year: 2022		0
● 0-2 years ago (0 points) ☐		
○ 3 or more years ago (20 points) ☐		
○ N/A (private facility)		
2.3 Did you have a special account (e.g., CWFPP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?		
● Yes (0 points)		
○ No (40 points)		
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]		
3. Equipment Replacement Funds		
3.1 When was the Equipment Replacement Fund last reviewed and/or revised?		
Year: 2022		
● 1-2 years ago (0 points) ☐		
○ 3 or more years ago (20 points) ☐		
○ N/A		
If N/A, please explain:		
N/A		
3.2 Equipment Replacement Fund Activity		
3.2.1 Ending Balance Reported on Last Year's CMAR	\$	736,750.32
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	\$	0.00
3.2.3 Adjusted January 1st Beginning Balance	\$	736,750.32
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	0.00

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)

- \$ 0.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 736,750.32

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

N/A

3.3 What amount should be in your Replacement Fund? \$ 728,876.34

0

Please note: If you had a CWFPP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

● Yes

○ No

If No, please explain.

N/A

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

● Yes - If Yes, please provide major project information, if not already listed below. ☐ ☐

○ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Facility planning for Phosphorus treatment limit. This is ongoing and pursuing adaptive management practices.	\$2,000,000	2020
2	With current and projected growth of the Village I would not be surprised to see the facility in the process of facility planning in the next 7-10 years.	\$30,000,000	2033
3	Aeration Basins were both drained, cleaned and inspected in May 2021, The IFAS system will be replaced, aerators replaced new automatic gates installed all metal parts of structured recoated and any needed concrete repairs will all be made in 2022. Cost analysis has not yet been determined. * This project has been bid and awarded. Alot of the equipment has arrived and now waiting on rest so the contractor can install and make needed repairs. 2022 Bulk of project was completed in 2022. Season ran out so the three Sluice Gates were replaced with the new motor actuated gates in the spring of 2023 to complete the project.	\$600,000	2022
4	Bio-solids handling project to address the production and storage of solids.	\$8,350,000	2027

5. Financial Management General Comments

Budgeting and setting aside funds to repair and bring equipment up to peak performance is on going.

ENERGY EFFICIENCY AND USE

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations:

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	6,750	19
February	5,970	23
March	6,969	42
April	6,106	31
May	5,314	21
June	4,071	22
July	3,633	61
August	4,099	50
September	4,243	24
October	4,409	19
November	5,331	23
December	6,337	21
Total	63,232	356
Average	5,269	30

6.1.2 Comments:

None

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- ☒ Comminution or Screening
- ☐ Extended Shaft Pumps
- ☒ Flow Metering and Recording
- ☐ Pneumatic Pumping
- ☒ SCADA System
- ☐ Self-Priming Pumps
- ☒ Submersible Pumps
- ☒ Variable Speed Drives
- ☐ Other:

6.2.2 Comments:

All lift stations had pumps pulled and inspected and wet wells were cleaned.

6.3 Has an Energy Study been performed for your pump/lift stations?

● No

○ Yes

Year:

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 **2023**

By Whom:

Describe and Comment:

6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

None

7. Treatment Facility

7.1 Energy Usage

7.1.1 Enter the monthly energy usage from the different energy sources:

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	31,683	27.52	1,151	62.19	509	1,189
February	29,962	30.69	976	58.91	509	1,305
March	29,830	39.04	764	58.78	507	592
April	29,270	34.23	855	71.55	409	242
May	28,441	29.46	965	77.07	369	38
June	26,476	25.66	1,032	66.96	395	2
July	24,893	25.66	970	68.39	364	0
August	28,565	26.23	1,089	72.57	394	17
September	25,025	24.70	1,013	63.21	396	130
October	27,674	26.81	1,032	68.32	405	52
November	29,695	25.32	1,173	64.38	461	320
December	35,379	26.89	1,316	64.79	546	467
Total	346,893	342.21		797.12		4,354
Average	28,908	28.52	1,028	66.43	439	396

7.1.2 Comments:

None

7.2 Energy Related Processes and Equipment

7.2.1 Indicate equipment and practices utilized at your treatment facility (Check all that apply):

- ☐ Aerobic Digestion
- ☒ Anaerobic Digestion
- ☐ Biological Phosphorus Removal
- ☐ Coarse Bubble Diffusers
- ☒ Dissolved O2 Monitoring and Aeration Control
- ☒ Effluent Pumping
- ☒ Fine Bubble Diffusers
- ☒ Influent Pumping

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

☐ Mechanical Sludge Processing

☒ Nitrification

☒ SCADA System

☒ UV Disinfection

☒ Variable Speed Drives

☒ Other:

Primary Clarification and grit removal.

7.2.2 Comments:

Most all of our pumps have VFD's on them and we are continually changing lighting over to LED.

7.3 Future Energy Related Equipment

7.3.1 What energy efficient equipment or practices do you have planned for the future for your treatment facility?

Continue on with LED lighting upgrades.

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?

☐ No

☒ Yes

If Yes, how is the biogas used (Check all that apply):

☒ Flared Off

☐ Building Heat

☒ Process Heat

☐ Generate Electricity

☐ Other:

9. Energy Efficiency Study

9.1 Has an Energy Study been performed for your treatment facility?

☒ No

☐ Yes

☐ Entire facility

Year:

By Whom:

Describe and Comment:

☐ Part of the facility

Year:

By Whom:

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

Describe and Comment:	

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

- ☒ Yes
- ☐ No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

- ☒ Yes
- ☐ No (30 points)
- ☐ N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

☒ Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

To ensure reliable service, complete scheduled cleaning maintenance, televising and manhole inspections per CMOM program. Devise a repair plan to correct issues found above during inspections.

Did you accomplish them?

- ☒ Yes
- ☐ No

If No, explain:

☒ Organization [NR 210.23 (4) (b)] ☐

Does this chapter of your CMOM include:

- ☒ Organizational structure and positions (eg. organizational chart and position descriptions)
- ☒ Internal and external lines of communication responsibilities
- ☒ Person(s) responsible for reporting overflow events to the department and the public

☒ Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

Municipal Code of Ordinances

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2022-02-16

Does your sewer use ordinance or other legally binding document address the following:

- ☒ Private property inflow and infiltration
- ☒ New sewer and building sewer design, construction, installation, testing and inspection
- ☒ Rehabilitated sewer and lift station installation, testing and inspection
- ☒ Sewage flows satellite system and large private users are monitored and controlled, as necessary
- ☒ Fat, oil and grease control
- ☒ Enforcement procedures for sewer use non-compliance

☒ Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

- ☒ Equipment and replacement part inventories
- ☒ Up-to-date sewer system map

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

- ☒ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation
- ☒ A description of routine operation and maintenance activities (see question 2 below)
- ☒ Capacity assessment program
- ☒ Basement back assessment and correction
- ☒ Regular O&M training

☒ Design and Performance Provisions [NR 210.23 (4) (e)] ☐ ☐

What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?

- ☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
- ☒ Construction, Inspection, and Testing
- ☐ Others:

☒ Overflow Emergency Response Plan [NR 210.23 (4) (f)] ☐ ☐

Does your emergency response capability include:

- ☒ Responsible personnel communication procedures
- ☒ Response order, timing and clean-up
- ☒ Public notification protocols
- ☒ Training
- ☒ Emergency operation protocols and implementation procedures

☒ Annual Self-Auditing of your CMOM Program [NR 210.23 (5)] ☐ ☐

☒ Special Studies Last Year (check only those that apply):

- ☒ Infiltration/Inflow (I/I) Analysis
- ☒ Sewer System Evaluation Survey (SSES)
- ☐ Sewer Evaluation and Capacity Management Plan (SECAP)
- ☒ Lift Station Evaluation Report
- ☐ Others:

0

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	10.5	% of system/year
Root removal	100	% of system/year
Flow monitoring	0	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	10.5	% of system/year
Manhole inspections	11.1	% of system/year
Lift station O&M	4	# per L.S./year
Manhole rehabilitation	0	% of manholes rehabbed
Mainline rehabilitation	0	% of sewer lines rehabbed
Private sewer inspections	0	% of system/year

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:

5/29/2024

2023

Private sewer I/I removal % of private services

River or water crossings % of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

None

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

17.6	Total actual amount of precipitation last year in inches
30.9	Annual average precipitation (for your location)
47.5	Miles of sanitary sewer
4	Number of lift stations
0	Number of lift station failures
1	Number of sewer pipe failures
2	Number of basement backup occurrences
2	Number of complaints
0.939	Average daily flow in MGD (if available)
1.259	Peak monthly flow in MGD (if available)
	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.00	Lift station failures (failures/year)
0.02	Sewer pipe failures (pipe failures/sewer mile/yr)
0.00	Sanitary sewer overflows (number/sewer mile/yr)
0.04	Basement backups (number/sewer mile)
0.04	Complaints (number/sewer mile)
1.3	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
0.0	Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume
------	----------	-------	------------------

None reported

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

☐ Yes

☒ No

If Yes, please describe:

5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

☐ Yes

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 **2023**

● No If Yes, please describe: 5.3 Explain any infiltration/inflow (I/I) changes this year from previous years: None 5.4 What is being done to address infiltration/inflow in your collection system? Review manhole inspections, televising reports and make repairs accordingly.	
--	--

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 2023

Grading Summary

WPDES No: 0020265

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	A	4	3	12
BOD/CBOD	A	4	10	40
TSS	A	4	5	20
Ammonia	A	4	5	20
Phosphorus	A	4	3	12
Biosolids	A	4	5	20
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			37	148
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

- A = Voluntary Range (Response Optional)
- B = Voluntary Range (Response Optional)
- C = Recommendation Range (Response Required)
- D = Action Range (Response Required)
- F = Action Range (Response Required)

Compliance Maintenance Annual Report

Mukwonago Wastewater Treatment Plant

Last Updated: Reporting For:
5/29/2024 **2023**

Resolution or Owner's Statement

Name of Governing Body or Owner:	
Date of Resolution or Action Taken:	
Resolution Number:	
Date of Submittal:	

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):
Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

Collection Systems: Grade = A
(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS
(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)
G.P.A. = 4.00



Agenda Item Cover Report

Date: 5-29-24	Committee/Board: Public Works
Submitted by: Wayne Castle	Department: Water Utility
Date of Committee Action: 6-5-24	Date of Village Board Action: 6-19-24

Subject:

Wells #3 and #4 Treatment Facility-for increasing water system capacity

Executive Summary:

This project's origins date back to 2018. We have done extensive work on engineering and studies for this project. Below is a timeline consisting of major milestones for this project. Also attached is the Pre-Design Study of Well #3 and #4 HMO Treatment Facilities that.

1. Draft Water and Wastewater Capacity Report issued- September 2018
2. Final Water and Wastewater Capacity Report issued- May 2021
3. Village analysis of reverse osmosis and ion exchange with R/M- January – April, 2022
4. WDNR approved pilot study proposal – August 2022
5. Pilot study conducted- November- December 2022
6. Project scoping coordination- Summer 2023
7. Predesign report submitted to WDNR with pilot study results- September 2023
8. Predesign report approved by WDNR – October 2023
9. Village and R/M Task Order approved for design, bidding, and construction services - November 2023
10. Engineering and design- November 27, 2023
11. Submit design and loan application to DNR- June 30, 2024
12. Start Public bidding process- December 1, 2024
13. Award project- February- 2025
14. Start construction- April 1, 2025
15. Complete construction June 1, 2026

☒ Attachments Included

- **Well #3 and Well #4 HMO Treatment Facilities Pre-Design Study**

Well No. 3 and Well No. 4 HMO Treatment Facilities Pre-Design Study



Well No. 3 & Well No. 4 HMO Treatment Facilities Pre-Design Study *September 2023*

PREPARED FOR:
Village of Mukwonago
440 River Crest Ct
Mukwonago, WI 54149

PREPARED BY:
Ruekert & Mielke, Inc.
W233 N2080 Ridgeview Parkway
Suite 300
Waukesha, WI 53188

TABLE OF CONTENTS

INTRODUCTION.....	1
EXISTING WATER SYSTEM FACILITIES	1
Well No. 3.....	1
Well No. 4.....	4
SERVICE AREA.....	6
VILLAGE SERVICE AREA CHARACTERISTICS	6
Location.....	6
Flood Plains	7
Wetlands	7
Population	7
GROUNDWATER QUALITY AND QUANTITY	8
WATER USE.....	9
ANALYSIS CRITERIA.....	12
ANALYSIS RESULTS	13
Analysis with Treatment at Well 4.....	13
Analysis with Treatment of Water From Well No. 3 and Well No. 4	14
DEVELOPMENT OF ALTERNATIVES.....	15
Recommended Layout.....	17
RECOMMENDED PLAN.....	20
PROJECT COSTS	23
PROJECT IMPLEMENTATION	24

LIST OF TABLES

Table 1: Principal Features of Well No. 3	4
Table 2: Principal Features of Well No. 4	6
Table 3: Well 3 Raw Water Chemical Characteristics	8
Table 4: Well 4 Raw Water Chemical Characteristics	8
Table 5: Well 3 Treated Water Radionuclide Characteristics	8
Table 6: Well 4 Treated Water Radionuclide Characteristics	9

Table 7: Village of Mukwonago Water Use 2011 to 2022.....	9
Table 8: General Consumption	10
Table 9: 2040 Projected Average Day Pumpage.....	10
Table 10: Statistical Analysis	11
Table 11: Estimated Construction Costs for Recommended Layout.....	19
Table 12: Well 3 Anticipated Raw and Treated Water Characteristics	20
Table 13: Well 4 Anticipated Raw and Treated Water Characteristics	20
Table 14: Project Schedule	24

LIST OF FIGURES

Figure 1: Existing Water System Facilities.....	2
Figure 2: Well Station No. 3 Existing Floor Plan	3
Figure 3: Well Station No. 4 Existing Floor Plan	5
Figure 4: Population Estimates	7
Figure 5: Proposed Building and Equipment	18
Figure 6: Proposed Well No. 4 Site Plan	21

LIST OF APPENDICES

Appendix A: HMO Pilot Study Report
Appendix B: Methodology For Analyzing Capacities of Ground Water Supplied Systems
Appendix C: Capacity Analysis Calculations

INTRODUCTION

A Water System capacity analysis for the Village of Mukwonago was completed in May 2021. The capacity analysis identified a deficiency in reliable supply capacity based on the current method of compliance with Maximum Contaminant Level (MCL) for combined radium activity from Wells No. 3 and 4. Water from Wells No. 5 and 6 is used to blend with the water from Wells No. 3 and 4 to reduce the combined radium activity prior to entering the distribution system. The capacity analysis recommended at a minimum the installation of an Hydrous Manganese Oxide (HMO) treatment system for treating water from Well No. 4 and should consider installation of an HMO treatment system for radium removal for the water from Well No. 3. Subsequent studies indicated that a HMO treatment system was the most appropriate compared to other treatment systems such as reverse osmosis and ion exchange.

A Radionuclide Removal Pilot Testing Study was prepared for the Village of Mukwonago, Wisconsin by Water Surplus and Ruekert & Mielke, Inc, in 2023. The purpose of the study was to document pilot tests of HMO filtration for the water from Well No. 3 and Well No. 4 for the selection of adequate treatment equipment.

As part of water system sampling and testing requirement established by the WDNR, the Village collected water samples from the three entry points and the samples were tested for PFAS. PFAS was detected in the sample collected from Well No. 7, and the results exceeded the hazard index. The Village has decided to remove Well No. 7 from normal service. This further adds to the need for additional capacity at Wells No. 3 and No. 4.

EXISTING WATER SYSTEM FACILITIES

The Village of Mukwonago water system consists of five (5) wells, one (1) concrete ground storage reservoir, two elevated storage tanks, and approximately 264,478 linear feet of water main,. The locations of the existing water facilities are shown in Figure No. 1.

Well No. 3

Well No. 3 was originally constructed in 1966. Well No. 3 consists of a 20-inch diameter drill hole from the surface to a depth of 253-feet, a 20-inch steel casing from the surface to a depth of 253 feet, a 19-inch diameter drill hole from a depth of 253 feet to a depth of 367 feet, a 12-inch diameter drill hole from a depth of 367 feet to a depth of 1370 feet, and a 12-inch grouted steel casing from 2 feet above grade to a depth of 367 feet.

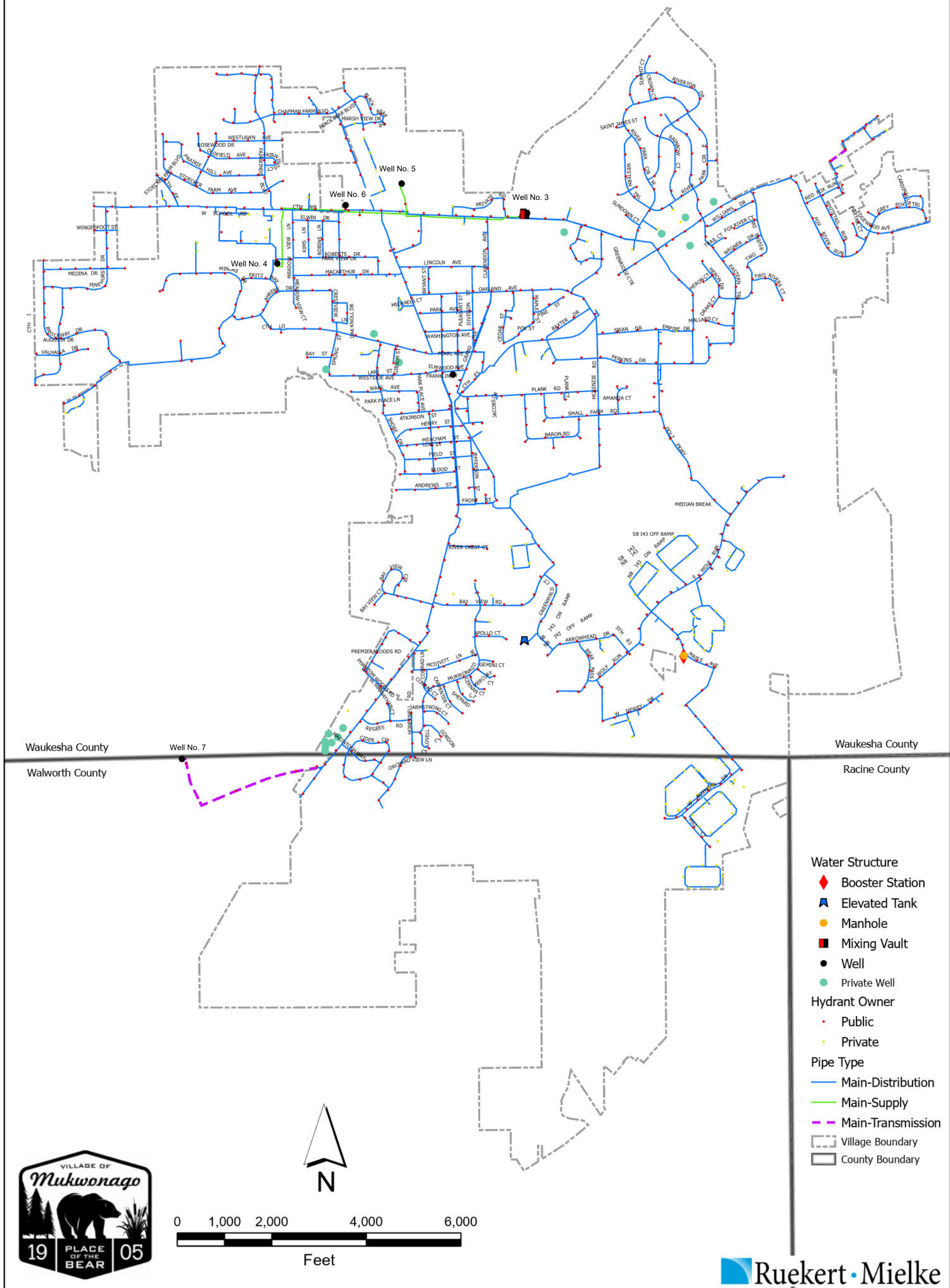
The well is located at 626 County Road NN (E. Veterans Way). The well is housed in a single room, masonry building that houses a vertical turbine line shaft well pump, and chemical feed equipment for sodium hypochlorite and fluoride. Sodium hypochlorite and fluoride solutions are added to the water for disinfection and for prevention of dental caries, respectively. The well is provided with stand-by power from a diesel fueled exterior engine generator. The electrical power distribution system equipment within the building is a mix of old and new equipment and has been modified over the years to accommodate supplying power to the adjacent elevated storage tank and the addition of a Variable Frequency Drive (VFD) for the well pump, and the engine generator. The existing floor plan for Well No. 3 is shown in Figure 2.

The ceiling of the well station is a cement plaster with metal lath that requires repairs adjacent to the roof hatch provided for access to the well pump.

Water from Well No. 3 is blended with water from Well No. 5 and Well No. 6 to meet the MCL for combined radium. The water from the wells is blended in a mixing vault to the west of the well station building. The combined blended water from Wells No. 3, 5, and 6 is discharged through a dedicated pipeline to the adjacent elevated storage tank.

Figure 1 Existing Water System Facilities

Village of Mukwonago,
Waukesha and Walworth County,
Wisconsin





The principal features of Well No. 3 are summarized in Table 1.

Table 1: Principal Features of Well No. 3

Item	Value
Well	
Casing Dia., Inches	12
Depth, feet	1,370
Pump Setting, Feet	520
Motor Size, Hp	150
Design Flow, gpm	845
Design Head, Ft	576
Electrical	
Service Size, amps	400
Service Voltage	480
Generator Size, kW	175
ATS Size, amps	400

Well No. 4

Well No. 4 was originally constructed in 1980. Well No. 4 consists of an 18-inch diameter drill hole from the surface to a depth of 312-feet, a grouted 12-inch steel casing from the surface to a depth of 312-feet, and a 12-inch diameter drill hole from a depth of 312 feet to a depth of 1500-feet..

The well is located at 525 Roberts Drive. The Well Station is an eight room, masonry building. The pump room houses a vertical turbine line shaft well pump, two vertical turbine service pumps.,. Chlorine gas feed equipment and fluoride feed equipment are located in 9'-8" x 12' room in the south central portion of the building . Chlorine solution is added to the water for disinfection and fluoride is added for prevention of dental caries. The building is equipped with a toilet room, a utility room, meter repair room, an office, and a garage. The existing floor plan for Well No. 4 is shown in Figure 3.

Water from Well No. 4 is blended with water from Well No. 5 and Well No. 6 to meet the MCL for combined radium. The water from the wells is blended in the discharge piping in the southwest corner of the pump room prior to discharging to the ground storage reservoir. The service pumps discharge the blended water from the ground storage reservoir to the water distribution system.

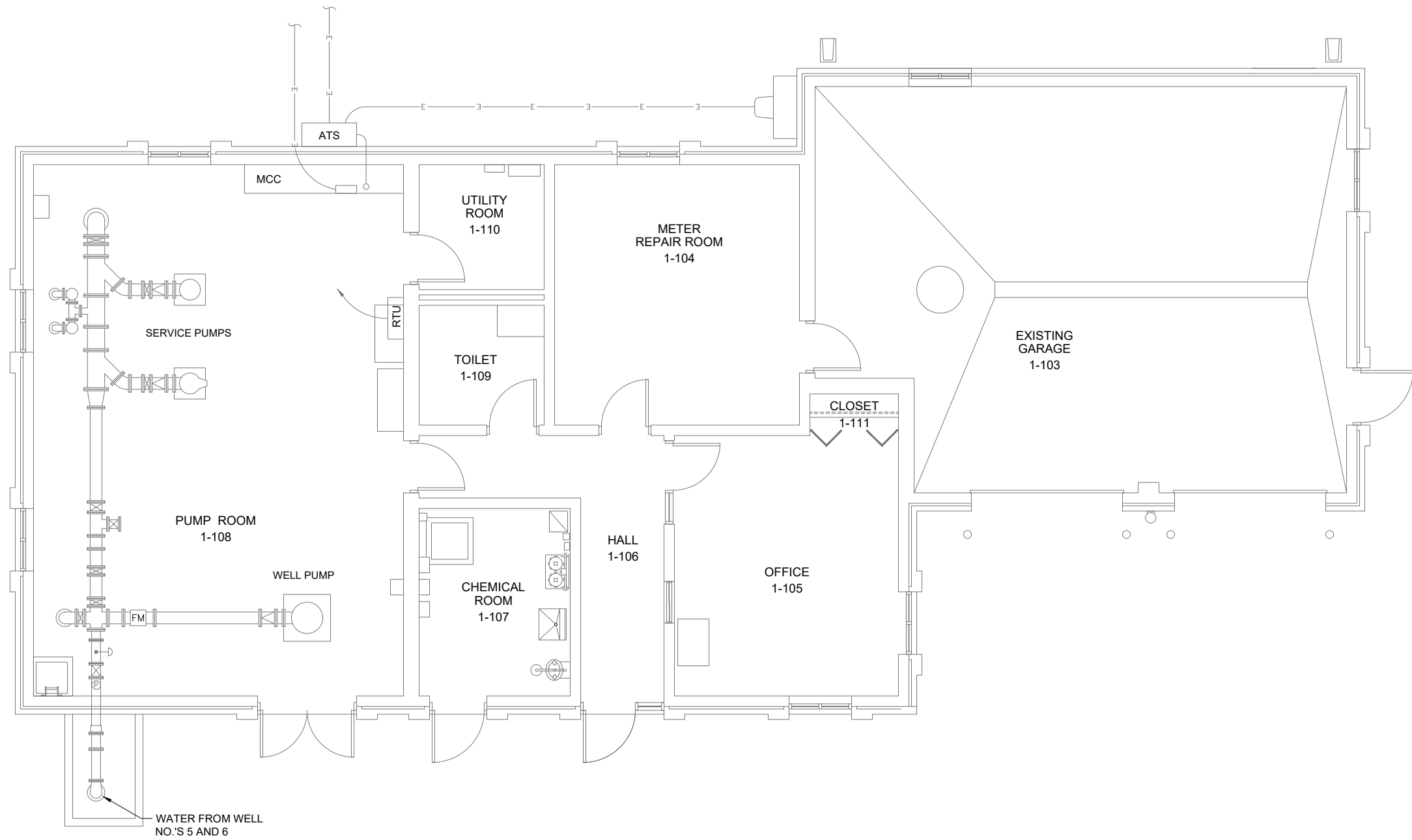


FIGURE 3
WELL NO. 4 FLOOR PLAN
Z0A03 48 0 12 4 6 8 10 12 FT



A below grade reservoir is constructed adjacent to the west wall of the Well Station. The reservoir consists of a single cell and is connected to a clearwell. The reservoir has a total capacity of 300,000 gallons and the clearwell has a capacity of 30,000 gallons. A clearwell is located beneath the service pumps Well Station. The well station is controlled using a Supervisory Control and Data Acquisition (SCADA) system. Principal features of Well No. 4 are summarized in Table 2.

Table 2: Principal Features of Well No. 4

Item	Value
Well	
Casing Dia., Inches	12
Depth, feet	1,500
Pump Setting, Feet	460
Motor Size, Hp	150
Design Flow, gpm	1,000
Design Head, Ft	458
Electrical	
Service Size, amps	600
Service Voltage	480
Generator Size, kW	275
ATS Size, amps	600
Ground Storage Reservoir	
Capacity, gallons	330,000
Depth, feet	12.5
Service Pumps	
Number	2
Motor Size, Hp	60
Design Flow, gpm	800
Design Head, Ft	210

SERVICE AREA

All wells in the Village provide water to the main service zone and to the boosted pressure zone. Wells No. 3 and No. 4 in conjunction with 3 other municipal wells, supply water to meet the water demand requirements of the Village.

VILLAGE SERVICE AREA CHARACTERISTICS

Location

The Village of Mukwonago is located in southeastern Wisconsin in the south central part of Waukesha County and the north eastern part of Walworth County. Wells No. 3, 4, 5, and 6 are located in the northern portion of the Village in Waukesha County.

Flood Plains

Flood plains within the village are generally located near Phantom Lake and Lower Phantom Lakes and along the Mukwonago River and Fox River. Floodplain areas will not be impacted by this project.

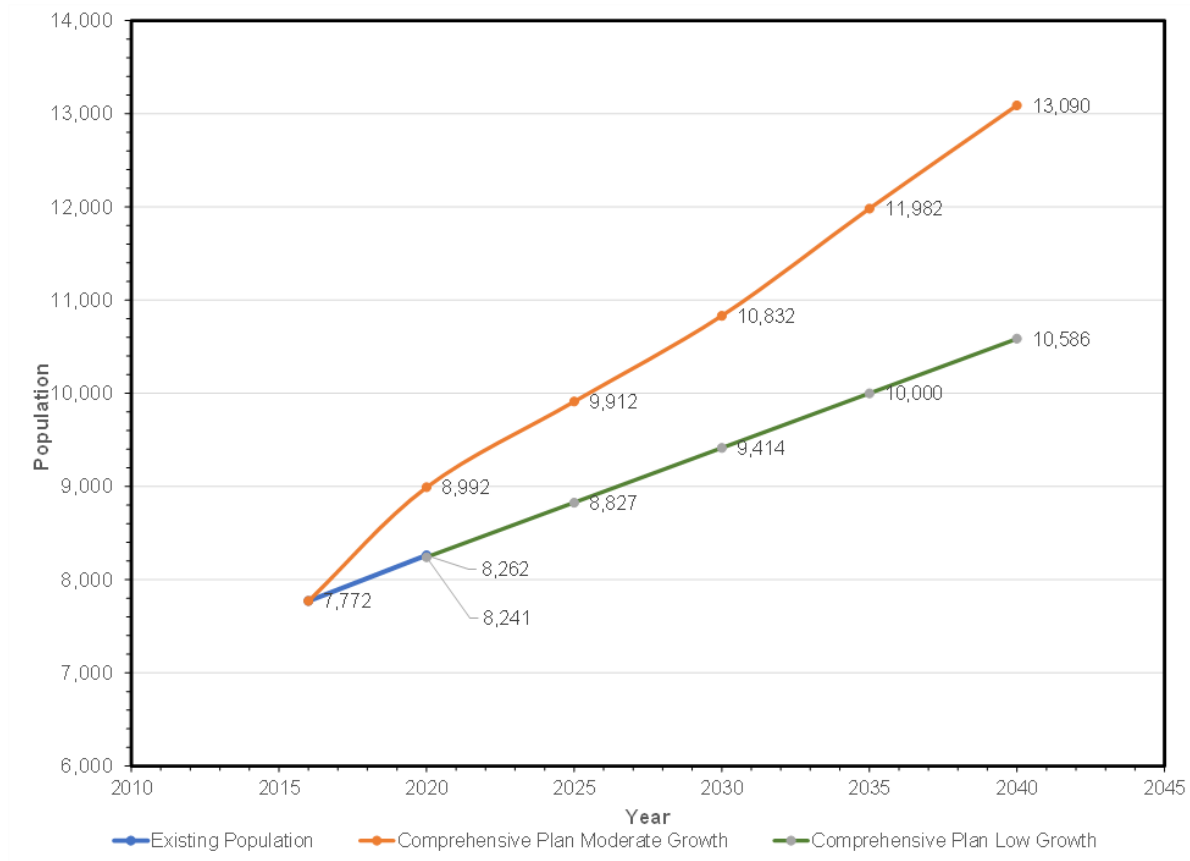
Wetlands

The several areas classified as wetlands in the Village. There are no areas classified as Wetlands on the sites for Wells No. 3, 4, 5, and 6. Wetland areas will not be impacted by this project.

Population

The population of the Village of Mukwonago 2020 was 8,262 according to the United States Census Bureau. Population projections for the Village were included in the Village of Mukwonago Update to Comprehensive Plan 2035 that was adopted by the Village Board on November 29, 2016. The comprehensive plan included an estimate 2016 Village population of 7,772. For the purposes of this study, low growth and moderate growth population estimates were extended to the year 2040. The existing and future population estimates are shown in Figure 4. The population increase from 2016 to 2020 appears to more closely represent the low growth rate projection identified in the comprehensive plan. The actual future rate of growth in the Village is unknown and is dependent upon factors not limited to the economy and available housing. For the purposes of this study, the future population of the Village of Mukwonago in 2040 is estimated to range between 10,586 and 13,090.

Figure 4: Population Estimates



GROUNDWATER QUALITY AND QUANTITY

Groundwater in the vicinity of the Mukwonago is generally of good quality. With the exceptions of radium and gross alpha, the water quality problems are primarily associated with hardness, iron, and total dissolved solids. Recent water quality data for Well 3 and Well 4 are not available as the water is blended with water from Well 5 and Well 3. Raw water samples were obtained from Well 3 and Well 4 in 2022 during radium removal pilot testing. The raw water chemical and radionuclide sampling results obtained during the pilot tests are summarized in Table 3 and 4.

Table 3: Well 3 Raw Water Chemical Characteristics

Iron mg/L	Manganese mg/L	Gross Alpha pCi/L ¹	Radium 226 pCi/L	Radium 228 pCi/L	Combined Radium pCi/L	Urnaium ug/L
0.23	0.036	17.2	5.630	0.618	6.248	0
0.21	0.026	28.5	4.810	0.989	5.799	0.265
0.15	0.019	16.0	4.380	1.050	5.430	0.208
0.19	0.030	19.7	5.310	1.420	6.730	0.273

1. Excludes Uranium and Radon

Table 4: Well 4 Raw Water Chemical Characteristics

Iron mg/L	Manganese mg/L	Gross Alpha pCi/L ¹	Radium 226 pCi/L	Radium 228 pCi/L	Combined Radium pCi/L	Urnaium ug/L
0.19	0.020	26.2	4.53	2.1	6.63	0.4

1. Excludes Uranium and Radon

Treated water characteristics from Well 3 and Well 4 were obtained from the HMO pilot study in 2023. The pilot study report is included in Appendix A. The treated water radionuclide testing results are summarized in Table 5 and Table 6.

Table 5: Well 3 Treated Water Radionuclide Characteristics

Iron mg/L	Manganese mg/L	Gross Alpha pCi/L ¹	Radium 226 pCi/L	Radium 228 pCi/L	Combined Radium pCi/L	Urnaium ug/L
0.02	0.074	2.190	0.000	0.375	0.375	0.250
--	--	--	0.258	0.209	0.467	--
0.02	0.048	0.061	0.240	0.637	0.877	0.260
--	--	--	0.227	0.771	0.998	--
--	--	--	0.413	0.369	0.782	--
--	--	--	0.170	0.425	0.595	--
--	--	--	0.103	0.140	0.243	--
0.01	0.021	0.408	0.069	0.236	0.305	0.265
--	--	--	0.134	0.134	0.268	--
--	--	--	0.063	0.203	0.266	--
--	--	--	0.000	0.249	0.249	--
0.02	0.019	0.664	0.434	0.446	0.880	0.250
--	--	--	0.124	0.562	0.686	--

1. Excludes Uranium and Radon

Table 6: Well 4 Treated Water Radionuclide Characteristics

Iron mg/L	Manganese mg/L	Gross Alpha pCi/L ¹	Radium 226 pCi/L	Radium 228 pCi/L	Combined Radium pCi/L	Urnaium ug/L
0.02	0.026	0.873	0.375	0.550	0.925	0.398
--	--	--	0.517	0.394	0.911	--
--	--	--	0.492	0.600	1.092	--
--	--	1.910	0.980	0.752	1.732	0.365
--	--	--	0.608	0.397	1.005	--

1. Excludes Uranium and Radon

WATER USE

Projected water demands were determined from statistics for water consumption obtained from the Wisconsin Public Service Commission (WPSC) for the years 2011-2022. Average and maximum day water use from 2011 to 2022 is shown in Table 7. Of note is water consumption in 2012 and in 2021 and 2022. There was a long period of hot, dry weather in June of 2012, and the total volume pumped for the year was significantly higher than other years. The maximum day demand in 2012 and in 2021 and 2022 are the largest maximum day demands experienced by the Village due to normal demands and water system operating procedures.

Table 7: Village of Mukwonago Water Use 2011 to 2022

Year	Water Use, MG			Max. Day Date	Max./Avg. Day Ratio	Total Sales MG	Pumpage Sold, Percent	Reason for Max. Day Pumpage
	Total Pumped	Avg. Day	Max. Day					
2011	271	0.74	1.31	1/8/2011	1.77	244.7	90%	Water main break
2012	296	0.81	1.72	6/22/2012	2.13	214.7	73%	Hot & dry weather
2013	237	0.65	1.10	5/21/2013	1.69	201.8	85%	High usage
2014	216	0.59	0.96	7/19/2014	1.62	203.2	94%	High usage
2015	239	0.65	1.27	9/24/2015	1.94	212.8	89%	High usage
2016	259	0.71	1.96	8/9/2016	2.77	229.9	89%	Filling retention pond
2017	255	0.70	1.15	8/14/2017	1.65	217.1	85%	Hydrant hit by car
2018	267	0.73	1.48	7/10/2018	2.03	222.4	83%	Hot weather and Construction
2019	246	0.67	1.13	7/11/2019	1.68	216.1	88%	Hot weather and Construction
2020	255	0.70	1.27	9/1/2020	1.82	227.9	90%	Hot Weather and Flushing
2021	271	0.74	1.74	6/9/2021	2.35	235.2	87%	Hot Weather and Flushing
2022	272	0.75	1.75	4/18/2022	2.35	228.7	84%	Flushing

Water sales for the Village are categorized as Residential, Commercial, Industrial, Public and Multifamily. Sales to Residential, Commercial, Public, and Multifamily customers are proportional to the population of the community. As residential population increases, the consumption of water for residential and multifamily customers increases along with increased commercial and public consumption as residents utilize more local business and public facilities. Industrial sales are not directly related to the population of a community. A general consumption rate was calculated using sales data from 2012, and 2019 through 2022 to establish a basis to estimate future water sales and pumpage needs. The average customer consumption rate was calculated based on the average number of residential customers and annual metered residential consumption. The general consumption rates in gallons per capita day (gpcd) are summarized in Table 8.

Table 8: General Consumption

Year	Estimated Population	Metered Sales, 1000 gallons					General Consumption, gpcd ²
		Residential	Commercial	Industrial	Public	Multifamily ¹	
2012	7,390	125,216	60,858	16,348	10,090	--	72.72
2019	8,185	113,864	42,176	23,515	6,699	29,831	64.46
2020	8,262	128,455	39,913	23,724	6,716	29,064	67.70
2021	8,345	131,382	42,892	23,192	10,024	27,711	69.60
2022	8,435	127,149	43,205	22,627	8,289	27,338	66.90

Notes:

1. Multifamily category was established in 2013 and required in 2014. Previously included in Commercial
2. General Use includes Residential, Commercial, Public, and Multifamily sales and are directly associated with population

Projections for average day sales and pumpage needs for the year 2040 were estimated using a general consumption value of 70 gpcd and the population projections summarized in the Village service area characteristics. An allowance of an additional 5,000 gallons per day was included to accommodate for future industrial water needs. Sales were estimated to be 85 percent of the total pumpage based on historical data. The increased pumpage was added to the existing average day pumpage for 2022 to obtain the projected average day pumpage needs. The projected average day pumpage needs for the low growth and medium growth population scenarios are summarized in Table 9.

Table 9: 2040 Projected Average Day Pumpage

2040 Population Projection Source	2040 Population Projection	Population Increase	General Use, gpcd	General Sales Increase, gpd	Industrial Sales Allowance, gpd	Increased Sales, gpd	Increased Pumpage, gpd	Projected Average Day Pumpage, gpd
Comp Plan Low Growth	10,586	2,151	70	150,570	5,000	155,570	183,024	933,024
Comp Plan Medium Growth	13,090	4,655	70	325,850	5,000	330,850	389,235	1,139,235

Over the last 12 years, the maximum day pumpage ratio (ratio of maximum day to average day pumpage) has varied from a low of approximately 162 percent in 2014 to a high of 235 percent in 2022. The year 2016 was excluded from this analysis because the maximum day demand was the result of filling a retention pond. The values shown in Table 10 are similar to other communities, where design ratios of 200 percent to even 300 percent are common. This is due to the larger percentage of the total water usage being consumed to meet the variable demands of residential and commercial customers as opposed to the more continuous water needs of industrial customers.

To gain a better understanding of expected fluctuations in customer demands for the Village of Mukwonago, a statistical analysis was performed of historical maximum day to average day pumpage ratios. The results of this analysis are summarized in Table 10.

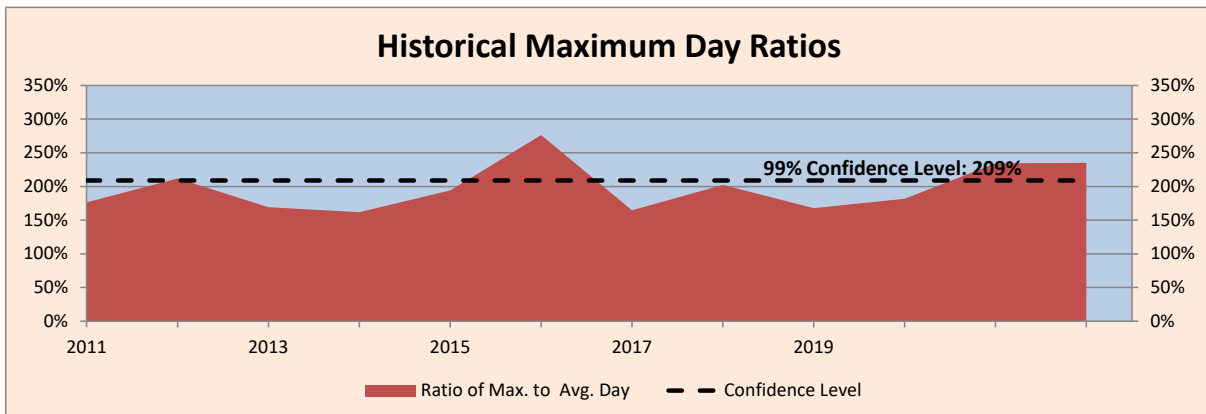
Table 10: Statistical Analysis

Year	Avg. Day Pumpage (MGD)	Max. Day Pumpage (MGD)	Date of Maximum Day	Ratio of Max. to Avg. Day	Year	Avg. Day Pumpage (MGD)	Max. Day Pumpage (MGD)	Date of Maximum Day	Ratio of Max. to Avg. Day
2011	0.74	1.31	1 Jan 8	1.76	2018	0.73	1.48	July 10	2.02
2012	0.81	1.72	June 22	2.12	2019	0.67	1.13	July 11	1.68
2013	0.65	1.10	May 21	1.69	2020	0.70	1.27	Sept 1	1.82
2014	0.59	0.956	July 19	1.62	2021	0.74	1.74	June 9	2.34
2015	0.65	1.27	Sept 24	1.94	2022	0.75	1.75	Apr 18	2.35
2016	0.71	1.96	Aug 9	2.76					
2017	0.70	1.15	Aug 14	1.65					

Notes: 1. Maximum day for 2016 was a result of filling a retention pond and was not used for analysis

	2011 - 2022
Number of years of Data	11
Maximum Ratio - Max. to Avg. Day Pumpage	235%
Minimum Ratio - Max. to Avg. Day Pumpage	162%
Average Ratio Max. to Avg. Day Pumpage	191%
Standard Deviation	26%

Confidence Level (%)	Ratio of Max. to Avg. Day Pumpage 2011 - 2022
80%	197%
85%	199%
90%	201%
95%	204%
98%	207%
99%	209%



For the years 2011 to 2022, the average maximum day demand ratio was approximately 191 percent, with a standard deviation of 26 percent. Table 10 also includes an analysis of expected maximum day pumpage ratios for various confidence levels. For example, based on the analysis of data from 2011 to 2022, there is a 99 percent chance in any given year that the actual maximum day pumpage ratio will be less than or equal to 209 percent.

To evaluate future water supply and storage needs, a maximum day pumpage ratio of 209 percent was used for this study. This ratio provides a confidence level of 99 percent based on maximum day pumpage ratios reported over the past 11-year analysis period.

The hour-to-hour variation of customer demands is also an important characteristic used to evaluate water supply and storage requirements. Peak hour demand is important because storage facilities are usually designed to provide water to meet the peak hour demand requirement in excess of the demand equal to the maximum day pumpage. As with maximum day demands, peak hour demand is often expressed as a ratio of peak hour to average day demand for the year. Peak hour demand is defined as the hour of maximum demand that occurs on the maximum day.

According to AWWA Manual M32, typical ranges for peak hour factors in distribution systems of various sizes are 1.3 to 2.0 for peak hour to maximum day and 0.2 to 0.6 for minimum hour to maximum day. The peak hour demand factor is estimated to be 2.0 times the maximum day demand resulting in a total peak hour to average day ratio of 4.18.

Water system supply, pumping and storage facilities work together to provide the capacity needed to meet customer demands. Specific criteria have been developed to determine the adequacy of water system facilities. These criteria are described below. See Appendix B for a more complete explanation of the criteria, including an example calculation. These criteria assume supply is provided by groundwater wells.

ANALYSIS CRITERIA

The water system capacity is evaluated using the following four criteria:

1. Well Pump Capacity

There should be sufficient well pump capacity to supply the peak day pumpage volume when operating for eighteen hours per day with the largest capacity or most critical well pump inoperable.

2. Peak Hour Storage Capacity

There should be sufficient storage volume to provide the difference between the peak hour rate and the peak day rate for a duration of 4 hours. Excess well supply capacity can be applied to satisfy this criteria.

3. Fire Flow Storage Capacity

There should be sufficient pumping and storage capacities to provide the recommended fire flow rate and duration. It is assumed that pumpage at the peak hour rate for a duration of 4 hours immediately precedes the fire flow event and a concurrent peak day demand rate occurs during the fire flow event.

4. Emergency Supply Capacity

There should be sufficient elevated storage volume and pumping facilities equipped with auxiliary power to provide an average day pumpage volume.

Based on these criteria, an analysis was performed to determine the adequacy of the Village's water supply, pumping and storage facilities. The most critical criteria for the Village is well pump capacity. While Well 4 has the greatest capacity (1,000 gpm/1.44 mgd) it is Well 5 (700 gpm/1.01 mgd) that is most critical. This is because Wells 3 and 4 produce water which exceeds the allowable limit for radium. Wells 3 and 4 draw water from the deep sandstone aquifer. This aquifer underlines southeastern Wisconsin and in most locations produces water containing naturally occurring radium. Wells 5 and 6 draw water from the shallow sand and gravel aquifer.

Water in this aquifer contains little or no radium. Wells 5 and 6 were constructed to provide a radium free source of water to blend with water from Wells 3 and 4. At a blending ratio of about 50/50, the blended water complies with the radium standard.

Well 5 is the most critical well because its loss indirectly reduces the flow rate available from Wells 3 and 4. Without Well 5, only Well 6 (300 gpm/0.43 mgd) is available to blend with Wells 3 and 4. The loss of Well 5 would significantly reduce the volume of radium compliant water available to meet customer demands.

ANALYSIS RESULTS

The table below shows the adequacy of the existing facilities to meet current pumpage needs based on the analysis criteria.

<u>Criteria</u>	<u>Excess Capacity</u>
Well Pump	-0.39 MGD
Peak Hour Storage	0.61 MG
Fire Flow Storage	0.11 MG
Emergency Supply	3.21 MG

Assumptions

1. Average day pumping volume = 0.75 MG
2. Maximum day pumping volumes = 1.75 MG

As can be seen in the table, currently there is a deficiency in the well pump capacity. The calculation assumes the loss of Well 5 during a period of maximum day demand. This analysis assumes Well No. 7 is in service. The removal of Well No. 7 from service, resulting from the presence of PFAS, increases the deficiency in the well supply system capacity. While the odds of this occurring are not great, well pumps can and do break down with no notice. Also, shallow wells like Village Wells 5, 6, and 7 are more subject to contamination from man-made sources than are deep Wells 3 and 4. A leak in a buried gasoline tank at a nearby filling station could render Well 5 unusable for an extended time period.

The above table shows the water system facilities currently have surplus capacity with respect to the peak hour, fire flow and emergency supply criteria. More detail on the analysis calculations is shown in Appendix C.

Analysis with Treatment at Well 4

In this alternative the installation of an HMO treatment system at the site of Well 4 to treat the water from Well 4 would be provided to remove radium. In this alternative, Well No. 7 is out of service. With treatment installed to remove radium from Well 4, Well 4 now has the greatest capacity (1,000 gpm/1.44 mgd), and Well 5 can be used to blend with water from Well 3 in the event Well 4 or the treatment system at Well 4 is out of service. The table below shows the capacity of the facilities to meet future 2040 low growth pumpage needs based on the previously identified criteria.

<u>Criteria</u>	<u>Excess Capacity</u>
Well Pump	-0.33 MGD
Peak Hour Storage	0.47 MG
Fire Flow Storage	0.07 MG
Emergency Supply	3.81 MG

Assumptions

1. Future Low Growth Average day pumping volume = 0.93 MG
2. Maximum day pumping volumes = 1.943 MG

As can be seen in the table, with treatment of the water at Well 4, there is a deficiency in well pump capacity to meet the low growth 2040 water pumpage projections. .

The above table shows the water system facilities currently have surplus capacity with respect to the peak hour, fire flow and emergency supply criteria. More detail on the analysis calculations is shown in Appendix C.

Using the 2040 moderate growth pumpage needs and treatment installed at the site of Well 4, the table below shows the capacity of the facilities to meet future 2040 moderate growth pumpage needs based on the previously identified criteria.

<u>Criteria</u>	<u>Excess Capacity</u>
Well Pump	-0.76 MGD
Peak Hour Storage	0.43 MG
Fire Flow Storage	-0.10 MG
Emergency Supply	3.61 MG

Assumptions

1. Future Moderate Growth Average day pumping volume = 1.14 MG
2. Maximum day pumping volumes = 2.38 MG

As can be seen in the table, with treatment of the water at Well 4, there is a deficiency in well pump capacity to meet the moderate growth 2040 water pumpage projections

The above table shows the water system facilities currently have surplus capacity with respect to the peak hour storage and emergency supply, however there is a deficiency in fire flow storage. More detail on the analysis calculations is shown in Appendix C.

Analysis with Treatment of Water From Well No. 3 and Well No. 4

In this alternative, the installation of an HMO treatment system at the site of Well No. 4 to treat the water from Well No. 4 and Well No. 3 would be provided to remove radium. In this alternative, Well No. 7 is out of service. With treatment installed to remove radium from the water for both Well No. 3 and Well No. 4, Well No. 4 now has the greatest capacity (1,000 gpm/1.44 mgd), the full capacity of Well No. 3 and Well No. 5 can be used to supply the system with water needs in the event Well No. 4 or the treatment system for Well No. 4 is out of service. The table below shows the capacity of the facilities to meet future 2040 moderate growth pumpage needs based on the above analysis criteria.

Using the 2040 low growth pumpage needs and treatment installed at the site of Well No. 4 to treat the water from Wells No. 3 and No. 4, the table below shows the capacity of the facilities to meet future 2040 moderate growth pumpage needs based on the above analysis criteria.

<u>Criteria</u>	<u>Excess Capacity</u>
Well Pump	0.26 MGD
Peak Hour Storage	0.54 MG
Fire Flow Storage	0.27 MG
Emergency Supply	4.60 MG

Assumptions

1. Future Low Growth Average day pumping volume = 0.93 MG
2. Maximum day pumping volumes = 1.958 MG

As can be seen in the table, with treatment of the water for both Well No. 3 and Well No. 4, the well pumps have excess capacity to meet the low growth 2040 water pumpage projections.

The above table shows the water system facilities currently have surplus capacity with respect to the peak hour, fire flow and emergency supply criteria. More detail on the analysis calculations is shown in Appendix C.

Using the 2040 moderate growth pumpage needs and treatment installed at the site of Well No. 4, to treat the water from Wells No. 3 and No. 4, the table below shows the capacity of the facilities to meet future 2040 moderate growth pumpage needs based on the previously identified criteria.

<u>Criteria</u>	<u>Excess Capacity</u>
Well Pump	-0.17 MGD
Peak Hour Storage	0.41 MG
Fire Flow Storage	0.05 MG
Emergency Supply	4.40 MG

Assumptions

1. Future Moderate Growth Average day pumping volume = 1.14 MG
2. Maximum day pumping volumes = 2.38 MG

As can be seen in the table, with treatment of the water for both Wells No. 3 and No. 4, there is a deficiency in well pump capacity to meet the moderate growth 2040 water pumpage projections. The wells have a reliable capacity suitable for an estimated population of 12,096 persons.

The above table shows the water system facilities currently have surplus capacity with respect to the peak hour, fire flow and emergency supply criteria. More detail on the analysis calculations is shown in Appendix C.

DEVELOPMENT OF ALTERNATIVES

Alternative treatment strategies were developed to increase reliable capacity to the Village water system customers. The alternative strategies are based on the projected future water needs based on the low growth and moderate growth population scenarios. The removal of Well No. 7 from service resulting from PFAS exceeding the hazard index resulted in the need for treating water from both Wells No. 3 and No. 4 to meet the existing the low growth and a large percentage of the moderate growth projected needs for the next 20 years. Treatment of the water only from Well No. 4 would result in a supply deficiency for existing and projected demands.

Filtration systems will be sized based on the recommendations of the pilot testing performed in 2022. The pilot testing report identified filtration rates using a catalytic media in the range of 7.34 gallons per minute per square foot (gpm/sq. ft.) to 7.86 gpm/sq. ft. Filter surface area needed would range from 239 to 256 square feet.

As part of the development of alternatives, used filtration equipment from the City of Waukesha was evaluated to determine if the equipment would be suitable for use for the Village of Mukwonago. The existing filtration equipment for Well 8 and Well 10 in the City of Waukesha was evaluated for potential use in the Village. The filtration equipment at Well 8 has a surface area of 500 square feet and is composed of silica sand and anthracite. The filtration rate required for this filter would be 3 gpm/sq. ft, as this media differs than the media pilot tested. At this filtration rate, the well flow rate required is 1,500 gpm. This equipment would require simultaneous operation of Wells 3 and 4 at a reduced output rate for the well pumps. The filtration equipment at Well 10 includes two filters each with a filtration surface area of approximately 214 square feet. The filtration rate required for this filter would be 3 gpm/sq. ft, as this media differs than the media pilot tested. One of the two filters is too small to accommodate the discharge rates from Well 3 or Well 4. Two filters operated in parallel would require simultaneous operation of Wells 3 and 4 at a reduced output rate for the well pumps. The used filtration equipment from the City of Waukesha is not suitable for use with the treatment needs and would not provide redundancy, and will no longer be considered for further evaluation.

Filtration systems can be either multiple vertical pressure filters or one or two horizontal pressure filters. Sixteen (16) vertical pressure filters would be used in for treating water from Wells No. 3 and 4. Two horizontal pressure filters would be used in treating the Water from Wells No. 3 and 4. In the event maintenance or repairs are required for the filter equipment, work can be performed on a single vertical pressure filter without affecting the operation of the remaining vertical pressure filters. Treated water can be produced by the pressure filters not requiring maintenance or repairs. The rate of pumping to the filters would be reduced to maintain the design filtration rate through the filters that are in service. If work is required on a single cell of a horizontal pressure filter, the entire pressure filter must be removed from service. The system flexibility and improved reliability of multiple vertical pressure filters provides an advantage. Additionally, as another advantage, the cost for vertical pressure filters is less than the cost of a horizontal pressure filter for treatment of 900 to 1,000 gpm of water. An additional advantage of the vertical pressure filter is that during a backwash, treated water can be produced while each individual filter is backwashed. The horizontal pressure filter would not produce treated water during backwashing and would require additional control system programming to provide a different well pumping rate during filtration and backwash sequences. A disadvantage of vertical pressure filters, is the vertical pressure filters require more space than a single horizontal pressure filter to treat the same flow rate of water. Vertical pressure filters are recommended based on the multiple advantages described above.

The existing blending system at Well No. 3 will remain in place for use for additional reliability. The blending system would remain in the event of a catastrophic electrical failure or discharge water main failure for the service pumps at Well No. 4.

A new gas chlorination system would be provided or the existing sodium hypochlorite feed system would remain at Well No. 3. The addition of chlorine to the water discharged from Well No. 3 would provide for oxidant addition needed for the catalytic media in the proposed filters, and provide for control of biofilm in the water transmission main between Wells No. 3 and No. 4. In the event the blending system is used, the gas chlorination system or existing sodium hypochlorite system would be used for chlorinating the water discharged from Well No. 3.

General improvements to the pumphouse for Well No. 3 are also included. The general improvements include replacement of the cement stucco ceiling with a moisture resistant gypsum board ceiling, and replacement of the existing power distribution system and control wiring system.

Water main work for the discharges of Wells No. 5 and No. 6 is needed to allow direct discharge to the distribution system. Currently the water from Wells No. 5 and No. 6 is discharged to the blending transmission main. This blending transmission main would be re-purposed to convey water from Well No. 3 to site of Well No. 4. Piping revisions at the site of Well No. 6 and at the intersection of CTH "NN" and the access road to Well No. 5 would be performed to allow discharge directly to the water distribution system. The connection to the existing blending transmission main would remain in the event that

blending is required with the water discharged from Well No. 3. Water modeling was conducted to confirm that the pump at Well No. 3 has enough head to convey the water through the transmission line through the proposed treatment system treatment at Well No. 4. Presently the water from this pump is routed through an ancillary fill pipe at the elevated storage tank (EST) at Well No. 3. It is suspected that was designed originally to allow air to come out of the water. Air from Well No. 3 is no longer a problem. As part of the EST repainting and redesign project planned for construction in 2024, this fill pipe will be removed.

Recommended Layout

An HMO filtration system would be provided to remove radium and gross alpha from the groundwater discharged from Well No. 4 and Well No. 3. A large portion of the existing building at Well No. 4 would be removed and a new building addition would be constructed. The original building layout no longer meets the existing or proposed operational needs of the Village. The pump room portion of the building would be retained as the pump equipment size and layout is remaining the same. The brick would be replaced in this area as there are expansion cracks on the north side of building. Replacing the brick for the exterior of the pump room will allow for matching the exterior brick for the new portions of the building. The well water would be pumped by the existing wells pump to a new HMO filtration system in the new building addition. Modifications to the existing blending water main would be performed to allow water from Well No. 3 to flow to the proposed treatment system. Along with blending water main modifications, the well pump discharge piping for Well 4 would be modified to discharge to the current blending main to allow discharge to the new building addition and filtration equipment. The new building addition would have separate chemical rooms for gas chlorine feed equipment, HMO chemical feed equipment and fluoride feed equipment. Two chlorination systems would be provided, one for the addition of chlorine to the well water prior to entering the filter, and one for post chlorination. The existing electrical service, gas service and sewer lateral will need to be relocated to accommodate the new building addition.

The filtration system would consist of sixteen (16), 54-inch diameter catalytic media vertical pressure filters having a total filtration surface are of 254 square feet using catalytic filtration media. The catalytic media requires backwash at a rate of 25 gpm/sq. ft., which would require a backwash flow rate of 400 gpm for the each vertical pressure filters. Each filter would be backwashed sequentially for a duration of 5 minutes.

The treated water from the filter system would discharge through a vertical riser pipe to maintain adequate back pressure on the filter system and then discharge to the existing ground storage reservoir. The piping in the reservoir would be replaced to accommodate the additional flow capacity for both Wells No. 3 and 4. The two existing service pumps would be reused and one additional service pump would be added to increase the reliable capacity to discharge treated water from the ground storage reservoir to the distribution system.

The new building addition would include separate rooms for an engine generator and room electrical equipment and controls. The existing generator would be reused and relocated to the new generator room. The existing generator has adequate capacity for the proposed improvements with the addition of harmonic filters or active front end drives for the service pumps and well pump. A new storage area with 16' high walls would be provided with the new building addition to replace the garage/storage area in the original building. The proposed building and equipment modifications included are shown in Figure 5.

A backwash holding tank would be required to allow discharge the backwash wastewater at a controlled rate. The adjacent sewer and associated collection system lift station has capacity to accommodate a flow rate of 100 gpm. The backwash holding tank would be sized to accommodate two complete backwash cycles. The minimum size required to accommodate two backwash cycles is 64,000 gallons. A submersible pump would be provided with a 4-inch diameter force main to discharge the contents of the backwash holding tank to the sanitary sewer. The estimated construction costs for the recommended layout are presented in Table 11.

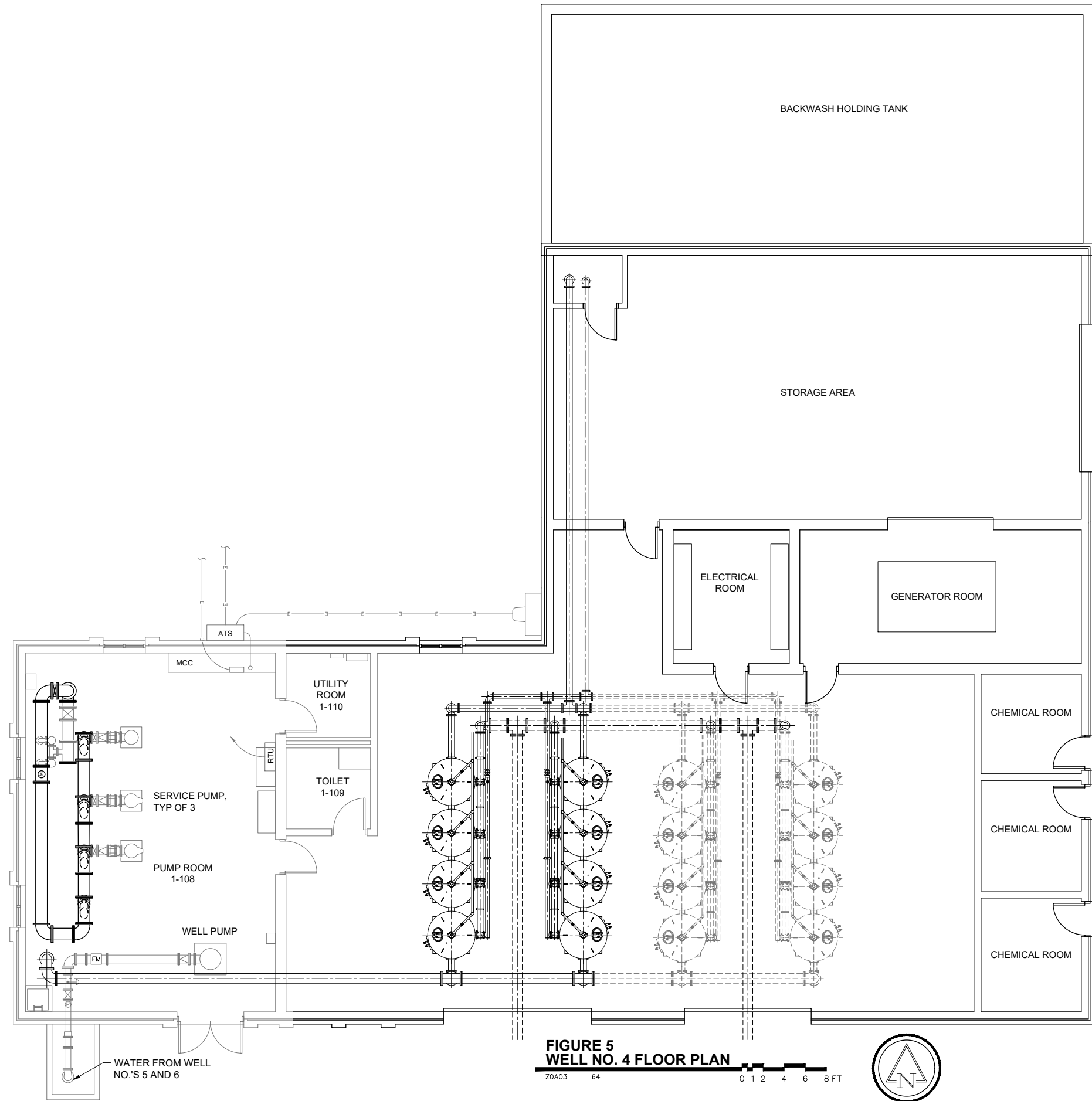


FIGURE 5
WELL NO. 4 FLOOR PLAN

20A03 64 0 1 2 4 6 8 FT



Table 11: Estimated Construction Costs for Recommended Layout

Well No. 4	
Demolition	\$ 137,800
Excavation/Fill	\$ 55,600
Concrete/Masonry	\$ 2,072,800
Roofing	\$ 135,000
Painting	\$ 84,600
Doors/ Windows/ Metals	\$ 147,300
Plumbing	\$ 138,900
HVAC	\$ 311,000
Process Piping	\$ 750,000
Process Equipment	\$ 975,000
Electrical/Generator/SCADA	\$ 633,800
Electric/NG Service Relocation	\$ 20,000
Subtotal	\$ 5,461,800
General Conditions, Bonds, Insurance (13%)	\$ 710,000
Estimated Construction Cost	\$ 6,171,800
Well No. 3	
Mobilization	\$ 25,000
Ceiling Replacement	\$ 22,100
Painting	\$ 20,000
Electrical Work	\$ 238,500
SCADA	\$ 45,000
Subtotal	\$ 350,600
General Conditions, Bonds, Insurance (13%)	\$ 45,600
Estimated Construction Cost	\$ 396,200
Well No. 5 Site Piping Revisions	
Mobilization	\$ 12,000
12-inch x 8-Inch Cut-In Tee	\$ 1,200
12-Inch Insertion Gate Valve	\$ 10,000
8-Inch Tap and 16-Inch Tapping Sleeve	\$ 3,500
8-Inch PVC Water Main	\$ 3,800
Asphalt Restoration	\$ 10,000
Subtotal	\$ 40,500
Well No. 6 Site Piping Revisions	
Mobilization	\$ 12,000
8-Inch Cut-In Tee	\$ 1,000
8-Inch Insertion Gate Valve	\$ 8,500
8-Inch Tap and 16-Inch Tapping Sleeve	\$ 3,500
8-Inch PVC Water Main	\$ 3,000
Restoration	\$ 7,500
Subtotal	\$ 35,500
Estimated Construction Cost	\$ 6,644,000
Contingency (10%)	\$ 664,400
Total Estimated Construction Cost	\$ 7,308,400

RECOMMENDED PLAN

The HMO treatment facilities for Wells No. 3 and No. 4 and building modifications will be constructed on the site of existing well station No. 4. The recommended plan includes demolition of the existing garage, meter shop, chemical feed room and constructing a new addition extending from the existing pump room. The new addition will include a filter room, an electrical room, three chemical feed/storage rooms, a generator room, and storage room. The Filter Room will house sixteen (16) 54-inch diameter vertical pressure filters. Under normal operation water from Well No. 3 will be directed to eight filters and water from Well 4 will be directed to eight filters. The storage area will include a Backwash Waste Room. The proposed preliminary site plan is shown in the Figure 6.

The design of the HMO treatment facilities will be based on the pilot study completed by Water Supply in 2023. Results of the pilot study were summarized in the Radium & Gross Alpha Removal at Mukwonago, WI OxiPlus 75 Pilot Test report dated February 13, 2023. The raw water and treated water characteristics and anticipated removal percentages based on the pilot testing are summarized in Table 12 and Table 13 for Well No. 3 and Well No. 4 respectively. The treatment system for Well No. 3 will be designed to remove approximately 97 percent of Ra-226, 64 percent of Ra-228, and 96 percent of the Gross Alpha. The treatment system will also be designed to remove approximately 91 percent of the Iron.

Table 12: Well 3 Anticipated Raw and Treated Water Characteristics

Criteria	Iron, mg/L			Gross Alpha, pCi/L			Ra-226, pCi/L			Ra-228, pCi/L			Uranium, mg/L		
	Raw	Treated	%	Raw	Treated	%	Raw	Treated	%	Raw	Treated	%	Raw	Treated	%
Minimum	0.15	0.01	93%	16.0	0.061	100%	4.38	0	100%	0.618	0.134	78%	0	0.250	--
Average	0.20	0.02	91%	20.4	0.831	96%	5.03	0.172	97%	1.019	0.366	64%	0.187	0.256	0%
Maximum	0.23	0.02	91%	28.5	2.19	92%	5.63	0.434	92%	1.420	0.771	46%	0.273	0.265	3%

Table 13: Well 4 Anticipated Raw and Treated Water Characteristics

Criteria	Iron, mg/L			Gross Alpha, pCi/L			Ra-226, pCi/L			Ra-228, pCi/L			Uranium, mg/L		
	Raw	Treated	%	Raw	Treated	%	Raw	Treated	%	Raw	Treated	%	Raw	Treated	%
Minimum		0.02			0.873			0.375			0.394			0.365	
Average	0.19	0.02	89%	26.2	1.392	95%	4.53	0.594	87%	2.1	0.539	74%	0.4	0.382	5%
Maximum		0.02			1.910			0.980			0.752			0.398	

The treatment system for Well No. 4 will be designed to remove approximately 87 percent of Ra-226, 74 percent of Ra-228, and 95 percent of the Gross Alpha. The treatment system will also be designed to remove approximately 89 percent of the Iron.

The water model was used to estimate the flow rate from Well No. 3 through the existing transmission main and filters to the existing reservoir at Well No. 3. The water model indicated low pressure can be expected in the raw water transmission main. A pressure sustaining valve may be necessary to provide adequate positive pressure in the buried raw water transmission main as required by NR 811.37 (1) for Well No. 3. Using the water model, a pressures sustaining valve with a setting of 10 psi resulted in a pressure of approximately 7 psi at the high point grade elevation along the transmission main route. The water model predicted a flow rate of 937 gpm from Well No. 3. The HMO filtration system for Well No. 3 will be designed to accommodate flows ranging from 850 gpm to 950 gpm. The exact location of a pressure sustaining valve will be determined during detailed design.

Sep 08, 2023 8:13am PLOTTED BY: whanacraft, SAVED BY: whanacraft
D:\CADD_2018\12\Jingge.dwg\kxwango\10169 Wells 3 and 4 Radium Removal\dwg\Figure 6 -- Well No.4 -- Alternative Proposed Site Plan.dwg Well No. 4 Site Plan Alt. 2
XREFS: 6: 31M NW SQUARE_Full Color-Print.jpg

RM1117LB

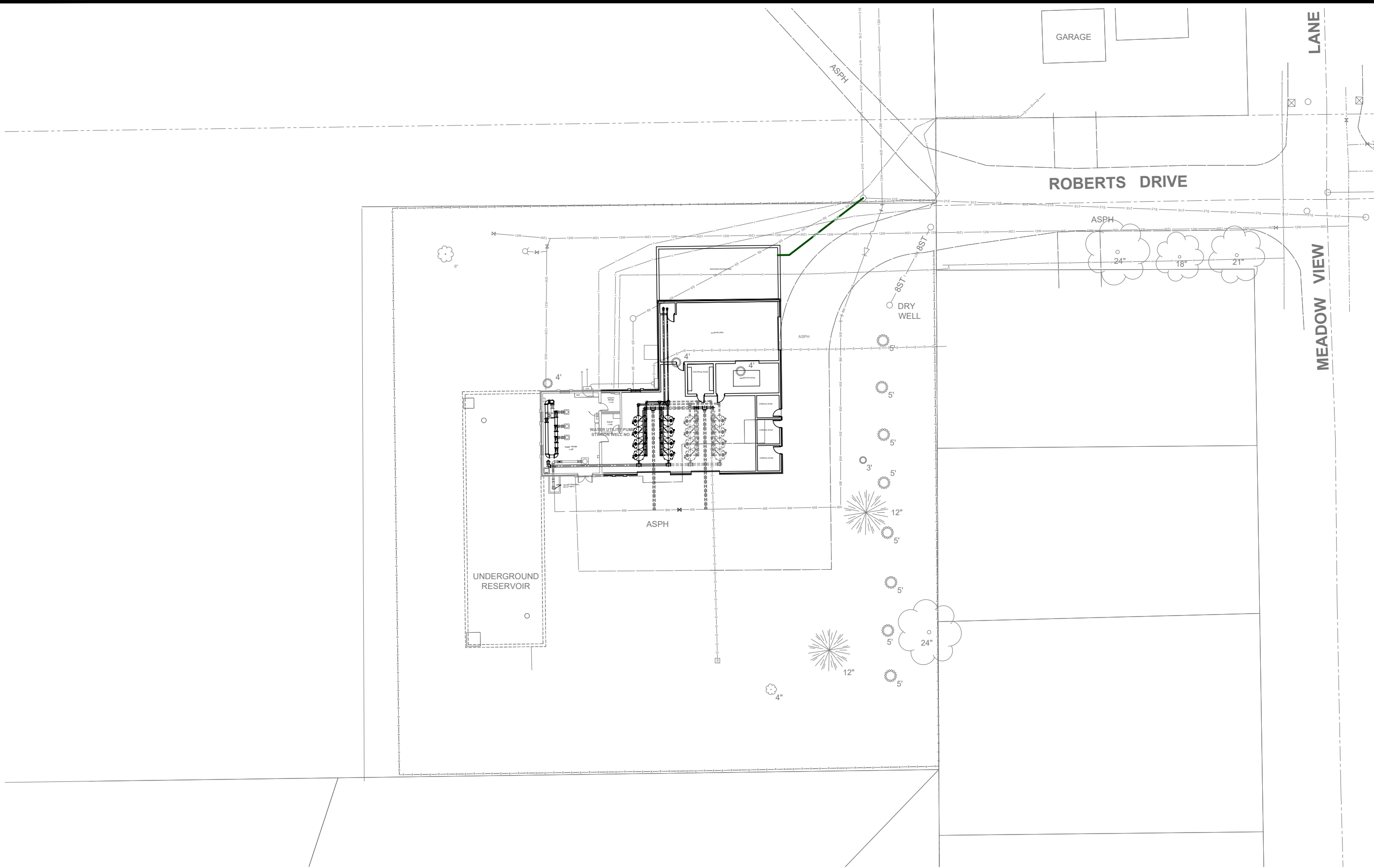


FIGURE 6
WELL NO. 4 SITE PLAN

20 0 10 20 40 FT



SOURCE:
BASEMAP SOURCE:

Well No. 4 is anticipated to discharge at an approximate flow rate of 950 to 1,000 gpm. The treated water outlet piping for the HMO treatment system will be designed to be elevated above the filters to provide suitable back pressure for the filters and to ensure adequate positive pressure in the discharge piping. The piping adjacent to the filters will be designed approximately 10 feet above finished floor adjacent to the filters. The HMO treatment system for Well No. 4 will be designed to accommodate flows ranging from 900 to 1,000 gpm.

The HMO treatment process will have smooth end sampling taps for obtaining a raw water sample, a treated water sample, a filtered water sample, and a potable water sample. The piping will be arranged to allow the well pump to be used as the backwash supply. The piping arrangement for Well No. 4 will be modified to allow the well to discharge to the existing transmission main and will also allow Well No. 4 pump to be pumped to waste without chemicals being added.

The groundwater treatment system will include a vertical pressure filtration system. The filtration system will consist of four (16) 54-inch diameter vertical pressure filters. The filtration system will be designed to allow backwashing individual filters sequentially while the remaining filters are in service, or be removed from service for backwashing. The filters will be backwashed individually using the well pump as the source of supply. Chemically treated well water will enter each filter through a 4-inch diameter inlet. The filtration rate at for the filters will range from 6.68 gpm/sq.ft. to 7.86 gpm per square foot with raw water flows ranging from 850 to 1,000 gpm.

Each filter will be equipped with a 36-inch deep OxiPlus 75 catalytic media bed. Each filter will have a supporting bed consisting of separate layers of sand/gravel ranging in size from 1/16 to 1/2-inches.

Each filter will have a 4-inch filtered water effluent pipe connection, one access manway located at the top of the filter, and one access manway located on the side of the filter. Water supplied during backwash will be filtered water, and water will be supplied at a rate of 25 gpm/sf.

Backwash waste will be discharged from the filter through a 4-inch diameter pipeline to a backwash waste catch basin located in a room separate from the storage area. The Backwash Waste Room will be equipped with an exhaust fan that will minimize release of radon gas into the well station.

The backwash frequency is determined based on radium and uranium activity requirements for discharge to a sanitary sewer. The backwash waste is not anticipated to have significant uranium activity. The combined radium activity will be limited to less than 600 pCi/l in the backwash waste based on the unity equation. The unity equation is as follows:

$$(\text{Avg. Ra-226 pCi/l} \div 600) + (\text{Avg. Ra-228 pCi/l} \div 600) + (\text{Avg. total uranium} \div 3,000) \leq 1$$

Backwash waste will be discharged to a backwash storage tank. The anticipated maximum backwash rate will be approximately 400 gpm. The volume of water generated by backwashing sixteen filters is 31,800 gallons. The backwash storage tank will be designed to hold two complete backwashes and have a minimum capacity of 63,600 gallons. The maximum volume of water treated prior to backwashing will be limited to 24 hours of operation for each well, approximately 1,296,000 gallons for Well No. 3 and 1,440,000 gallons for Well No. 4.

An HMO storage and feed system will be provided. The HMO storage and feed system will be designed to accommodate premixed HMO chemical delivery. The HMO storage and feed system will include a HMO storage tank, storage tank mixer, chemical scale, chemical feed water pump, and metering pump. The metering pump will be designed to provide an HMO dose of 1.0 mg/l of pre-formed HMO (as Mn) to the raw water prior to filtration.

A common chlorine room will be provided to house a pre-filtration chlorine feed system and a future post-filtration chlorine system. A pre-filtration chlorine feed system will be provided to oxidize iron and manganese, maintain a charge on the catalytic filter media and provide a free available chlorine residual through the filters. The pre-filtration gas chlorination feed system will be designed to provide a dose of 1.0-2.0 mg/l of free chlorine. Space for a post-filtration gas chlorination system will be provided to increase the free available chlorine prior to discharge to the reservoirs if needed in the future. Space for the post-filtration chlorine feed system will be designed based on the equipment needed to provide a dose of 0.5-2.0 mg/l of free chlorine.

Filtered water will be discharged to the existing ground storage reservoir. The existing 8-inch diameter inlet piping to the reservoir will be replaced with 12-inch diameter piping to accommodate flow rates up to 1,900 gpm.

A third vertical turbine service pump will be provided to increase the reliable capacity of the pumping equipment to the distribution system. The water model was used with two pumps in operation (firm capacity) to determine if the existing discharge piping to the distribution system is suitable for operation of two booster pumps. The water model indicated the existing piping is suitable for a combined flow of 2,020 gpm with a discharge pressure at the pumps of 79 psi. The discharge piping for the service/booster pumps will be modified to allow for the installation of a magnetic flow meter to measure and record the amount of flow pumped to the distribution system.

A new electrical room will be provided to house a new motor control center and power distribution and control system equipment. Variable Frequency Drive (VFD) units will be provided for the Well Pump and service/booster pumps at Well No. 4. Each VFD will be equipped with active front end technology or a passive harmonic filter to allow the existing engine generator to be relocated and reused. A new generator room will be provided to house the existing generator. The existing weather protective enclosure will be removed from the engine generator and the generator will be installed in the new generator room.

The plumbing and HVAC for the existing pump room will be replaced. The existing electric unit heaters will be replaced with natural gas unit heaters.

The existing brick on the exterior of the pump room will be removed and replaced with new brick to match the brick installed on the new building addition.

General improvements to the pumphouse for Well No. 3 will be performed. The general improvements include replacement of the cement stucco ceiling with a moisture resistant gypsum board ceiling, and replacement of the existing power distribution system and control wiring system.

Water main work for the discharges of Wells No. 5 and No. 6 will be performed to allow direct discharge to the distribution system. Currently the water from Wells No. 5 and No. 6 is discharged to the blending transmission main. This blending transmission main will be re-purposed to convey water from Well No. 3 to site of Well No. 4 as a raw water transmission main. Piping revisions at the site of Well No. 6 and at the intersection of CTH "NN" and the access road to Well No. 5 would be performed to allow discharge directly to the water distribution system. The connection to the existing blending transmission main would remain in the event that blending is required with the water discharged from Well No. 3.

PROJECT COSTS

The construction costs of the Well No. 3 & Well No. 4 HMO Treatment Facilities is estimated to be \$7,308,400. The total capital cost for the recommended project including engineering is estimated to be \$8,058,400. It is anticipated that the project will be financed with a loan from the WDNR Safe Drinking Water Loan Program.

PROJECT IMPLEMENTATION

The recommend plan involves construction of an HMO filtration treatment system for Wells No. 3 and No. 4. The proposed improvements will be constructed while the existing water system is kept in service. This will require careful considerations in terms of construction sequence and schedule. The project schedule will be governed by regulatory requirements and the sequence of construction. A tentative schedule for implementation of the recommended plan is shown in Table 14.

Table 14: Project Schedule

Task	Implementation Date
Submit Pre-Design Study to WDNR	September 2023
Start Preparation of Plans and Specifications	November 2023
Submit Safe Drinking Water Loan Application	June 30, 2024
Prepare and Submit PSC Construction Authorization	June 30, 2024
Submit Plans and Specifications to WDNR for Review	June 30, 2024
Receive WDNR Approval of Plans and Specifications	September 2024
Advertise for Bids	December 2024
Receive Bids	January 14, 2025
Award Contract	March 2025
Submit Executed Contracts to WDNR	April 2025
Start Construction	April 2025
Complete Construction	June 2026

Appendix A:
HMO Pilot Study Report



WATER SURPLUS®

RADIUM & GROSS ALPHA REMOVAL AT MUKWONAGO, WI



**REPORT PREPARED FOR
Village of Mukwonago & Ruekert & Mielke Inc**





February 19, 2023

Wayne Castle
Utilities Director
Village of Mukwonago
262-441-1366

Subject: Pilot test report for Radium removal at Mukwonago, WI using OxiPlus⁷⁵
catalytic filter media

Wayne,

WaterSurplus is pleased to present the Village of Mukwonago with the enclosed pilot test report. The contents of this report include:

- Demonstrate the high loading rate performance of the OxiPlus⁷⁵ catalytic filter media with Hydrous Manganese Oxide (HMO) for radium reduction.
- Show the operating characteristics of an OxiPlus⁷⁵ system like backwash rate, run time to exhaustion, and pressure drop characteristics.
- Establish performance standards at a loading rate to match the design predicted for the catalytic filter system.
- Test the proposed HMO feed rate for effectiveness at radium removal at Wells 3 & 4.

This report demonstrates the efficiency of the OxiPlus¹² filter system for radium and gross alpha removal at the Village of Mukwonago. If you have any questions, or require additional information, please feel free to contact me at your convenience.

Respectfully submitted,

Katie Bohrman

WATERSURPLUS

Loves Park, IL 61111

www.watersurplus.com

Contents

I. BACKGROUND & PURPOSE.....	4
II. PILOT TEST DESCRIPTION AND PROCEDURES.....	4
III. RESULTS.....	5
Table 1. Summary of average field data from Hach test from all five filter runs.	6
Table 2. Summary of lab analyzed data from well 3.	7
Table 3. Summary of lab analyzed data from well 4.	8
Figure 1. Iron Removal at well 3.	8
Figures 2 & 3. Radium and Gross Alpha Removal at Well 3.	9
IV. ADDITIONAL CONSIDERATIONS.....	10
CHLORINE REQUIREMENT	10
BACKWASH VOLUME	10
V. CONCLUSIONS.....	11
VI. APPENDICES.....	11

I. BACKGROUND & PURPOSE

The contaminants of concern at Mukwonago's well 3 and 4 are combined radium²²⁶⁺²²⁸ and gross alpha. The maximum contaminant levels (MCLs) for combined radium and gross alpha are 5 pCi/L and 15 pCi/L, respectively. Levels above these are considered hazardous to human health.

Pyrolusite media- OxiPlus⁷⁵- uses an adsorption process in conjunction with a hydrous manganese oxide (HMO) feed to remove these harmful contaminants from the water. The reaction is very efficient, and the loading rate can be 2x the traditional rate. This NSF-61 certified material has been installed in over 500 municipal drinking water treatment facilities across the United States. Loading rates are generally between 6 and 10 gpm/ft² with some plants being designed at rates up to 15 gpm/ft². High treatment loading rate means smaller system footprint for a given flow.

To test the performance of OxiPlus⁷⁵ at Mukwonago, a pilot test was conducted at their wells 3 and 4. The loading rate planned for the test (7.47 gpm/ft²) was representative of 1,900 gpm combined flow through a treatment system consisting of four 16-54" diameter filter vessels.

The outcome of the test was that Gross Alpha and combined radium were reduced to near zero as shown in the results section.

II. PILOT TEST DESCRIPTION AND PROCEDURES

The goal of the test was to have three (3) filter runs backwash at well 3 and one filter run at well 4. The target flow rate through the filter was 4.07 gpm. This equates to the proposed loading rate of 7.47 gpm/ft² on the 0.545 ft² pilot column. The unity equation was conservatively calculated to stay within acceptable limits of radium and uranium that can be acceptable to discharge to sanitary sewer. It was determined that a backwash after 24 hours would be acceptable.

During each run, target objectives were to:

- Use the data log provided by WaterSurplus to document pilot test data and observations.
- Use Hach test kits about every two hours (or as often as possible) to measure influent and effluent free residual chlorine, iron, and manganese. Iron was used as an indicator for radium removal in the filter.
- Collect samples daily to send a certified lab to document the radium and gross alpha removal efficiency of treatment with time on-line.
- Feed HMO to achieve 1 ppm Mn ahead of the filter to remove radium.
- Feed sodium hypochlorite to the system. Target residual free chlorine after the pilot column should be 0.3 ppm or higher.

- Verify that 5 minutes of backwash produces clear water prior to stopping the backwash.
- Treat iron to below the SMCL of 0.30 mg/L and treat manganese to below the secondary MCL of 0.05 mg/L.
- Summarize data with tables, figures, and text after testing is complete.

The pilot unit consisted of a 10" diameter FRP tank system with a 36" bed depth of OxiPlus¹² media and gravel underbedding. A Fleck control valve allowed forward flow or backwash flow during the pilot test. A chemical feed system with a 26 -gallon tank fed the sodium hypochlorite for oxidizing contaminants in the water to the insoluble filterable forms and keeping the media bed oxidized. A second chemical feed was used for the addition of HMO prior to the filter column.

The sodium hypochlorite feed consisted of a dilute 7.5% NaOCl solution- 2 liters into 25 gallons- with the pump set between 5-10 gpd. For the HMO feed, 3% tonkasorb was used- approximately 2 gallons was added to 15 gallons of water. The pump was kept between 5-10 gpd and adjusted so that 1ppm of manganese was measured ahead of the filter.



III. RESULTS

Summaries of field and lab data can be found in the following pages.

Table 1. Summary of average field data from Hach test from all five filter runs.

Run	Filter Run Time (hours)	Flow rate (gpm)	delta P	Iron (ppm)		Mn (ppm)			Free Residual Cl		
				Raw	Treated	Raw	Inlet*	Treated	Inlet	Outlet	Delta
1	24	4.0	2.3	0.23	0.02	0.036	1.100	0.074	>2.00	0.59	1.38
2	16	4.0	2.0	0.21	0.02	0.026	1.086	0.048	1.75	0.59	1.16
3	24	4.0	2.5	0.15	0.01	0.019	1.038	0.021	1.86	0.76	1.11
4	24	3.9	2.0	0.19	0.02	0.030	1.074	0.019	1.75	0.83	0.92
Well 3 Averages		4.0	2.2	0.20	0.02	0.028	1.075	0.040	1.79	0.69	1.14
Well 4 averages from one 24-hour filter run		4.0	4	0.19	0.02	0.026	1.063	0.025	>2	0.95	1.21

*This measurement was used to verify target HMO dose

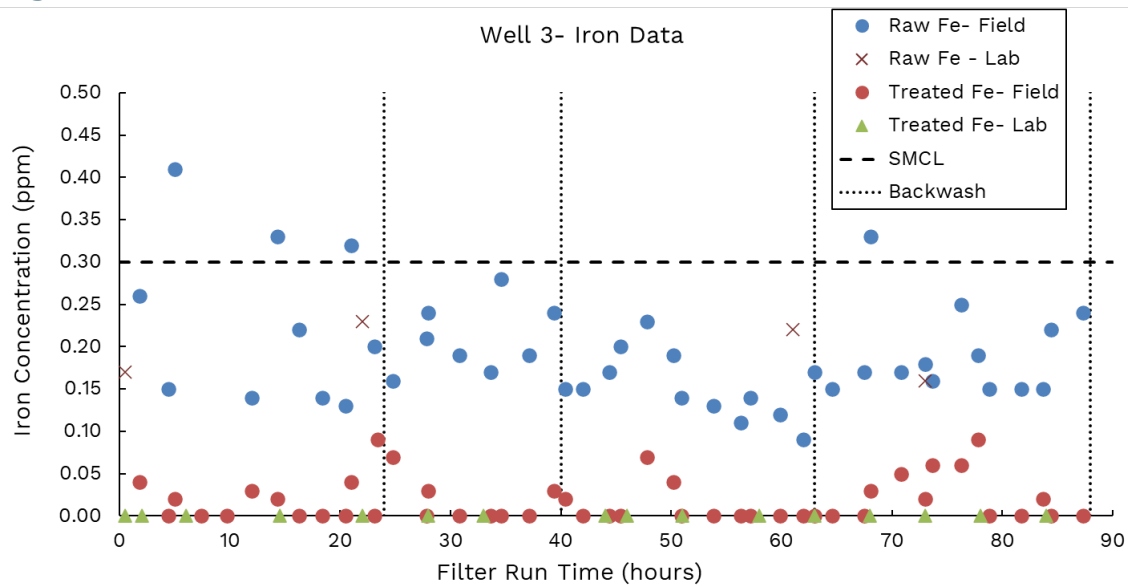
Table 2. Summary of lab analyzed data from well 3.

	Date	Radioactivity, Gross Alpha (including Uranium & Radon)	Radioactivity, Gross Alpha (excluding Uranium & Radon)	Radium 226, total	Radium 228, total	Uranium
Raw	11/8/2022	17.2 ± 2.00	17.2	5.63 ± 1.66	0.618 ± 0.352	0.00 ± 0.00
	11/14/2022	28.7 ± 4.48	28.5	4.81 ± 1.05	0.989 ± 0.336	0.265 ± 0.006
	11/21/2022	16.1 ± 2.01	16	4.39 ± 1.06	1.05 ± 0.364	0.208 ± 0.005
	11/28/2022	19.9 ± 3.83	19.7	5.31 ± 1.07	1.42 ± 0.392	0.273 ± 0.007
		20.5 ± 3.27	20.4	5.04 ± 1.24	1.02 ± 0.36	0.187 ± 0.005
Treated	11/8/2022	2.36 ± 1.54	2.19	0.000 ± 0.206	0.375 ± 0.279	0.250 ± 0.005
	11/9/2022			-0.131 ± 0.257	0.0627 ± 0.266	
	11/10/2022			0.258 ± 0.399	0.209 ± 0.268	
	11/11/2022			-0.0734 ± 0.249	0.134 ± 0.263	
	11/14/2022	0.235 ± 1.21	0.061	0.240 ± 0.235	0.637 ± 0.323	0.260 ± 0.006
	11/15/2022			0.227 ± 0.222	0.771 ± 0.316	
	11/16/2022			0.413 ± 0.306	0.369 ± 0.294	
	11/17/2022			0.170 ± 0.248	0.425 ± 0.315	
	11/18/2022			0.103 ± 0.143	0.140 ± 0.230	
	11/21/2022	0.586 ± 0.960	0.408	0.0693 ± 0.235	0.236 ± 0.310	0.265 ± 0.006
	11/22/2022			0.134 ± 0.263	0.134 ± 0.231	
	11/23/2022			0.0625 ± 0.368	0.203 ± 0.267	
	11/25/2022			0.000 ± 0.435	0.249 ± 0.258	
	11/28/2022	0.831 ± 1.31	0.664	0.434 ± 0.301	0.446 ± 0.291	0.250 ± 0.006
	11/29/2022			0.124 ± 0.244	0.562 ± 0.261	
	11/30/2022			-0.0539 ± 0.236	0.229 ± 0.219	
		1.003 ± 1.27	0.831	0.124 ± 0.290	0.324 ± 0.276	0.26 ± 0.005

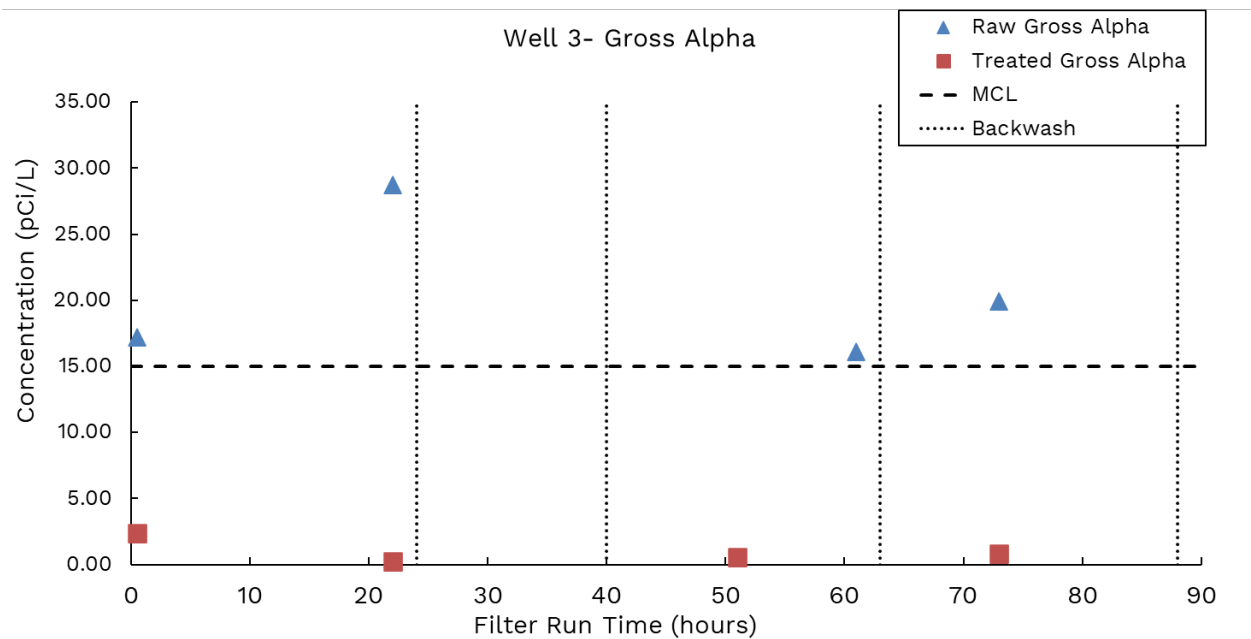
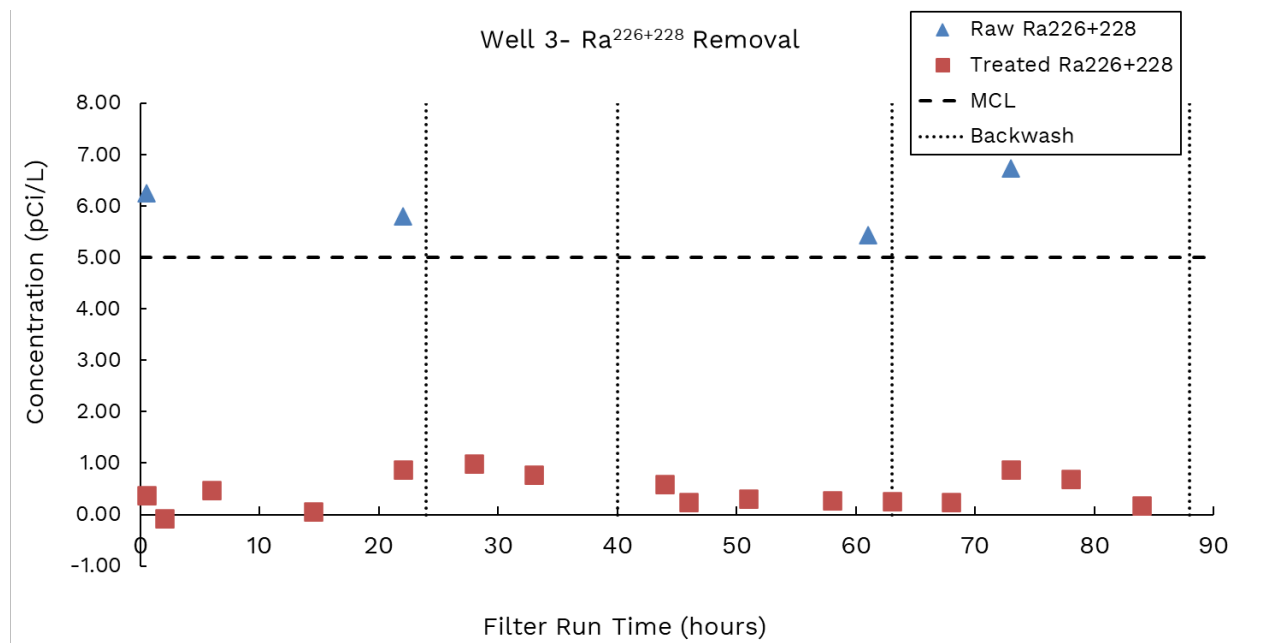
Table 3. Summary of lab analyzed data from well 4.

ID	Date	Radioactivity, Gross Alpha (including Uranium & Radon)	Radioactivity, Gross Alpha (excluding Uranium & Radon)	Radium 226, total	Radium 228, total	Uranium
Raw	12/7/2022	26.5 ± 4.24	26.2	4.53 ± 1.50	2.10 ± 0.427	0.401 ± 0.010
Treated	12/7/2022	1.14 ± 1.15	0.873	0.375 ± 0.368	0.550 ± 0.298	0.398 ± 0.011
	12/8/2022			0.517 ± 0.599	0.394 ± 0.306	
	12/9/2022			0.492 ± 0.455	0.600 ± 0.341	
	12/12/2022	2.15 ± 1.46	1.91	0.980 ± 0.784	0.752 ± 0.368	0.365 ± 0.010
	12/13/2022			0.608 ± 0.659	0.397 ± 0.313	
	Treated Average	1.65 ± 1.31	1.39	0.597 ± 0.661	0.539 ± 0.365	0.382 ± 0.007

Figure 1. Iron Removal at well 3.



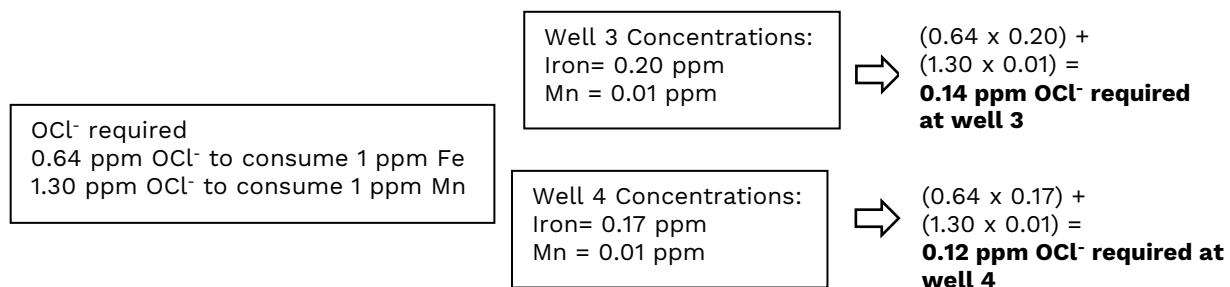
Figures 2 & 3. Radium and Gross Alpha Removal at Well 3.



IV. ADDITIONAL CONSIDERATIONS

CHLORINE REQUIREMENT

Iron, manganese, and hydrogen sulfide consume a predictable amount of residual free chlorine (RFC) during the oxidation and filtration process. Other constituents such as total organic carbon (TOC), can exert additional chlorine demand. The calculation below is a minimum amount of what will be consumed. The raw iron and manganese are averaged from the lab data.



The calculated free chlorine requirement should be added to the desired residual in the distribution system. Keep in mind the addition of HMO adds to this requirement, which accounts for the high free chlorine consumption measured in the field during the pilot test.

BACKWASH VOLUME

The calculation for backwash volume for the new proposed system is shown below. Note the backwash rate for OxiPlus²⁵ is 25 gpm/ft², for 5 minutes per vessel.

System: sixteen (16) – 54” diameter vessels (each vessel has 15.9 ft² of filtration surface area)

Backwash waste per vessel:	25 gpm/ft ² x 15.9 ft ² x 5 minutes = 1,987.5 gallons
Total backwash waste:	1,987.5 gallons x 16 vessels = 31,800 gallons

Additional items to consider are:

- It is recommended that capacity is available for two complete backwash cycles.

V. CONCLUSIONS

1. The OxiPlus⁷⁵ pilot test demonstrated successful removal of combined radium and gross alpha to below the MCLs at both the well 3 and well 4 sites (see below). Treatment was consistent throughout the entirety of each 24-hour filter run.

	Radium ²²⁶⁺²²⁸ (pCi/L)		Radioactivity, Gross Alpha (including Uranium & Radon) (pCi/L)	
	Raw	Treated	Raw	Treated
Well 3	6.06	0.448	20.5	1.003
Well 4	6.63	1.136	26.5	1.65

2. Both iron and manganese levels at wells 3 and 4 are below the SMCLs of 0.3 ppm and 0.05 ppm and are not of significant concern. Raw iron at both wells was near 0.2 ppm and was treated to 0.02 ppm. Raw manganese was 0.03 ppm, and was 0.025-0.04 ppm coming out of the filter. This is due to the addition of 1 ppm Mn as HMO ahead of the filter for radium removal. This dosing will be optimized during plant operation to continue to meet radium removal goals while keeping Mn in the effluent near-zero.

3. The average flow rate during the test was 4 gpm, which equates to 7.34 gpm/ft² through the 0.545 ft² pilot unit.

$$\frac{4 \text{ gpm}}{0.545 \text{ ft}^2} = 7.34 \text{ gpm/ft}^2$$

The loading rate planned for the test was slightly higher (7.47 gpm/ft²), and was representative of 1,900 gpm through a treatment system consisting of sixteen (16) 54" diameter filter vessels (each with 15.9 ft² surface area).

$$\frac{1,900 \text{ gpm}}{15.9 \text{ ft}^2 \times 16 \text{ vessels}} = 7.47 \text{ gpm/ft}^2$$

The slight deviation between these two rates is not enough to significantly affect the removal efficiency demonstrated during the test.

4. If only flow from well 4 was to be treated (1000 gpm), we would recommend a system consisting of eight (8)- 54" diameter filter vessels to treat at 7.86 gpm/ft² (calculation below). This system could alternate between treating well 3 and well 4.

$$\frac{1,000 \text{ gpm}}{15.9 \text{ ft}^2 \times 8 \text{ vessels}} = 7.86 \text{ gpm/ft}^2$$

5. Alternatively, horizontal vessels can be considered in addition to the vertical vessels. Options for horizontal vessels with similar loading rates are below:

1,000 gpm (well 4) - one 8' diameter x 18' OAL vessel at 7.81 gpm/ft²

1,900 gpm (wells 3 and 4)- one 10' diameter x 26' OAL vessel at 7.92 gpm/ft²

VI. APPENDICES

pg 1

Log Sheet - Pilot Study

Plant: Well #3

Location: _____

* manual valve opened/closed

Document backwash (time, duration, water temp), samples taken for lab (ID and time), and other noteworthy items in margin

Measure/record product outlet every 2 hours, increase sampling frequency when approaching breakthrough

"Breakthrough": two consecutive outlet samples ≥ 0.15 ppm Fe or 0.03 ppm Mn. Backwash when breakthrough is achieved

Desired free chlorine in product outlet is 0.5-1.0 ppm (minimum of 0.3ppm)

Send 1 sample of raw water and 2-3 product outlet samples to lab for analysis weekly

Take care in recording time data. Use time of day or well run hours, as long as at the time a sample is taken it is clear how many hours the pilot has been running since last backwash

Date	* Start Run Time	* End Run Time	Sample Time	Cumulative hours run time since last backwash	Flow Rate (gpm)	PSI		Iron (mg/L)			Manganese (mg/L)			Free Chlorine (mg/L)		Total Chlorine (mg/L)	
						Inlet	Outlet	Raw	Inlet	Outlet	Raw	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
10-8	641.8		642	0.2	4.1	34	32				1.366	1.366	0.079		0.16		
11-9	643.2		643.6	1.8	4.0	33	31	0.26		0.04	0.019	0.632	0.010	+++	0.47	+++	0.82
11-9	643.8											1.046	0.017				
	646.2		646.2	4.4	3.9	34	32	0.15	+++	0.00		1.046	0.017	+++	0.89		
11/10			646.8	5.0	3.9	35	33	0.41		0.02	0.080	0.966	0.016	+++	0.78	+++	1.06
			649.2	7.4	3.9	34	32			0.00		1.056	0.011	+++	0.92		
			651.7	9.7	3.9	34	32			0.00		0.966	0.003	1.98	0.47	+++	1.07
			654.0	12.0	3.9	34	32	0.14		0.03		1.162	0.003	+++	0.74	+++	1.06
11/11			656.3	14.3	4.1	31	28	0.33		0.02	0.019	0.986	0.096	+++	0.45	+++	0.94
			658.3	16.3	4.1	31	28	0.22		0.00		0.926	0.013	2.20	0.70		
			660.4	18.4	4.1	31	28	0.14		0.00		1.530	0.025	+++	0.61	+++	1.02
			662.5	20.5	4.0	31	28	0.13		0.00		1.322	0.023	2.60	0.88	3.06	0.97
11/14			663.0	21.0	4.1	32	29	0.32		0.04	0.024	1.312	0.039	1.22	0.62	1.54	0.82
			665.1	23.1	4.0	32	29	0.20		0.00		1.036	0.007	2.15	0.59	1.11	0.59
	30 min		665.4	23.4						0.09			0.690		0.15		
	2 min									0.03			0.031		0.13		
			666.2	23.8	4.1	47	46	0.16		0.07	0.015	1.128	0.031	2.03	0.43	0.43	0.41
			669.2	3.8	4.1	34	32	0.21		0.00		1.308	0.022	1.620	0.43	3.520	0.82
11/15			669.4	4.0	4.0	36	34	0.24		0.03	0.014	1.070	0.045	1.56	0.68	2.22	0.89
			672.2	6.8	4.0	36	34	0.19		0.00		0.966	0.019	1.54	0.64	3.14	0.98
			675.0	9.6	4.0	37	35	0.17		0.00		0.662	0.029	2.30	0.51	2.64	0.96
11/16			676.0	10.6	4.0	36	34	0.22		0.00	0.031	+++	0.027	1.42	0.73	1.76	0.95
			678.5	13.1	4.0	36	34	0.19		0.00		+++	0.042	1.50	0.82	1.73	

IMO + 5gal &
8gpd → 6gpd
CI
6gpd → 9gpd

CI - 8 gpd

CI - 7.8 gpd

Backwash

with filter

Log Sheet - Pilot Study

Plant: Well #3Location:

Document backwash (time, duration, water temp), samples taken for lab (ID and time), and other noteworthy items in margin

Measure/record product outlet every 2 hours, increase sampling frequency when approaching breakthrough

"Breakthrough": two consecutive outlet samples 20.15 ppm Fe or 0.03 ppm Mn. Backwash when breakthrough is achieved

Desired free chlorine in product outlet is 0.5-1.0 ppm (minimum of 0.3ppm)

Send 1 sample of raw water and 2-3 product outlet samples to lab for analysis weekly

Take care in recording time data. Use time of day or well run hours, as long as at the time a sample is taken it is clear how many hours the pilot has been running since last backwash

*manual valve opened/closed

Date	* Start Run Time	* End Run Time	Sample Time	Cumulative hours run time since last backwash	Flow Rate (gpm)	PSI		Iron (mg/L)			Manganese (mg/L)			Free Chlorine (mg/L)		Total Chlorine (mg/L)	
						Inlet	Outlet	Raw	Inlet	Outlet	Raw	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
11/16			680.8	15.4	4.0	36	33	0.24	0.17	0.03	0.042	1.38	0.165	2.00	0.46	2.04	0.82
11/17	682.8	30 sec								0.04			0.191		0.08		
		2 min								0.00			0.045		0.39		
			683.2	0.4	4.0	35	33	0.15		0.03	0.025	1.486	0.038	1.38	0.50	1.65	0.74
			685.2	2.0	4.0	35	33	0.15		0.00		1.362	0.024	1.24	0.59		
			687.2	4.4	3.9	35	33	0.17		0.00		1.349	0.023	1.48	0.60	1.72	0.80
11/18			688.2	5.4	3.9	36	34	0.20		0.00	0.032	1.076	0.050	1.76	0.46	1.80	0.71
			690.6	7.8	3.9	36	34	0.23		0.07		1.106	0.028	1.95	0.92		
			693.0	10.2	4.0	34	32	0.19		0.04		0.952	0.022	1.39	0.84	2.10	1.04
11/21			693.7	10.9	4.0	35	32	0.14		0.00	0.023	0.928	0.017	3.18	0.83	3.32	1.06
			696.6	13.8	4.0	35	32	0.13		0.00		1.31	0.020	1.84	0.84	2.00	1.12
			699.1	16.3	3.9	35	33	0.11		0.00		0.924	0.020	2.30	0.81	2.56	1.19
11/22			700.0	17.2	4.1	41	38	0.14		0.00	0.003	0.946	0.011	2.62	0.78	2.78	1.05
			702.7	19.9	4.1	42	39	0.12		0.00		1.18	0.031	1.88	0.79	2.10	0.97
			704.8	22.0	4.1	42	39	0.09		0.00		0.818	0.000	2.22	1.16	2.74	1.18
11/23			705.8	23.0	4.1	42	39	0.17		0.00	0.011	0.896	0.006	1.80	0.81	2.06	1.41
11/23			708.2	25.4													
		30 sec								0.00			0.087		0.15		
		2 min								0.01			0.025		0.33		
11/23			708.8	0.6	4.0	46	44	0.15		0.00	0.016	0.764	0.024	1.18	0.40	1.85	0.86
			711.7	3.5	3.9	46	44	0.17		0.00		1.382	0.017	2.74	1.00	3.74	1.22
11/25			712.3	4.1	4.0	46	44	0.33		0.03	0.022	0.844	0.036	1.36	0.78	2.14	1.14
			715.0	6.8	4.1	44	42	0.17		0.05	0.008	1.012	0.029	1.92	0.90	2.19	1.14

Backwash

Backwash @ 1105 am

pg 2

793

Iron(Fe)

manganese (Mn)

~~0.002~~

Inlet-outlet Inlet Outlet

Free (Cl)

Total (Cl)

213

11/25			717.2	9.0	4.1	45	43	0.18		0.02		0.964	0.016	1.30	0.75	1.98	1.09
11/28			717.9	9.7	4.0	46	44	0.16		0.06	0.022	0.994	0.006	1.78	0.75	2.36	1.12
			7205	12.3	3.9	46	44	0.25		0.06		1.218	0.024	1.72	1.11	2.30	1.25
			7220	13.8	3.9	46	44	0.19		0.09		1.10	0.012	2.34	1.03	3.02	1.21
11/29			723.0	14.8	4.1	44	42	0.15		0.00	0.028	0.944	0.024	1.64	0.75	2.09	0.94
			725.9	17.7	4.0	45	43	0.15		0.00		0.908	0.008	1.85	0.88	2.05	1.01
			727.9	19.7	4.0	45	43	0.15		0.02		1.074	0.025	1.64	0.86	2.66	1.01

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 01/16/23 Page 1 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 397563

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Product NLS ID: 1353283

COC: :1 Matrix: DW

Collected: 12/12/22 10:20 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	2.15 +/- 1.46	pCi/L		2.4		01/03/23	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	1.91	pCi/L	1		/ 15	01/05/23	EPA 900.0	999407970
Radium 226, total	0.980 +/- 0.784	pCi/L		0.44	/ 5.0	01/13/23	EPA 903.1	999407970
Radium 228, total	0.752 +/- 0.368	pCi/L		0.67	/ 5.0	01/12/23	EPA 904.0	999407970
Uranium	0.365 +/- 0.010	ug/L		0.32	/ 30	01/05/23	ASTM D5174.97	999407970

Product NLS ID: 1353284

COC: :2 Matrix: DW

Collected: 12/13/22 00:00 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.608 +/- 0.659	pCi/L		0.93	/ 5.0	01/13/23	EPA 903.1	999407970
Radium 228, total	0.397 +/- 0.313	pCi/L		0.63	/ 5.0	01/12/23	EPA 904.0	999407970

Raw Water NLS ID: 1353667

COC: :1 Matrix: DW

Collected: 12/12/22 10:20 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.19]	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	8.4	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

Product NLS ID: 1353668

COC: :2 Matrix: DW

Collected: 12/12/22 10:20 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	[3.7]	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

Inlet NLS ID: 1353669

COC: :4 Matrix: DW

Collected: 12/12/22 10:20 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.095]	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	240	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

Product NLS ID: 1353670

COC: :5 Matrix: DW

Collected: 12/13/22 00:00 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 01/16/23 Page 2 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 397563

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:



Authorized by:
R. T. Krueger
President

For Terms and Conditions please see www.nslslab.com

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 01/16/23 Page 1 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 397561

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Raw Water NLS ID: 1353277

COC: :1 Matrix: DW

Collected: 12/07/22 11:30 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	26.5 +/- 4.24	pCi/L		2.6		01/03/23	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	26.2	pCi/L	1		/ 15	01/05/23	EPA 900.0	999407970
Radium 226, total	4.53 +/- 1.50	pCi/L		0.96	/ 5.0	01/13/23	EPA 903.1	999407970
Radium 228, total	2.10 +/- 0.427	pCi/L		0.58	/ 5.0	01/12/23	EPA 904.0	999407970
Uranium	0.401 +/- 0.010	ug/L		0.32	/ 30	01/05/23	ASTM D5174.97	999407970

Product NLS ID: 1353278

COC: :2 Matrix: DW

Collected: 12/07/22 11:30 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	1.14 +/- 1.15	pCi/L		2.2		01/03/23	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	0.873	pCi/L	1		/ 15	01/05/23	EPA 900.0	999407970
Radium 226, total	0.375 +/- 0.368	pCi/L		0.25	/ 5.0	01/13/23	EPA 903.1	999407970
Radium 228, total	0.550 +/- 0.298	pCi/L		0.56	/ 5.0	01/12/23	EPA 904.0	999407970
Uranium	0.398 +/- 0.011	ug/L		0.32	/ 30	01/05/23	ASTM D5174.97	999407970

Product NLS ID: 1353279

COC: :3 Matrix: DW

Collected: 12/08/22 09:15 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.517 +/- 0.599	pCi/L		0.93	/ 5.0	01/13/23	EPA 903.1	999407970
Radium 228, total	0.394 +/- 0.306	pCi/L		0.62	/ 5.0	01/12/23	EPA 904.0	999407970

Product NLS ID: 1353280

COC: :4 Matrix: DW

Collected: 12/09/22 10:00 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.492 +/- 0.455	pCi/L		0.60	/ 5.0	01/13/23	EPA 903.1	999407970
Radium 228, total	0.600 +/- 0.341	pCi/L		0.66	/ 5.0	01/12/23	EPA 904.0	999407970

Raw Water NLS ID: 1353662

COC: :1 Matrix: DW

Collected: 12/07/22 11:30 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.15]	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	7.2	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

Inlet NLS ID: 1353663

COC: :2 Matrix: DW

Collected: 12/07/22 11:30 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.11]	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	280	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 01/16/23 Page 2 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 397561

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Product NLS ID: 1353664

COC: :3 Matrix: DW

Collected: 12/07/22 11:30 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

Product NLS ID: 1353665

COC: :4 Matrix: DW

Collected: 12/08/22 09:15 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	[2.5]	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

Product NLS ID: 1353666

COC: :5 Matrix: DW

Collected: 12/09/22 10:00 Received: 12/14/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/21/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	12/21/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/19/22	EPA 180.1	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:



Authorized by:
R. T. Krueger
President

For Terms and Conditions please see www.nslslab.com

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 01/05/23 Page 1 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 396946

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Product NLS ID: 1351646

COC: :1 Matrix: DW

Collected: 11/25/22 09:35 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/07/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	12/07/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/05/22	EPA 180.1	721026460

Raw NLS ID: 1351647

COC: :2 Matrix: DW

Collected: 11/28/22 10:15 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.16]	mg/L	1	0.063	0.21	12/07/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	[5.6]	ug/L	1	2.0	6.7	12/07/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/05/22	EPA 180.1	721026460

Inlet NLS ID: 1351648

COC: :3 Matrix: DW

Collected: 11/28/22 10:15 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.10]	mg/L	1	0.063	0.21	12/07/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	230	ug/L	1	2.0	6.7	12/07/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/05/22	EPA 180.1	721026460

Product NLS ID: 1351649

COC: :4 Matrix: DW

Collected: 11/28/22 10:15 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/07/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	12/07/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/05/22	EPA 180.1	721026460

Product NLS ID: 1351650

COC: :5 Matrix: DW

Collected: 11/29/22 08:45 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/07/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	12/07/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/05/22	EPA 180.1	721026460

Product NLS ID: 1351651

COC: :6 Matrix: DW

Collected: 11/30/22 08:30 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	12/07/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	[2.1]	ug/L	1	2.0	6.7	12/07/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	12/05/22	EPA 180.1	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 01/05/23 Page 2 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 396946

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Product NLS ID: 1351706

COC: :7 Matrix: DW

Collected: 11/25/22 09:35 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.000 +/- 0.435	pCi/L		0.92	/ 5.0	12/27/22	EPA 903.1	999407970
Radium 228, total	0.249 +/- 0.258	pCi/L		0.54	/ 5.0	01/04/23	EPA 904.0	999407970

Raw NLS ID: 1351707

COC: :8 Matrix: DW

Collected: 11/28/22 10:15 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	19.9 +/- 3.83	pCi/L		2.9		12/20/22	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	19.7	pCi/L	1		/ 15	12/23/22	EPA 900.0	999407970
Radium 226, total	5.31 +/- 1.07	pCi/L		0.50	/ 5.0	12/27/22	EPA 903.1	999407970
Radium 228, total	1.42 +/- 0.392	pCi/L		0.62	/ 5.0	01/04/23	EPA 904.0	999407970
Uranium	0.273 +/- 0.007	ug/L		0.32	/ 30	12/15/22	ASTM D5174.97	999407970

Product NLS ID: 1351708

COC: :9 Matrix: DW

Collected: 11/28/22 10:15 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	0.831 +/- 1.31	pCi/L		2.8		12/21/22	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	0.664	pCi/L	1		/ 15	12/23/22	EPA 900.0	999407970
Radium 226, total	0.434 +/- 0.301	pCi/L		0.15	/ 5.0	12/27/22	EPA 903.1	999407970
Radium 228, total	0.446 +/- 0.291	pCi/L		0.57	/ 5.0	01/04/23	EPA 904.0	999407970
Uranium	0.250 +/- 0.006	ug/L		0.32	/ 30	12/15/22	ASTM D5174.97	999407970

Product NLS ID: 1351709

COC: :10 Matrix: DW

Collected: 11/29/22 08:45 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.124 +/- 0.244	pCi/L		0.46	/ 5.0	12/27/22	EPA 903.1	999407970
Radium 228, total	0.562 +/- 0.261	pCi/L		0.46	/ 5.0	01/04/23	EPA 904.0	999407970

Product NLS ID: 1351710

COC: :11 Matrix: DW

Collected: 11/30/22 08:45 Received: 12/03/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	-0.0539 +/- 0.236	pCi/L		0.58	/ 5.0	12/27/22	EPA 903.1	999407970
Radium 228, total	0.229 +/- 0.219	pCi/L		0.45	/ 5.0	01/04/23	EPA 904.0	999407970

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:



Authorized by:
R. T. Krueger
President

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 12/21/22 Page 1 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 396673

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study PWS# 26802094

Raw Water NLS ID: 1350698

COC: :1 Matrix: DW

Collected: 11/21/22 08:30 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	16.1 +/- 2.01	pCi/L		1.9		12/15/22	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	16	pCi/L	1		/ 15	12/19/22	EPA 900.0	999407970
Radium 226, total	4.39 +/- 1.06	pCi/L		0.58	/ 5.0	12/20/22	EPA 903.1	999407970
Radium 228, total	1.05 +/- 0.364	pCi/L		0.63	/ 5.0	12/19/22	EPA 904.0	999407970
Uranium	0.208 +/- 0.005	ug/L		0.32	/ 30	12/06/22	ASTM D5174.97	999407970

Product NLS ID: 1350699

COC: :3 Matrix: DW

Collected: 11/21/22 08:30 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	0.586 +/- 0.960	pCi/L		1.8		12/15/22	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	0.408	pCi/L	1		/ 15	12/19/22	EPA 900.0	999407970
Radium 226, total	0.0693 +/- 0.235	pCi/L		0.51	/ 5.0	12/20/22	EPA 903.1	999407970
Radium 228, total	0.236 +/- 0.310	pCi/L		0.67	/ 5.0	12/19/22	EPA 904.0	999407970
Uranium	0.265 +/- 0.006	ug/L		0.32	/ 30	12/06/22	ASTM D5174.97	999407970

Product NLS ID: 1350700

COC: :4 Matrix: DW

Collected: 11/22/22 09:00 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.134 +/- 0.263	pCi/L		0.50	/ 5.0	12/20/22	EPA 903.1	999407970
Radium 228, total	0.134 +/- 0.231	pCi/L		0.51	/ 5.0	12/19/22	EPA 904.0	999407970

Product NLS ID: 1350701

COC: :5 Matrix: DW

Collected: 11/23/22 08:45 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.0625 +/- 0.368	pCi/L		0.75	/ 5.0	12/20/22	EPA 903.1	999407970
Radium 228, total	0.203 +/- 0.267	pCi/L		0.58	/ 5.0	12/19/22	EPA 904.0	999407970

Raw Water NLS ID: 1350972

COC: :1 Matrix: DW

Collected: 11/21/22 08:30 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	0.22	mg/L	1	0.063	0.21	11/30/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	6.7	ug/L	1	2.0	6.7	11/30/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/30/22	EPA 180.1	721026460

Inlet NLS ID: 1350973

COC: :2 Matrix: DW

Collected: 11/21/22 08:30 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.19]	mg/L	1	0.063	0.21	12/07/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	690	ug/L	1	2.0	6.7	12/07/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	3.8	NTU	1	1.0*	1.0*	11/30/22	EPA 180.1	721026460
Metals digestion - tot. recov.ICP	yes					12/02/22	EPA 200.7	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 12/21/22 Page 2 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 396673

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study PWS# 26802094

Product NLS ID: 1350974

COC: :3 Matrix: DW

Collected: 11/21/22 08:30 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/30/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	13	ug/L	1	2.0	6.7	11/30/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/30/22	EPA 180.1	721026460

Product NLS ID: 1350975

COC: :4 Matrix: DW

Collected: 11/22/22 09:00 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/30/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	11/30/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/30/22	EPA 180.1	721026460

Product NLS ID: 1350976

COC: :5 Matrix: DW

Collected: 11/23/22 08:45 Received: 11/23/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/30/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	11/30/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/30/22	EPA 180.1	721026460

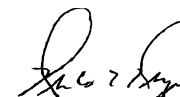
Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:



Authorized by:
R. T. Krueger
President

For Terms and Conditions please see www.nslslab.com

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 12/19/22 Page 1 of 3

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 396466

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Raw Water NLS ID: 1350136

COC: :1 Matrix: DW

Collected: 11/14/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	28.7 +/- 4.48	pCi/L		2.4		12/09/22	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	28.5	pCi/L	1		/ 15	12/15/22	EPA 900.0	999407970
Radium 226, total	4.81 +/- 1.05	pCi/L		0.53	/ 5.0	12/14/22	EPA 903.1	999407970
Radium 228, total	0.989 +/- 0.336	pCi/L		0.55	/ 5.0	12/14/22	EPA 904.0	999407970
Uranium	0.265 +/- 0.006	ug/L		0.32	/ 30	12/06/22	ASTM D5174.97	999407970

Product NLS ID: 1350137

COC: :3 Matrix: DW

Collected: 11/14/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	0.235 +/- 1.21	pCi/L		2.7		12/09/22	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	0.061	pCi/L	1		/ 15	12/15/22	EPA 900.0	999407970
Radium 226, total	0.240 +/- 0.235	pCi/L		0.16	/ 5.0	12/14/22	EPA 903.1	999407970
Radium 228, total	0.637 +/- 0.323	pCi/L		0.61	/ 5.0	12/14/22	EPA 904.0	999407970
Uranium	0.260 +/- 0.006	ug/L		0.32	/ 30	12/06/22	ASTM D5174.97	999407970

Product NLS ID: 1350138

COC: :4 Matrix: DW

Collected: 11/15/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.227 +/- 0.222	pCi/L		0.15	/ 5.0	12/14/22	EPA 903.1	999407970
Radium 228, total	0.771 +/- 0.316	pCi/L		0.56	/ 5.0	12/14/22	EPA 904.0	999407970

Product NLS ID: 1350139

COC: :5 Matrix: DW

Collected: 11/16/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.413 +/- 0.306	pCi/L		0.16	/ 5.0	12/14/22	EPA 903.1	999407970
Radium 228, total	0.369 +/- 0.294	pCi/L		0.59	/ 5.0	12/14/22	EPA 904.0	999407970

Product NLS ID: 1350140

COC: :6 Matrix: DW

Collected: 11/17/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.170 +/- 0.248	pCi/L		0.42	/ 5.0	12/14/22	EPA 903.1	999407970
Radium 228, total	0.425 +/- 0.315	pCi/L		0.63	/ 5.0	12/14/22	EPA 904.0	999407970

Product NLS ID: 1350141

COC: :7 Matrix: DW

Collected: 11/18/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.103 +/- 0.143	pCi/L		0.14	/ 5.0	12/14/22	EPA 903.1	999407970
Radium 228, total	0.140 +/- 0.230	pCi/L		0.50	/ 5.0	12/14/22	EPA 904.0	999407970

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 12/19/22 Page 2 of 3

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 396466

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Raw Water NLS ID: 1350426

COC: :1 Matrix: DW

Collected: 11/14/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	0.23	mg/L	1	0.063	0.21	11/28/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	7.0	ug/L	1	2.0	6.7	11/28/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/23/22	EPA 180.1	721026460

Inlet NLS ID: 1350427

COC: :2 Matrix: DW

Collected: 11/14/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	0.22	mg/L	1	0.063	0.21	11/30/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	720	ug/L	1	2.0	6.7	11/30/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	5.9	NTU	1	1.0*	1.0*	11/23/22	EPA 180.1	721026460
Metals digestion - tot. recov.ICP	yes					11/29/22	EPA 200.7	721026460

Product NLS ID: 1350428

COC: :3 Matrix: DW

Collected: 11/14/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/28/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	11/28/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/23/22	EPA 180.1	721026460

Product NLS ID: 1350429

COC: :4 Matrix: DW

Collected: 11/15/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/28/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	65	ug/L	1	2.0	6.7	11/28/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/23/22	EPA 180.1	721026460

Product NLS ID: 1350430

COC: :5 Matrix: DW

Collected: 11/16/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/28/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	11/28/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/23/22	EPA 180.1	721026460

Product NLS ID: 1350431

COC: :6 Matrix: DW

Collected: 11/17/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/28/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	11/28/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/23/22	EPA 180.1	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 12/19/22 Page 3 of 3

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 396466

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Product NLS ID: 1350432

COC: :7 Matrix: DW

Collected: 11/18/22 00:00 Received: 11/18/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/28/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	11/28/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/23/22	EPA 180.1	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:



Authorized by:
R. T. Krueger
President

For Terms and Conditions please see www.nslslab.com

NORTHERN LAKE SERVICE, INC.
 Analytical Laboratory and Environmental Services
 400 North Lake Avenue - Crandon, WI 54520
 Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
 WDATCP Laboratory Certification No. 105-330
 EPA Laboratory ID No. WI00034

Printed: 12/16/22 Page 1 of 2

Client: Mukwonago Water Utility
 Attn: Wayne Castle
 440 River Crest Court
 Mukwonago, WI 53149 0206

NLS Project: 396082

NLS Customer: 100347

Fax: 262 363 6952 **Phone:** 262 363 6416

Project: Radium Pilot Study

Raw Water NLS ID: 1348946

COC: :1 Matrix: DW

Collected: 11/08/22 14:55 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	17.2 +/- 2.00	pCi/L		1.7		12/02/22	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	17.2	pCi/L	1		/ 15	12/15/22	EPA 900.0	999407970
Radium 226, total	5.63 +/- 1.66	pCi/L		0.35	/ 5.0	12/07/22	EPA 903.1	999407970
Radium 228, total	0.618 +/- 0.352	pCi/L		0.67	/ 5.0	12/07/22	EPA 904.0	999407970
Uranium	0.00 +/- 0.00	ug/L		1.0	/ 30	12/12/22	ASTM D5174.97	999407970

Product NLS ID: 1348947

COC: :3 Matrix: DW

Collected: 11/08/22 15:05 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radioactivity, Gross Alpha (including Uranium & Radon)	2.36 +/- 1.54	pCi/L		2.2		12/05/22	EPA 900.0	999407970
Radioactivity, Gross Alpha (excluding Uranium & Radon)	2.19	pCi/L	1		/ 15	12/12/22	EPA 900.0	999407970
Radium 226, total	0.000 +/- 0.206	pCi/L		0.49	/ 5.0	12/07/22	EPA 903.1	999407970
Radium 228, total	0.375 +/- 0.279	pCi/L		0.56	/ 5.0	12/07/22	EPA 904.0	999407970
Uranium	0.250 +/- 0.005	ug/L		0.32	/ 30	12/11/22	ASTM D5174.97	999407970

Product NLS ID: 1348948

COC: :4 Matrix: DW

Collected: 11/09/22 09:25 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	-0.131 +/- 0.257	pCi/L		0.71	/ 5.0	12/07/22	EPA 903.1	999407970
Radium 228, total	0.0627 +/- 0.266	pCi/L		0.61	/ 5.0	12/07/22	EPA 904.0	999407970

Product NLS ID: 1348949

COC: :5 Matrix: DW

Collected: 11/10/22 08:45 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	0.258 +/- 0.399	pCi/L		0.69	/ 5.0	12/07/22	EPA 903.1	999407970
Radium 228, total	0.209 +/- 0.268	pCi/L		0.58	/ 5.0	12/07/22	EPA 904.0	999407970

Product NLS ID: 1348950

COC: :6 Matrix: DW

Collected: 11/11/22 08:50 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Radium 226, total	-0.0734 +/- 0.249	pCi/L		0.68	/ 5.0	12/07/22	EPA 903.1	999407970
Radium 228, total	0.134 +/- 0.263	pCi/L		0.58	/ 5.0	12/07/22	EPA 904.0	999407970

Raw Water NLS ID: 1349337

COC: :1 Matrix: DW

Collected: 11/08/22 14:55 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.17]	mg/L	1	0.063	0.21	11/18/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	[5.4]	ug/L	1	2.0	6.7	11/18/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/16/22	EPA 180.1	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 12/16/22 Page 2 of 2

Client: Mukwonago Water Utility
Attn: Wayne Castle
440 River Crest Court
Mukwonago, WI 53149 0206

NLS Project: 396082

NLS Customer: 100347

Fax: 262 363 6952 Phone: 262 363 6416

Project: Radium Pilot Study

Inlet NLS ID: 1349338

COC: :2 Matrix: DW

Collected: 11/08/22 15:00 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	[0.13]	mg/L	1	0.063	0.21	11/18/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	120	ug/L	1	2.0	6.7	11/18/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/16/22	EPA 180.1	721026460

Product NLS ID: 1349339

COC: :3 Matrix: DW

Collected: 11/08/22 15:05 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/18/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	[2.5]	ug/L	1	2.0	6.7	11/18/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/16/22	EPA 180.1	721026460

Product NLS ID: 1349340

COC: :4 Matrix: DW

Collected: 11/09/22 09:25 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/18/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	[4.0]	ug/L	1	2.0	6.7	11/18/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/16/22	EPA 180.1	721026460

Product NLS ID: 1349341

COC: :5 Matrix: DW

Collected: 11/10/22 08:45 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/18/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	ND	ug/L	1	2.0	6.7	11/18/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/16/22	EPA 180.1	721026460

Product NLS ID: 1349342

COC: :6 Matrix: DW

Collected: 11/11/22 08:50 Received: 11/11/22

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
Iron, tot. recoverable as Fe by ICP	ND	mg/L	1	0.063	0.21	11/18/22	EPA 200.7, Rev 4.4	721026460
Manganese, tot. recoverable as Mn by ICP	46	ug/L	1	2.0	6.7	11/18/22	EPA 200.7, Rev 4.4	721026460
Turbidity, screening - SDWA	ND	NTU	1	1.0*	1.0*	11/16/22	EPA 180.1	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:



Authorized by:
R. T. Krueger
President

Appendix B:
Methodology For Analyzing Capacities of
Ground Water Supplied Systems

APPENDIX B

Methodology for Analyzing Capacities of Groundwater Supplied Systems

System capacity is expressed using the following four criteria:

1. Well Pump Capacity
2. Peak Hour Storage Capacity
3. Fire Flow Storage Capacity
4. Emergency Supply Capacity

These capacities are determined by comparing average day and peak day pumpage volumes against combinations of well, pumping and storage volumes. A description of each criteria and a sample calculation follow. For the sample calculation, it will be assumed that a water utility has the following facilities:

Unit Well 1

Includes a 500 gpm (0.72 MGD) well pump which discharges directly to the distribution system. A natural gas-fueled engine and right-angle drive unit can operate the well pump during electric power outages.

Unit Well 2

Includes a 300 gpm (0.43 MGD) well pump which discharges into an on-site reservoir having a gross storage volume of 400,000 gallons. Three 400 gpm service pumps draw water from the reservoir and discharge to the distribution system. An on-site diesel-fueled engine-generator set has enough capacity to operate the entire facility during electric power outages.

Unit Well 3

Includes a 750 gpm (1.08 MGD) well pump which discharges directly to the distribution system. No equipment is on-site to operate the pump during electric power outages.

Elevated Storage

A spheroid-style tank has a gross capacity of 250,000 gallons and a total head range of 31 feet.

The projected average day and peak day pumpages are 0.50 MG and 0.90 MG, respectively. The recommended fire flow supply is 3500 gpm (5.04 MGD) for 3 hours.

Well Pump Capacity

There should be sufficient well pump capacity to supply the peak day pumpage volume with the largest capacity well pump inoperable.

Many utilities have distribution systems which are separated into pressure zones. Transfer stations are required to allow controlled transfer of water between pressure zones. Transfer stations may include pumps, meters and controllable valves. Without transfer stations, excess well capacity within one pressure zone would not be available to satisfy water demands in other pressure zones. It will be assumed that transfer stations exist or will be constructed to allow transferring water between pressure zones at rates sufficient to allow continuous operation of all well pumps.

Example calculation. There are a total of 3 wells having capacities of 300 gpm, 500 gpm and 750 gpm. Assuming the 750 gpm pump is inoperable, the remaining capacity is $300 + 500 = 800 \text{ gpm} = 1.15 \text{ MGD}$. If the needed peak day pumpage is 0.90 MG, the surplus available is $1.15 - 0.90 = 0.25 \text{ MGD}$.

Peak Hour Storage Capacity

One purpose of storage is to have water available to meet limited duration peak water demand rates.

Storage can be provided by an elevated tank, in which case it will be assumed that the rate at which the tank can supply water is unlimited. Repump storage refers to tanks from which pumps draw suction and discharge to the distribution system. For repump storage, the rate at which water can be delivered to the distribution system is determined by the aggregate capacity of the pumps. The volume a repump storage tank can provide is determined by the aggregate pump-out rate and the time period during which the pumps operate.

Water demand typically varies over any 24 hour long period, with higher demand rates normally occurring during the day and lower rates at night. This means that on the day of peak demand for the year, there will be time periods during which the demand rate exceeds the average rate for the peak day.

The storage volume needed to satisfy the Peak Hour Storage criteria is defined as the difference between the Peak Hour rate and the Peak Day rate for a duration of 4 hours. A Peak Hour rate of 2.0 times the Peak Day rate will be used for small systems. A Peak Hour rate of 1.75 times Peak Day rate will be used for larger systems identified as Class AB by the Wisconsin Public Service Commission.

Example calculation. The Peak Hour rate would be $2 \times \text{Peak Day rate}$ or $2 \times 0.90 \text{ MGD} = 1.80 \text{ MGD}$. The difference between the Peak Hour rate and the Peak Day rate is $1.80 - 0.90 = 0.90 \text{ MGD}$. The needed volume is determined by the 4 hour duration or $0.90 \times 4/24 = 0.15 \text{ MG}$.

If the aggregate well capacity exceeds the Peak Day demand rate, the surplus well capacity is available to help satisfy the Peak Hour Storage criteria. In the example, there is a surplus 0.25 MGD of well capacity. The volume available over a 4 hour period is $0.25 \text{ MG} \times 4/24 = 0.04 \text{ MG}$.

Usable storage volume for a repump tank is assumed to be 75% of gross volume.

For Unit Well 2, the aggregate service pump rate is $3 \times 400 \text{ gpm} = 1200 \text{ gpm}$. The input rate is 300 gpm, so the net pump-out rate is $1200 - 300 = 900 \text{ gpm} = 1.30 \text{ MGD}$. The net pump-out volume over a 4 hour period is $1.30 \times 4/24 = 0.22 \text{ MG}$. The usable storage volume is $0.40 \text{ MG} \times 0.75 = 0.30 \text{ MG}$. The usable storage volume exceeds the net volume which can be pumped from the reservoir during the 4 hour time period. The lesser of these volumes (0.22 MG) can be assigned to meet the Peak Hour Storage criteria.

For elevated storage tanks, it will be assumed that the available storage volume is that contained in the top 20 feet of the tank head range less 10 percent.

For the example 250,000 gallon spheroid tank, the volume contained in the top 20 feet of head range is 0.19 MG. Ninety percent of this volume is 0.17 MG.

The total volume available to satisfy the Peak Hour Storage criteria is therefore $0.04 + 0.22 + 0.17 = 0.43 \text{ MG}$. The needed volume is 0.15 MG, so the available surplus is $0.43 - 0.15 = 0.28 \text{ MG}$.

Fire Flow Storage Capacity

The Insurance Services Office (ISO) is a private firm which, among other activities, assists insurance carriers with determining appropriate premium amounts for various types of insurance. The ISO publishes guidelines which include recommended needed fire flow supplies for individual buildings. The recommended fire flow supply for a building is based on its size, materials of construction and other

factors. For most community water systems, the recommended fire flow supply is 3500 gpm for 3 hours. For very small systems, the recommended supply is 2500 gpm for 2 hours.

To calculate the needed Fire Flow Storage volume, it will be assumed that a 4 hour long Peak Hour demand rate is followed by a fire flow demand. During the fire flow demand period, the assumed concurrent demand will be the peak day demand rate. For the example, the needed Fire Flow Storage volume is calculated as follows:

$$(\text{Peak Hour Rate} \times 4/24) + (\text{Fire Flow Rate} \times \text{Fire Flow Duration}) + (\text{Peak Day Rate} \times \text{Fire Flow Duration}) \\ = (1.80 \times 4/24) + (5.04 \times 3/24) + (0.90 \times 3/24) = 1.04 \text{ MG.}$$

The volume available to satisfy the needed Fire Flow Storage includes pumpage from wells, pumps drawing from repump storage tanks and elevated tanks. For wells, it is assumed that the largest capacity well is inoperable. For elevated tanks, the usable volume is that contained in the top 55 feet of head range less 10 percent. For the example, the usable elevated tank storage volume would be $0.25 \times 0.90 = 0.22 \text{ MG}$.

Similar to the calculations for repump storage for the Peak Hour Storage criteria, available repump storage may be limited by either the usable storage volume or by the ability of the pumps to empty the tank within the available time period. The usable volume is assumed to be 75% of the gross volume, or, for the example, $0.40 \text{ MG} \times 0.75 = 0.30 \text{ MG}$. For the example, the aggregate repump capacity is $1200 - 300 = 900 \text{ gpm} = 1.30 \text{ MGD}$. The time duration is 7 hours, so the pump-out capacity is $1.30 \times 7/24 = 0.38 \text{ MG}$. Since the usable tank volume is only 0.30 MG, this smaller volume is the quantity available.

For the example, the total available Fire Flow Storage volume is calculated as follows:

Aggregate Well Pump Capacity + Repump Storage Volume + Elevated Tank Volume

$$(0.72 + 0.43) \times 7/24 + 0.30 + 0.22 = 0.86 \text{ MG}$$

Surplus Fire Flow Storage Volume = $0.86 - 1.04 = -0.18 \text{ MG}$. The negative sign indicates a deficiency.

Emergency Supply Capacity

The needed Emergency Supply Capacity is assumed to be an average day pumpage. Only elevated storage and pumping facilities equipped with auxiliary power are available to satisfy the Emergency Supply Capacity. In the example, Unit Wells 1 and 2 are equipped with auxiliary power. Unit 1 is simply an engine directly driving the well pump which discharges into the distribution system. Its capacity is the well capacity of $500 \text{ gpm} = 0.72 \text{ MGD}$.

At Unit Well 2, an engine-generator set has sufficient capacity to power the entire station. The station capacity available to satisfy the Emergency Supply criteria is the well capacity ($300 \text{ gpm} = 0.43 \text{ MGD}$) plus the available storage volume. The available storage volume is the lesser of the usable volume or the net pump-out volume, which is the aggregate pump-out capacity minus the well capacity over the one day duration. For the example, the usable volume is 75% of the gross volume ($0.40 \text{ MG} \times 0.75 = 0.30 \text{ MG}$), which is less than the net pump-out volume of $1200 - 300 = 900 \text{ gpm} = 1.30 \text{ MG}$.

Elevated storage available to satisfy the Emergency Supply criteria is that contained in the top 55 feet of head range less 10 percent. For the example, this is $0.25 \times 0.90 = 0.22 \text{ MG}$.

So, for the example, the available Emergency Supply is $0.72 + 0.43 + 0.30 + 0.22 = 1.67$

Surplus capacity = $1.67 - 0.50 = 1.17 \text{ MG}$.

Appendix C: Capacity Analysis Calculations

Village of Mukwonago
2022 average and maximum day volumes

Average Day Pumpage (MG):	0.75
Peak Day Pumpage (MG):	1.75
Peak Hour/Peak Day ratio	2.00
Fire Flow Rate (gpm):	3500
Fire Flow Duration (hr):	3
Elevated tank overflow elevation (ft. amsl):	
Highest elevation served by tank (ft. amsl):	
Gross elevated storage volume (MG):	1.00
Available nonemergency elevated storage volume (MG):	0.66
Available emergency elevated storage volume (MG):	0.90
Transfer capacity into zone (MGD):	

Total Well Pump Capacity (MGD):	2.82	24 hours per day pumping
Largest Well Pump Capacity (MGD):	1.01	24 hours per day pumping
Total Less Largest Well Pump Capacity (MGD):	1.36	18 hours per day pumping
Well Pump Surplus Capacity (MGD):	-0.39	
Surplus Peak Hour Storage (MG):	0.61	
Surplus Fire Flow Storage (MG):	0.11	
Surplus Emergency Supply (MGD):	3.21	

Unit Well I.D. #	3								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.22									0.00	0.00	0.00	
Emergency power	0.22									0.00			0.00
Unit Well I.D. #	4								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.22			1.22	1.22				0.33	0.25	0.25	0.25	
Emergency power	0.22			1.22	1.22				0.33	0.25			0.25
Unit Well I.D. #	5								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	1.01									0.00	0.00	0.00	
Emergency power	1.01									0.00			0.00
Unit Well I.D. #	6								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.43									0.00	0.00	0.00	
Emergency power	0.43									0.00			0.00
Unit Well I.D. #	7								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.94									0.00	0.00	0.00	
Emergency power	0.94									0.00			0.00

The most critical source is Well 5. Water from Wells 5 & 6 normally is blended with that from Wells 3 & 4, which contain radium. If Well 5 is inoperable, only Well 6 is available to blend with Wells 3 & 4. The analysis assumes Well 5 is inoperable, so the combined discharge rates of Wells 3 & 4 is reduced to match remaining Well 6.

Village of Mukwonago
Future 2040 Demand

Average Day Pumpage (MG):	0.93
Peak Day Pumpage (MG):	1.95
Peak Hour/Peak Day ratio	2.09
Fire Flow Rate (gpm):	3500
Fire Flow Duration (hr):	3
Elevated tank overflow elevation (ft. amsl):	
Highest elevation served by tank (ft. amsl):	
Gross elevated storage volume (MG):	1.00
Available nonemergency elevated storage volume (MG):	0.66
Available emergency elevated storage volume (MG):	0.90
Transfer capacity into zone (MGD):	

Total Well Pump Capacity (MGD):	3.60	24 hours per day pumping
Largest Well Pump Capacity (MGD):	1.44	24 hours per day pumping
Total Less Largest Well Pump Capacity (MGD):	1.62	18 Hours per day pumping
Well Pump Surplus Capacity (MGD):	-0.33	
Surplus Peak Hour Storage (MG):	0.47	
Surplus Fire Flow Storage (MG):	0.07	
Surplus Emergency Supply (MGD):	3.81	

Unit Well Data

Unit Well I.D. #	3								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.91									0.00	0.00	0.00	
Emergency power	0.91									0.00			0.00
Unit Well I.D. #	4								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	1.44			1.22	1.22				0.33	0.25	0.17	0.25	
Emergency power	1.44			1.22	1.22				0.33	0.25			0.25
Unit Well I.D. #	5								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.82								0.00		0.00	0.00	
Emergency power	0.82								0.00				0.00
Unit Well I.D. #	6								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.43								0.00		0.00	0.00	
Emergency power	0.43								0.00				0.00
Unit Well I.D. #	7								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.00								0.00		0.00	0.00	
Emergency power	0.00								0.00				0.00

235

Village of Mukwonago
Future 2040 Demand

Average Day Pumpage (MG):	1.14
Peak Day Pumpage (MG):	2.38
Peak Hour/Peak Day ratio	2.00
Fire Flow Rate (gpm):	3500
Fire Flow Duration (hr):	3
Elevated tank overflow elevation (ft. amsl):	
Highest elevation served by tank (ft. amsl):	
Gross elevated storage volume (MG):	1.00
Available nonemergency elevated storage volume (MG):	0.66
Available emergency elevated storage volume (MG):	0.90
Transfer capacity into zone (MGD):	

Total Well Pump Capacity (MGD):	3.60	24 hours per day pumping
Largest Well Pump Capacity (MGD):	1.44	24 hours per day pumping
Total Less Largest Well Pump Capacity (MGD):	1.62	18 Hours per day pumping
Well Pump Surplus Capacity (MGD):	-0.76	
Surplus Peak Hour Storage (MG):	0.43	
Surplus Fire Flow Storage (MG):	-0.10	
Surplus Emergency Supply (MGD):	3.61	

Unit Well Data

Unit Well I.D. #	3								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.91									0.00	0.00	0.00	
Emergency power	0.91									0.00			0.00
Unit Well I.D. #	4								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	1.44			1.22	1.22				0.33	0.25	0.17	0.25	
Emergency power	1.44			1.22	1.22				0.33	0.25			0.25
Unit Well I.D. #	5								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.82								0.00		0.00	0.00	
Emergency power	0.82								0.00				0.00
Unit Well I.D. #	6								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.43								0.00		0.00	0.00	
Emergency power	0.43								0.00				0.00
Unit Well I.D. #	7								Gross Repump Storage Capacity (MG)	Available Repump Storage Capacity (MG)	Available Storage Volume		
	WP 1 Capacity (MGD)	WP 2 Capacity (MGD)	WP 3 Capacity (MGD)	SP 1 Capacity (MGD)	SP 2 Capacity (MGD)	SP 3 Capacity (MGD)	SP 4 Capacity (MGD)	SP 5 Capacity (MGD)			Peak Hour Volume (MG)	Fire Flow Volume (MG)	Emergency Volume (MGD)
Normal power	0.00								0.00		0.00	0.00	
Emergency power	0.00								0.00				0.00

236

Average Day Pumpage (MG):	0.93
Peak Day Pumpage (MG):	1.95
Peak Hour/Peak Day ratio	2.00
Fire Flow Rate (gpm):	3500
Fire Flow Duration (hr):	3
Elevated tank overflow elevation (ft. amsl):	
Highest elevation served by tank (ft. amsl):	
Gross elevated storage volume (MG):	1.00
Available nonemergency elevated storage volume (MG):	0.66
Available emergency elevated storage volume (MG):	0.90
Transfer capacity into zone (MGD):	

Total Well Pump Capacity (MGD):	4.39	24 hours per day pumping
Largest Well Pump Capacity (MGD):	1.44	24 hours per day pumping
Total Less Largest Well Pump Capacity (MGD):	2.21	18 Hours per day pumping
Well Pump Surplus Capacity (MGD):	0.26	
Surplus Peak Hour Storage (MG):	0.54	
Surplus Fire Flow Storage (MG):	0.27	
Surplus Emergency Supply (MGD):	4.60	

Unit Well Data

Treatment of water from Well 3 and Well 4 at Well Station No. 4. Capacity of Well 3 increases to 850 gpm. Capacity of Well 5 increases to 900 gpm.

Average Day Pumpage (MG):	1.14
Peak Day Pumpage (MG):	2.38
Peak Hour/Peak Day ratio	2.04
Fire Flow Rate (gpm):	3500
Fire Flow Duration (hr):	3
Elevated tank overflow elevation (ft. amsl):	
Highest elevation served by tank (ft. amsl):	
Gross elevated storage volume (MG):	1.00
Available nonemergency elevated storage volume (MG):	0.66
Available emergency elevated storage volume (MG):	0.90
Transfer capacity into zone (MGD):	

Total Well Pump Capacity (MGD):	4.39	24 hours per day pumping
Largest Well Pump Capacity (MGD):	1.44	24 hours per day pumping
Total Less Largest Well Pump Capacity (MGD):	2.21	18 Hours per day pumping
Well Pump Surplus Capacity (MGD):	-0.17	
Surplus Peak Hour Storage (MG):	0.41	
Surplus Fire Flow Storage (MG):	0.05	
Surplus Emergency Supply (MGD):	4.40	

Unit Well Data

Treatment of water from Well 3 and Well 4 at Well Station No. 4. Capacity of Well 3 increases to 850 gpm. Capacity of Well 5 increases to 900 gpm.



Agenda Cover Report

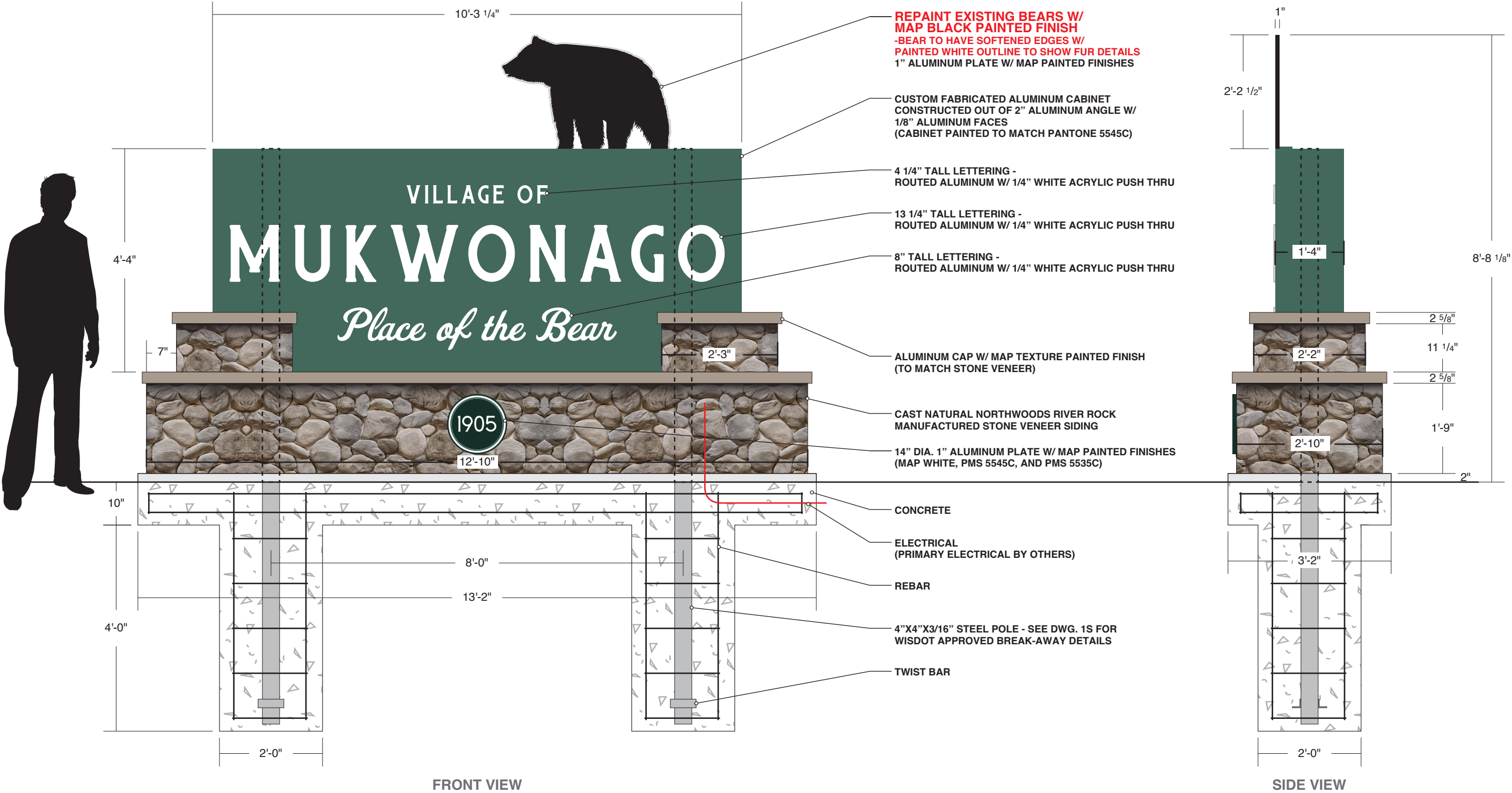
Date:	Committee/Board: Public Works Committee
Submitted by: Ron Bittner	Department: Public Works
Date of Committee Action: 6/5/24	Date of Village Board Action: 6/19/24

Subject: Discussion on changing the color of the bear on future gateway and wayfinding signs.
Executive Summary: Previous village board discussions lead to a color change for the “Bear” on the gateway signs. Staff received renderings for a Black and Brown bear for consideration. With the last primary sign still in production, there is an opportunity to include the change before installation.
Fiscal Impact: There is not a price increase for changing the color on the sign still in production.
Executive Recommendation/Action: Provide direction on the color selection for the STH 83 south primary entrance sign.

☐ **Attachments Included**

MONUMENT SIGN

PRIMARY ENTRANCE: FOOTING DETAILS



"We Project Your Image"

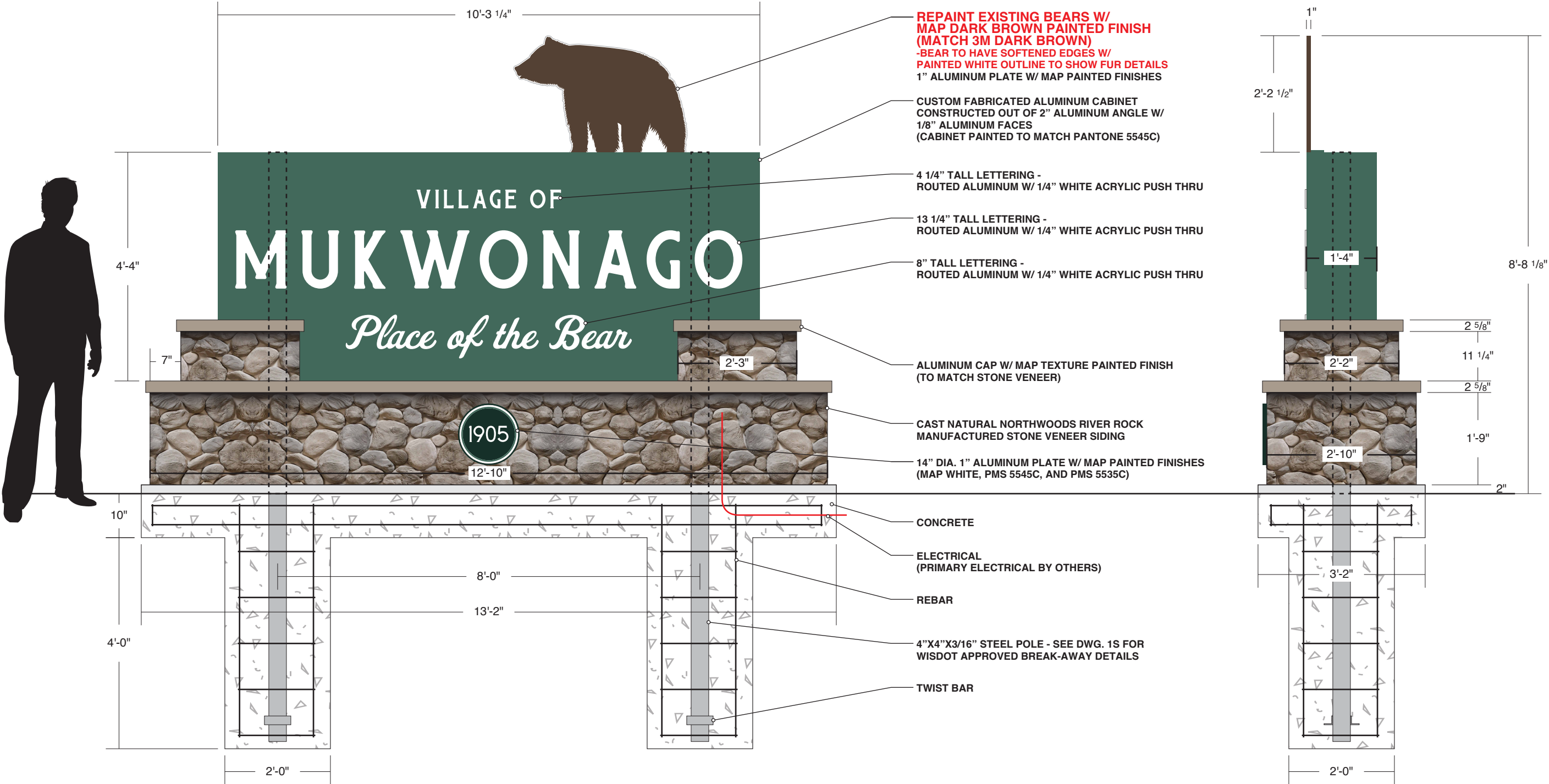
PH: (262) 554-6066
TOLL FREE: (800) 554-8110

Client: VILLAGE OF MUKWONAGO	Date: 6-7-23	REVISION		Illumination: ☐ NO ☒ YES TYPE LED ☒ SINGLE SIDED ☐ DOUBLE SIDED		Paint Colors (AkzoNobel): ☒ PANTONE 5545C ☒ PANTONE 5535C ☐ MAP WHITE ☒ MAP BLACK ☐ ☐ ☐	Vinyl Film Colors (3M Scotchcal): ☐ ☐ ☐ ☐ ☐ ☐	Client Signature: Signature _____ Date _____ NOTICE: Michael's Signs, Inc. does NOT provide primary electrical to sign location - RESPONSIBILITY OF OTHERS The ideas and designs contained in this original and unpublished drawing are the sole property of Michael's Signs, Inc. and MAY NOT BE USED OR REPRODUCED in whole or in part without written permission.
	Drawing #: 1(2)	1 7-31-23 ☐	Electrical Requirements: ☐ 120 ☐ 277	Quantity: 2				
Address: 440 RIVER CREST CT	Sheet: 1 of 1	2 5-20-24 ☐	Sign Specifications: NOTED ABOVE					
City, State: MUKWONAGO, WI 53149	Scale: 1/2"=1'	☐				☐		
Sales Rep: JUSTIN SILVA	Designer: KD	☐				☐		

NOTE: DUE TO THE PHYSICAL LIMITATIONS OF THE PAPER AND INK INVOLVED IN THIS PRINTING PROCESS, THIS CUSTOM ARTWORK IS NOT INTENDED TO PROVIDE AN EXACT MATCH TO THE ACTUAL FINISHED PAINTED PRODUCT.

MONUMENT SIGN

PRIMARY ENTRANCE: FOOTING DETAILS



"We Project Your Image"

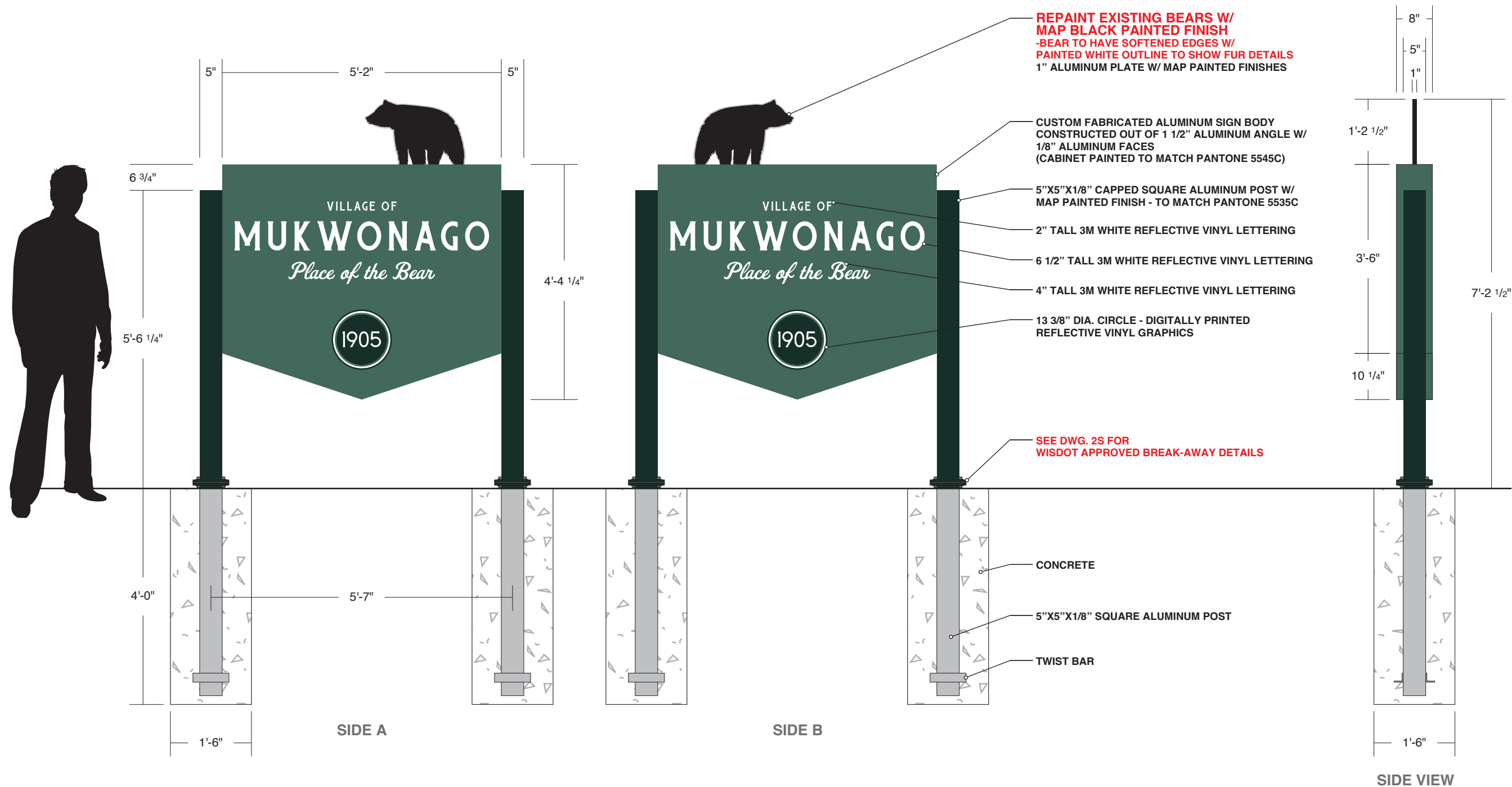
PH: (262) 554-6066
TOLL FREE: (800) 554-8110

Client: VILLAGE OF MUKWONAGO Address: 440 RIVER CREST CT City, State: MUKWONAGO, WI 53149 Sales Rep: JUSTIN SILVA	Date: 6-7-23	REVISION		ILLUMINATION: ☐ NO ☒ YES TYPE LED ☒ SINGLE SIDED ☐ DOUBLE SIDED	Paint Colors (AkzoNobel): PANTONE 5545C PANTONE 5535C MAP WHITE MAP DARK BROWN (MATCH 3M DARK BROWN)	Vinyl Film Colors (3M Scotchcal): ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	Client Signature: Signature _____ Date _____ NOTICE: Michael's Signs, Inc. does NOT provide primary electrical to sign location - RESPONSIBILITY OF OTHERS The ideas and designs contained in this original and unpublished drawing are the sole property of Michael's Signs, Inc. and MAY NOT BE USED OR REPRODUCED in whole or in part without written permission.	
	Drawing #: 1(3)	1 7-31-23		Electrical Requirements: ☐ 120 ☐ 277				Quantity: 2
	Sheet: 1 of 1	2 5-20-24		Sign Specifications: NOTED ABOVE				
	Scale: 1/2"=1'	3 5-30-24						
	Designer: KD							

NOTE: DUE TO THE PHYSICAL LIMITATIONS OF THE PAPER AND INK INVOLVED IN THIS PRINTING PROCESS, THIS CUSTOM ARTWORK IS NOT INTENDED TO PROVIDE AN EXACT MATCH TO THE ACTUAL FINISHED PAINTED PRODUCT.

POST & PANEL

SECONDARY ENTRANCE: FOOTING DETAILS



"We Project Your Image"

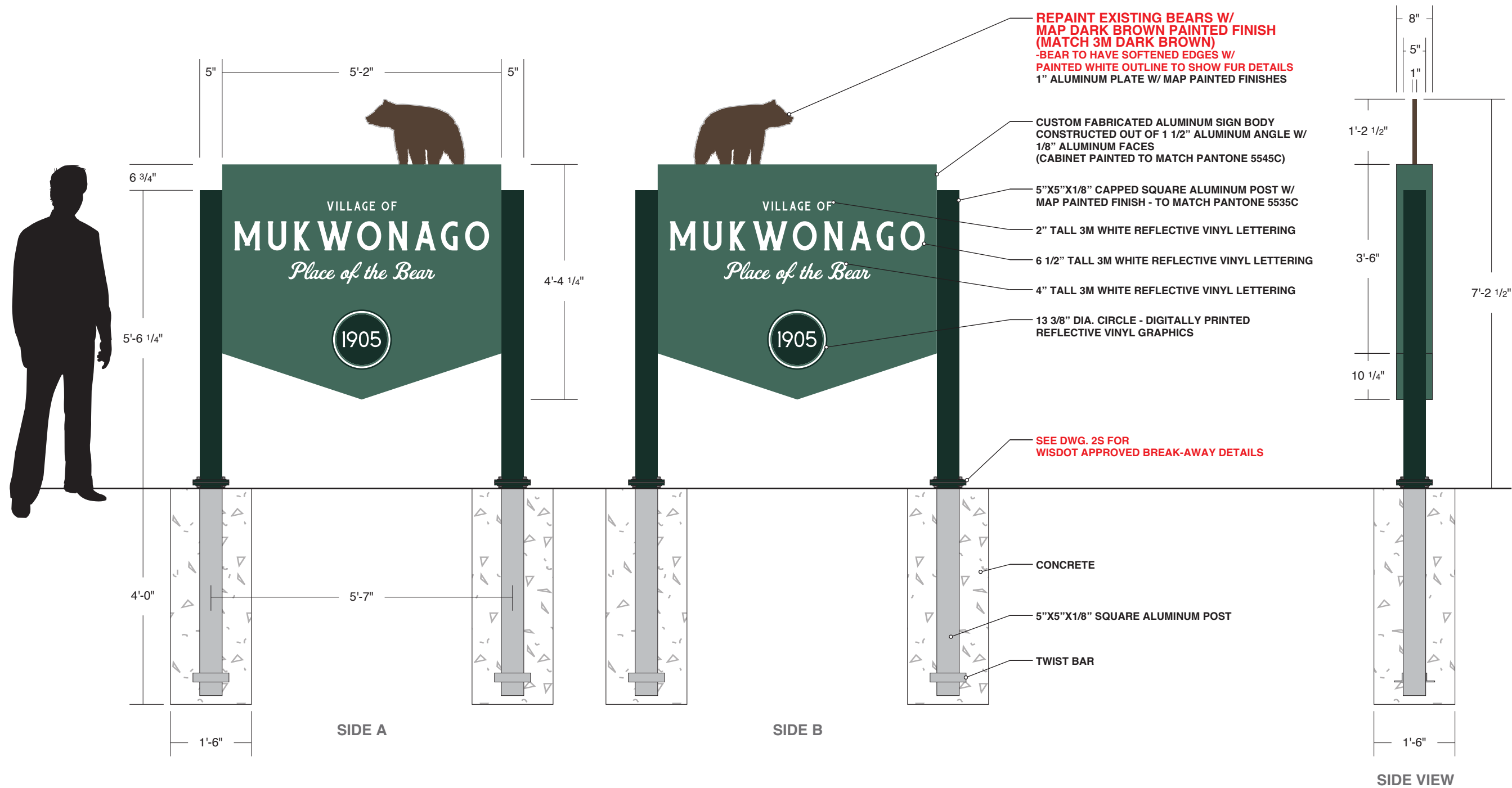
PH: (262) 554-6066
TOLL FREE: (800) 554-8110

Client: VILLAGE OF MUKWONAGO	Date: 6-7-23	REVISION		ILLUMINATION: ☒ NO ☐ YES TYPE _____	☐ SINGLE SIDED ☒ DOUBLE SIDED	Paint Colors (AkzoNobel): ☒ PANTONE 5545C ☒ PANTONE 5535C ☐ MAP WHITE ☒ MAP BLACK ☐ ☐ ☐	Vinyl Film Colors (3M Scotchcal): ☐ 3M WHITE REFLECTIVE ☐ DIGITALLY PRINTED ☐ ☐ ☐ ☐	Client Signature: Signature _____ Date _____ NOTICE: Michael's Signs, Inc. does NOT provide primary electrical to sign location - RESPONSIBILITY OF OTHERS The ideas and designs contained in this original and unpublished drawing are the sole property of Michael's Signs, Inc. and MAY NOT BE USED OR REPRODUCED in whole or in part without written permission.
	Drawing #: 2(2)	1 7-31-23		Electrical Requirements: ☐ 120 ☐ 277	Quantity: 3			
Address: 440 RIVER CREST CT	Sheet: 1 of 1	2 5-20-24		Sign Specifications: NOTED ABOVE				
City, State: MUKWONAGO, WI 53149	Scale: 1/2''=1'							
Sales Rep: JUSTIN SILVA	Designer: KD							

NOTE: DUE TO THE PHYSICAL LIMITATIONS OF THE PAPER AND INK INVOLVED IN THIS PRINTING PROCESS, THIS CUSTOM ARTWORK IS NOT INTENDED TO PROVIDE AN EXACT MATCH TO THE ACTUAL FINISHED PAINTED PRODUCT.

POST & PANEL

SECONDARY ENTRANCE: FOOTING DETAILS



"We Project Your Image"

PH: (262) 554-6066
TOLL FREE: (800) 554-8110

Client: VILLAGE OF MUKWONAGO	Date: 6-7-23	REVISION		ILLUMINATION: ☒ NO ☐ YES TYPE _____	☐ SINGLE SIDED ☒ DOUBLE SIDED	Paint Colors (AkzoNobel): PANTONE 5545C PANTONE 5535C MAP WHITE MAP DARK BROWN (MATCH 3M DARK BROWN)	Vinyl Film Colors (3M Scotchcal): 3M WHITE REFLECTIVE DIGITALLY PRINTED	Client Signature: Signature _____ Date _____ NOTICE: Michael's Signs, Inc. does NOT provide primary electrical to sign location - RESPONSIBILITY OF OTHERS The ideas and designs contained in this original and unpublished drawing are the sole property of Michael's Signs, Inc. and MAY NOT BE USED OR REPRODUCED in whole or in part without written permission.
	Drawing #: 2(3)	1 7-31-23	2	Electrical Requirements: ☐ 120 ☐ 277	Quantity: 3			
Address: 440 RIVER CREST CT	Sheet: 1 of 1	2 5-20-24	3	Sign Specifications: NOTED ABOVE				
City, State: MUKWONAGO, WI 53149	Scale: 1/2"=1'	3 5-30-24						
Sales Rep: JUSTIN SILVA	Designer: KD							

NOTE: DUE TO THE PHYSICAL LIMITATIONS OF THE PAPER AND INK INVOLVED IN THIS PRINTING PROCESS, THIS CUSTOM ARTWORK IS NOT INTENDED TO PROVIDE AN EXACT MATCH TO THE ACTUAL FINISHED PAINTED PRODUCT.



Agenda Item Cover Report

Date: 05/28/2024	Committee/Board: Protective Services
Submitted by: Chief Streit	Department: Police
Date of Committee Action: 06/05/2024	Date of Village Board Action: 06/19/2024

Subject:

City of Milwaukee Intergovernmental Agreement for Law Enforcement Services for the 2024 Republican National Convention

Executive Summary:

The City of Milwaukee is receiving federal grant money to help with costs associated with the 2024 Republican National Convention. Agencies who send officers to assist the Milwaukee Police Department can receive reimbursement for certain expenses if they sign the attached Intergovernmental Agreement. Two officers from the village are scheduled to assist at the RNC, one as a member of Suburban Critical Incident Team and another as a member of the Walworth County Mobile Field Force.

Fiscal Impact:

If I do not sign the IAG, all wages and other cost for the officers assisting MPD will be borne by the village rather than through grant dollars.

Executive Recommendation/Action:

Approve Chief Streit to sign the Intergovernmental Agreement for Law Enforcement Services for the 2024 Republican National Convention with the City of Milwaukee.

 **Attachments Included**

CONTRACT NUMBER: See Exhibit A
CONTRACTOR: See Exhibit A
COMMON COUNCIL RESOLUTION: 231078

Distribution via DocuSign in this order:

- Assisting agency signatories – Signature/final copy
- Chief (Fire or Police) – Signature/final copy
- Aaron Robinette – Initials/final copy
- Claudia Orugbani – Initials/final copy
- “Comptroller Senior Management” (see DocuSign address book) – Signature/final copy
- City Attorney (ACA Foundos) – Signature/final copy
- Andrea Fowler – final copy (no signature)

**Intergovernmental Agreement for Law Enforcement Services for the
2024 Republican National Convention**

I. Definitions. The following definitions apply to this Agreement.

1. **Agreement** means this Intergovernmental Agreement for Law Enforcement Services for the 2024 Republican National Convention.
2. **Assisting Personnel** means those personnel provided by Contractor to assist Milwaukee pursuant to this Agreement.
3. **Convention** means the 2024 Republican National Convention to be held in the City presently scheduled for July 15-18, 2024.
4. **In Writing** means a written communication via the official Milwaukee email account (@milwaukee.gov) of the MPD Chief, MPD Chief of Staff, or the Chief’s designees.
5. **MPD** means the City of Milwaukee Police Department.
6. **Milwaukee** means the City of Milwaukee, Wisconsin.
7. **Parties** means Milwaukee and Contractor; **Party** means Milwaukee or Contractor.
8. **Security Plan** means the security plan developed for the Convention by the U.S. Secret Service, in consultation with the Milwaukee Police Department, the Milwaukee Fire Department, and other local, state and federal agencies.
9. **Security Grant** means the grant provided to Milwaukee by the U.S. Department of Justice and/or the U.S. Department of Homeland Security to provide security for the Convention.
10. **Contractor** means the name of the Contractor identified in Exhibit A.

II. Background.

1. Milwaukee has been chosen as the host city for the Convention. Milwaukee has various security obligations for the Convention pursuant to the Security Plan and an agreement between Milwaukee, the Convention host committee, and the Republican National Committee.
2. Milwaukee requires the assistance of non-Milwaukee police personnel in support of its Convention security obligations.
3. Milwaukee expects to and/or has received the Security Grant to pay for costs associated with securing the Convention, including the law enforcement services described in this Agreement.

IV. Exhibits. Exhibits A and B are incorporated into the Agreement, and contain information and forms specific to Contractor. Contractor agrees to provide the personnel and/or equipment listed in Exhibit B, at the times as listed in Exhibit B, and with all information required of Exhibits A and B. Contractor shall submit a “Final” version of Exhibit B at the appropriate times as specified in this Agreement.

V. Additional Terms of Agreement.

1. **Authority to Execute.** The Parties each represent that they, and their signatories, possess the legal authority to enter into the Agreement and to validly and legally bind their respective Party to all terms of the Agreement.
2. **Term.** The term of the Agreement shall begin on the date of final execution of the Agreement by both Parties and shall end upon the completion of all obligations of the Agreement and participation in administrative proceedings and/or criminal and/or civil trials and/or audits by Milwaukee or Federal auditors.
3. **Amount.** Contractor shall not be paid more than the amount set forth in Exhibit B titled “Total Cost,” in the section entitled “Total Request for Reimbursement” which is the estimated total cost for Contractor’s performance under the Agreement. The amount may be increased or decreased only by written amendment of the Agreement or In Writing.
4. **Payment.**
 - 4.1 Costs Reimbursed. Contractor shall be reimbursed for costs that are all of the following, as applicable: (1) properly supported by the documentation set forth below in the section entitled “Payment Requests” and in Exhibit B; (2) included in the Agreement budget or otherwise approved In Writing; (3) for personnel time, time spent in an “on duty” status between the time Assisting Personnel check in with MPD and the time that they check out with MPD at the end of their shift, in accordance with duty assignments distributed by MPD, or in training assigned by MPD, and at the rate(s) provided in Exhibit B; (4) for transportation, mileage or airfare at current United States General Services Administration rates and policies as set forth in Exhibit B; and (5) for equipment at the rates set forth in Exhibit B and at market rate repair costs for any damage to such equipment.
 - 4.2 Costs Not Reimbursed. Irrespective of any costs set forth in the budget, Contractor shall not be paid for any of the following:
 - 4.2.1 Assisting Personnel’s time while located at their place of lodging or home or while traveling to or from their place of lodging or home to the duty station to which they are assigned by MPD or to the location of any training, unless such personnel are covered by a collective bargaining agreement, employment contract, ordinance or other law requiring them to be paid for such time and travel and documentation is provided as required below.
 - 4.2.2 Costs in violation of any federal, state, or local law, regulation, or rule, or this Agreement.
 - 4.2.3 Costs in violation of the terms of the Security Grant award letter to Milwaukee, which shall be provided to Contractor under separate cover and which shall be incorporated into the Agreement at the time the document is provided to Contractor.
 - 4.2.4 Rates of pay that exceed the normal salary and benefits of Assisting Personnel.
 - 4.2.5 Hours worked outside those established by MPD unless pre-approved In Writing. In Writing approval may be provided retroactively if Assisting Personnel are acting on a

direct command from MPD or responding to an emergency situation which, in their professional judgment, reasonably requires them to provide services outside of their assigned work hours to protect public safety. In such instances, Assisting Personnel shall seek approval from Milwaukee MPD command at the earliest reasonable time.

- 4.2.6 Costs of personal entertainment, miscellaneous items, additional food, or transportation beyond that provided or authorized In Writing.

- 4.3 Payment Requests. Payment requests shall be submitted to Milwaukee no later than September 2, 2024, and must include the following supporting documentation demonstrating that the costs being invoiced are both allowable and allocable to the grant. Failure to include this information in a payment request may result in the denial of the payment request:

- 4.3.1 “Final” version of Exhibit B, and all documentation required therein.
- 4.3.2 If requested, copies of the relevant portion of a collective bargaining agreement, employment contract, ordinance, law, requiring Assisting Personnel to be paid for travel time and overtime.
- 4.3.3 Such other documentation as Milwaukee may reasonably request, or which has been requested by the U.S. Department of Justice, local, state, or federal auditors.
- 4.3.4 If Contractor is budgeted to procure any items or services, it must follow the procurement rules set forth at 2 C.F.R. 200, and must maintain records and make such records available to Milwaukee upon request and must be sufficient to establish (1) the rationale for the method of purchase, (2) selection of the contract type, (3) contractor selection or rejection, and (4) the basis of the contract price (*see* 2 C.F.R. § 200.318(i)).
- 4.3.5 A completed W-9 form.

- 4.4 Timing of payments and recoupment.

- 4.4.1 Payment requests shall be reviewed in the order received. Payment is anticipated to be made within 45 days after a complete reimbursement package is received by Milwaukee. A reimbursement package is deemed to be complete after any/all requests for information made by Milwaukee to Contractor have been received and no further questions remain.
- 4.4.2 Final payment under the Agreement shall be predicated, at Milwaukee’s option, on a final audit of Contractor’s documentation by Milwaukee, state, or federal officials.
- 4.4.3 Contractor shall reimburse Milwaukee for any disbursed funds that Milwaukee, or local, state, or federal auditors determine have been misused or misappropriated, or for which such auditors determine were not properly supported or were not properly allocable to the Security Grant. Such reimbursement of funds shall be due upon Milwaukee’s written demand to Contractor.

- 4.5 Risk. Reimbursements under the Agreement are conditioned upon the City’s actual receipt of funds from the granting authority, and Contractor undertakes any work performed before the City’s receipt of such funds at its own risk. Irrespective of any other term of this Agreement, should City fail to be awarded a federal security grant sufficient to cover the costs of all City’s security obligations under the Security Plan, City may terminate this Agreement.

5. Records, Audit, and Information Requests.

- 5.1 Information requested pursuant to payment requests and audit. Contractor shall furnish Milwaukee with such statements, records, reports, data, and information as Milwaukee may reasonably request to substantiate and/or investigate the basis of payment requests, and/or to meet the requirements of Milwaukee, local, state, or federal audits.

- 5.2 **Federal Grant Record Retention Requirements.** Contractor will retain those records required by 2 C.F.R. § 200.334 for a period of three years after it receives notice from Milwaukee that Milwaukee has submitted final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.
- 5.3 **Wisconsin Public Records Law.** The Parties understand and agree that they are each Authorities under the Wisconsin Public Records Law, Wis. Stat. § 19.21, et seq. Irrespective of any other term of this Agreement, Contractor is obligated to retain Records for seven years from the date of the Record's creation. The requirements of this section are in addition to, and not in place of, the retention requirements of any other section or paragraph. This term shall survive for a period of seven years after termination or expiration of this Agreement.
6. **Security Information.** Contractor shall comply with all privilege and confidentiality requirements and procedures set forth by the U.S. Department of Homeland Security, the U.S. Secret Service or any other governmental entity. If Contractor has custody of a record (broadly construed to include paper or electronic formats) that contains details of security arrangements or investigations relevant to the Convention, Contractor shall, as soon as practical and without delay, notify Milwaukee of any request to disclose such record.
7. **Choice of Law and Venue.** The Agreement shall be governed by and construed, interpreted and enforced in accordance with the laws of the State of Wisconsin. Contractor and Wisconsin agree that for any claim or suit or other dispute relating to the Agreement that cannot be mutually resolved, jurisdiction and venue shall be in an appropriate court of competent jurisdiction sitting in Milwaukee County, Wisconsin. Contractor agrees to submit itself to the jurisdiction of said courts, to the exclusion of any other court that may have jurisdiction over such a dispute according to any other law, except that, if another party obtains jurisdiction over Milwaukee for claims or other actions involving or related to the Agreement in a different forum or venue, Contractor agrees that it shall submit to the jurisdiction of such forum or venue.
8. **Liability.** Except as otherwise provided in this Agreement, each Party agrees that it will be responsible for its own acts and/or omissions and those of its Assisting Personnel, officials, employees, representatives, and agents in carrying out the terms of this Agreement to the extent authorized by law and shall not be responsible for the acts and/or omissions of the other Party.
9. **No Waiver.** Irrespective of any term of this Agreement, nothing contained in this Agreement shall waive or amend, nor be construed to waive or amend any privilege, defense, limitation of liability, or immunity that either Party, their respective officials, agents, or employees may have under any applicable federal, state, local, or common law.
10. **Sam.gov profile.** Contractor is required to maintain an active profile on SAM.GOV and a Unique Entity Identification number during the term of the Agreement.
11. **Independent legal entities and employment.**
- 11.1 **Independent Legal Entities.** Contractor is an independent legal entity, and neither Contractor, nor Contractor's employees, agents, and/or Assisting Personnel are employees of City, nor are they entitled to any fringe benefits or any other benefits to which City's salaried employees are entitled to or are receiving. Personal income tax payments, social security contributions, insurance, and all other governmental reporting and contributions required as a consequence of Contractor receiving payment under this Agreement shall be the sole responsibility of Contractor. City and Contractor form no joint venture or legal partnership under this Agreement.

- 11.2 Assisting Personnel Remain Employees of Contractor. Contractor acknowledges and affirms that Contractor remains fully responsible for any and all obligations as the employer of its Assisting Personnel, including among other things: responsibility for the payments of: (i) earnings; (ii) overtime earnings; (iii) withholdings; (iv) insurance coverage; (v) workers' compensation; (vi) death benefits; (vii) medical and legal indemnity where lawful and appropriate; and (viii) all other requirements by law, regulations, ordinance, or contract. Assisting Personnel remain employees of Contractor. Contractor shall be responsible for the payment of any compensation or death benefits to Assisting Personnel who are injured or killed while providing services to City under the terms of this Agreement. Contractor does not waive their right to reimbursement and may submit for reimbursement as outlined in Wis. Stat. § 66.0513.
12. **Indemnification.** The City shall indemnify Contractor and Assisting Personnel for liability to third parties incurred while Assisting Personnel are acting within the scope of their employment to fulfill the terms of this Agreement to the extent required by Wis. Stat. § 66.0313.
13. **Notices.** Any notices to be given under these terms and conditions unless otherwise stated shall be submitted via certified mail, return receipt requested, and shall be deemed delivered upon receipt of electronic delivery notice to the persons at the addresses identified "Contractor Contact Information" and "Milwaukee Contact Information" in Exhibit A.
14. **Remedies for noncompliance.** If Contractor fails to comply with any term of the Agreement Milwaukee may take one or more of the following actions:
- 14.1 Temporarily withhold reimbursement pending correction of the deficiency or breach;
 - 14.2 Deny both use of funds for all or part of the activity or action not in compliance;
 - 14.3 Wholly or partially suspend the Agreement;
 - 14.4 Withhold further reimbursement;
 - 14.5 Terminate the Agreement;
 - 14.6 Take other remedies that may be legally available.
15. **Termination.**
- 15.1 Termination by Milwaukee. Milwaukee may terminate the Agreement at any time for any reason upon written notice to Contractor. Contractor will be reimbursed for its costs to date of termination and non-cancelable obligations properly incurred as set forth in the Agreement budget prior to the date of termination under the following circumstances: (1) such costs are properly documented as required in the Agreement; (2) such costs do not exceed the amount allowed under the Agreement; and (3) a report of progress to date of termination has been submitted to Milwaukee. Upon notice of termination, Contractor shall cease to incur or obligate new costs under this program. Milwaukee may terminate the Agreement without payment of costs if Contractor fails to comply with or perform any material term, condition, or obligation contained in the Agreement, and either such breach cannot be cured or, if such breach may be cured, Contractor fails to cure such breach within seven (7) calendar days after Milwaukee provides Contractor with notice of such failure.
- 15.2 Termination by Contractor. Contractor may terminate the Agreement if Contractor is not able to both fulfil the terms of the Agreement and ensure the public safety of its own jurisdiction due to an emergent circumstance. Upon Contractor's termination of the Agreement, Contractor shall fully refund to Milwaukee all costs, funds, or other prepayments that Milwaukee may have paid to Contractor pursuant to the Agreement (if any). Contractor shall be reimbursed according to

the procedures set forth in the Agreement for costs incurred during any provision of Agreement services to Milwaukee. Contractor shall provide notice of termination to Milwaukee as soon as practical upon discovery of conditions requiring the termination.

16. **Amendment.** The Agreement may be amended only by joint written agreement between the Parties.
17. **Headings.** The captions and headings of paragraphs and sections in this Agreement are for convenience of reference only and shall not be construed as defining or limiting the terms.
18. **Survival.** The terms of the Agreement and any exhibits and attachments that by reasonable implications contemplate continued performance, rights, or compliance beyond expiration or termination of the Agreement survive the Agreement and will continue to be enforceable.
19. **Lobbying.** Contractor agrees that no federal appropriated funds have been reimbursed or will be reimbursed, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement. Funds provided pursuant to the Agreement may not be used to influence federal contracting or financial transactions.
20. **Debarment.** By executing the Agreement, Contractor certifies neither it, nor any of its respective principals are debarred, suspended, or proposed for debarment for federal financial assistance (e.g. General Services Administration's List of Parties Excluded from Federal Procurement and Non-Procurement Programs), and that Contractor will not enter into any transactions with any subrecipients, contractors, or any of their principals who are debarred, suspended or proposed for debarment using funds provided by this Agreement. Contractor agrees that it will take all steps necessary to ensure that it and its respective principals do not become debarred, suspended or proposed for debarment for federal financial assistance. If Contractor becomes debarred, it will immediately notify Milwaukee, and such debarment may be grounds for termination of the Agreement.
21. **Entire agreement, amendments, severability.**
 - 21.1 Entire Agreement. The Agreement constitutes the entire agreement between Milwaukee and Contractor concerning its subject matter and supersedes all prior agreements, discussions, representations, warranties and covenants between them concerning the subject matter of the Agreement.
 - 21.2 Severability. If any term of the Agreement is, to any extent, held invalid or incapable of being enforced, such term shall be excluded only to the extent of such invalidity or unenforceability. All other terms of the Agreement shall remain in full force and effect and, to the extent possible, the invalid or unenforceable term shall be deemed replaced by a term that is valid and enforceable and that comes closest to expressing the intention of such invalid or unenforceable term as determined by Milwaukee.
22. **Certifications and incorporation of federally required terms.** The following terms and conditions are incorporated into the Addendum:

- 22.1 Amendment Permitted. This list of federally required contract terms may be amended by Milwaukee in the event that the Security Grant contains additional required terms.
- 22.2 Record Retention. Contractor certifies that it will comply with the record retention requirements detailed in 2 C.F.R. § 200.334. Contractor further certifies that it will retain all records as required by 2 C.F.R. § 200.334 for a period of three (3) years after the Term.
- 22.3 Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended. If this Agreement exceeds one hundred fifty thousand dollars (\$150,000), Contractor must comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency (the U.S. Department of Justice) and the Regional Office of the Environmental Protection Agency (EPA).
- 22.4 Energy Efficiency. Contractor certifies that it will be in compliance with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).
- 22.5 Byrd Anti-Lobbying Amendment (31 U.S.C. 1352). If the Agreement exceeds one hundred thousand dollars (\$100,000), Contractor certifies that:
- 22.5.1 No federal appropriated funds have been paid or will be paid, by or on behalf of Contractor, to any person for influencing or attempting to influence an officer or employee of an agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- 22.5.2 If any funds other than federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of an agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, Contractor shall request from Milwaukee and provide, completed, to Milwaukee the "Disclosure Form to Report Lobbying," in accordance with its instructions as amended by "Governmentwide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96).
- 22.5.3 Contractor shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-contractors shall certify and disclose accordingly.
- 22.5.4 This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than ten thousand dollars (\$10,000) and not more than one hundred thousand dollars (\$100,000) for each such

failure. Contractor certifies and affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, et seq., apply to this certification and disclosure, if any. FAR 52.203-12, "Limitation on Payments to Influence Certain Federal Transactions" is hereby incorporated by reference into this certification.

22.6 DHS Seal, Logo, and Flags. Contractor shall not use the Department of Homeland Security (DHS) seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific Federal Emergency Management (FEMA) pre-approval.

22.7 Federal Government is Not a Party. The Federal Government is not a party to this Agreement and is not subject to any obligations or liabilities to any party pertaining to any matter resulting from the Agreement.

22.8 Domestic preferences for procurements. Pursuant to 2 C.F.R. §200.322, as appropriate and if applicable, and to the extent consistent with law, Contractor should, to the greatest extent practicable under the Agreement, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this section must be included in all subcontracts and purchase orders for work or products under the Agreement.

22.9 Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment. Contractor shall not knowingly use funds under this Agreement to purchase, or enter into subcontracts to purchase, any equipment, services, or systems that use telecommunications equipment or services as a substantial or essential component of a system that is subject to 2 C.F.R. § 200.216. In the event Contractor identifies covered telecommunications equipment or services that constitute a substantial or essential component of any system, or as critical technology as part of any system that is subject to 2 C.F.R. § 200.216, during Agreement performance, Contractor shall alert Milwaukee as soon as possible and shall provide information on any measures taken to prevent recurrence.

22.10 Prohibition on confidentiality agreements. Contractor may not require any employee or contractor to sign an internal confidentiality agreement or statement that prohibits or otherwise restricts, or purports to prohibit or restrict, the reporting (in accordance with law) of waste, fraud, or abuse to an investigative or law enforcement representative of a federal department or agency authorized to receive such information.

22.11 All terms found in 2 C.F.R. § 200, Appendix II, if not incorporated elsewhere in this Addendum.

23. Organizational Structure and Law Enforcement Procedures.

23.1 Unified Incident Command. At all times while operating under this Agreement, Assisting Personnel shall be subject to the structure of supervision, command, and control coordinated by MPD through a unified incident command structure, irrespective of the rank or job title normally held by any member of Assisting Personnel within their own agency.

23.2 Lead Local Law Enforcement Agency and Assignments. MPD is the lead local law enforcement agency for purposes of the Convention Security Plan. The Milwaukee Police Chief, or their designee, will communicate the specific assignments for Assisting Personnel to

Contractor's commanding officer. Should Contractor object to any specific assignment, it shall make an objection to MPD and MPD shall reasonably attempt to accommodate the objection. The decision of the MPD regarding the objection and the requirements of the Security Plan shall control.

- 23.3 Policies and Law to Apply. Assisting Personnel will abide by applicable MPD policies, the lawful commands of the MPD Chief of Police and their designees, City of Milwaukee Municipal Code of Ordinances, Wisconsin law, and the United States Constitution. Rules of engagement and applicable standard operating procedures are available at <https://milw.sharepoint.com/:f:/r/sites/MPDRNCInformationCenter/Shared%20Documents/General?csf=1&web=1&e=KpTEFq> (see "Outside Agency Documents" → "Files" → "Wisconsin Intergovernmental Agreements Documents" folder) and must be complied with at all times by Assisting Personnel. All other documents are available from Milwaukee upon request. To activate this link, and access these documents, please request access by contacting the MPD RNC Planning Unit by email at MPD_RNC2024@milwaukee.gov or by telephone at (414) 935-7171.
- 23.4 Police Authority. Most Assisting Personnel duty assignments shall include the assignment of at least one MPD officer. Should an arrest or stop be required, the MPD officer shall conduct the arrest, and Assisting Personnel shall assist as directed. Assisting Personnel shall not conduct arrests or stops unless required to do so by emergent circumstances in which an MPD officer is not available or capable of conducting the arrest or stop. In such cases, the arresting officer shall include an MPD officer at his/her earliest opportunity and shall provide that MPD officer with all relevant and/or requested information. This Agreement is a request for assistance pursuant to Wis. Stat. §§ 66.0301 and 66.0313, pursuant to which a responding Wisconsin officer may assist with an arrest, notwithstanding any other jurisdictional provision.
- 23.5 Conformance to Security Plan. All functions and duties to be performed by Assisting Personnel shall conform to the Security Plan, as relayed by the MPD Chief of Police and their designees.

24. Assisting Personnel and Responsibilities.

- 24.1 Assisting Personnel to Participate in Training. Upon reasonable advance written notification from MPD, Assisting Personnel shall participate in Convention training activities (whether in person or online) that are coordinated by MPD. MPD shall make reasonable efforts to coordinate the training schedule with Contractor.
- 24.2 Services Limited. Assisting Personnel shall only provide services in which they are already experienced and for which they are licensed or certified under the law of Contractor.
- 24.3 Field Operations Guide. MPD presently expects to provide a Field Operations Guide to Assisting Personnel as they arrive in Milwaukee, with which Assisting Personnel shall comply at all times while functioning under the terms of the Agreement.
- 24.4 Assisting Personnel to Participate in After Action Activities. At the request of Milwaukee, Contractor shall reasonably provide information, participate in debriefings, respond to information requests required for insurance or audit purposes, and reasonably aid Milwaukee in the prosecution or defense of any civil or criminal proceedings related to Contractor's performance under the Agreement or in any matter in which Assisting Personnel or Contractor is identified by Milwaukee as a witness. Such assistance shall include the provision of personnel or other records in administrative, criminal, and/or civil proceedings as reasonably requested by Milwaukee.

- 24.5 Assisting Personnel Criteria. Each Assisting Personnel provided by Contractor shall meet each of the following criteria:
- 24.5.1 Be licensed or certified as a law enforcement officer or equivalent by Contractor.
 - 24.5.2 By reason of experience, training, and physical fitness, be qualified and capable of performing the duties required of an active duty licensed or certified police officer assigned to an event of the Convention's size and scope.
 - 24.5.3 If assigned to the Major Incident Response Team, have completed Mobile Field Force training or its equivalent and other training as required by MPD or the United States Secret Service.
 - 24.5.4 Employed as a licensed or certified non-probationary officer with at least 1 year of service by Assisting Governmental Unit and be an officer in good standing at all times until the completion of the Convention.
 - 24.5.5 Have not been (i) sued in an individual capacity and adjudicated as liable for violations of the U.S. Constitution, or (ii) have sustained complaints for the use of excessive, unreasonable or unnecessary force within the last five years.
- 24.6 Declining Personnel. At any time, Milwaukee may decline assignment or deployment of any Assisting Personnel without cause or explanation. In the event such personnel are declined through no fault of Contractor or Assisting Personnel, Milwaukee shall reimburse Contractor for any costs budgeted for under the Agreement and already incurred.
- 24.7 Assisting Personnel Equipment.
- 24.7.1 Each Assisting Personnel shall be equipped by Contractor at Contractor's own expense with a seasonally appropriate patrol uniform and equipment, including service belt, service weapon, radio, and personal soft ballistic body armor. Assisting Personnel shall not bring to their assignments any chemical or other non-lethal munitions except as authorized by MPD via the sanctioned equipment list described below.
 - 24.7.2 A complete, sanctioned, equipment list is will be provided to Contractor at least sixty (60) days before the Convention. Any equipment, gear, service weapons or munitions that are not included on the equipment list may not be used by Assisting Personnel as part of their assignments unless MPD consents to the use of such In Writing.
 - 24.7.3 Assisting Personnel may not bring or utilize any demo equipment provided at low or no cost by a supplier seeking to demonstrate new equipment.
25. **Milwaukee Responsibilities.** In addition to Milwaukee's lead law enforcement agency responsibilities for the Convention, Milwaukee will provide the following:
- 25.1 Training. Training for Assisting Personnel, as and if determined necessary by MPD or the United States Secret Service.
 - 25.2 Lodging and Food. Milwaukee will provide lodging for Assisting Personnel whose home agency is located more than 50 road miles outside of Milwaukee. Milwaukee will also provide a per diem for all Assisting Personnel for those times that they are stationed in Milwaukee, as specified in Exhibit B. Any expenditures for food or lodging outside of those provided by Milwaukee shall be at Assisting Personnel or Contractor's own expense.
26. **Discipline / Probable Cause Matters.** Milwaukee shall refer disciplinary matters involving Assisting Personnel to Contractor. Based on the judgment of Milwaukee, if a particular matter represents

probable cause for the issuance of a criminal complaint, then such matter shall be referred directly to MPD or an external law enforcement agency for investigation with appropriate notice to Contractor.

IN WITNESS WHEREOF, the City and Contractor have fully executed this Agreement as of the date of the final signature below:

CITY OF MILWAUKEE,
A Municipal Corporation

By Its Milwaukee Police Department

By: _____
Chief Jeffrey B. Norman

Date: _____

CONTRACTOR: See Exhibit A

By: _____ Title: _____ Date: _____

By: _____ Title: _____ Date: _____

Countersigned:

_____ Date: _____
(City Comptroller)

Date: _____

____ Initials (Comptroller Staff)

____ Initials (Comptroller Staff)

Examined and approved as to form and execution this ____ day of
_____, 2024.

Assistant City Attorney



Agenda Item Cover Report

Date: 05/23/2024	Committee/Board: Finance
Submitted by: Chief Dan Streit	Department: Police
Date of Committee Action: 06/05/2024	Date of Village Board Action: 06/19/2024

Subject:

Police Squad Purchase

Executive Summary:

I am requesting approval of the purchase of our 2024 Chevy Tahoe squad car. This item was budgeted for in the 2024 police department capital budget.

Fiscal Impact:

\$50,394.00 capital budget funds

Executive Recommendation/Action:

Approve purchase

☒ **Attachments Included**



Ewald Automotive Group

Scott Kussow | 262-567-5555 | skfleet@ewaldauto.com

Village of Mukwonago PD

Prepared For: Assistant Chief Chris DeMotto

(262)363-6436

cdemotto@mkpd.org

Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial





Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

Quote Worksheet

	MSRP
Base Price	\$53,450.00
Dest Charge	\$1,995.00
Total Options	\$1,215.00
Subtotal	\$56,660.00
Subtotal Pre-Tax Adjustments	\$0.00
Less Customer Discount	(\$6,266.00)
Subtotal Discount	(\$6,266.00)
Trade-In	\$0.00
Subtotal Trade-In	\$0.00
Taxable Price	\$50,394.00
Sales Tax	\$0.00
Subtotal Taxes	\$0.00
Subtotal Post-Tax Adjustments	\$0.00
Total Sales Price	\$50,394.00

Comments:

2024 Chevrolet Tahoe 4wd PPV to your specs as detailed, (similar to '23 order). Registration fees are not included. Delivery can not be anticipated due to current market conditions. Subject to allocation approval from GM.

Dealer Signature / Date

Customer Signature / Date



Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

Standard Equipment

Mechanical
Engine, 5.3L EcoTec3 V8 with Dynamic Fuel Management, Direct Injection and Variable Valve Timing, includes aluminum block construction (355 hp [265 kW] @ 5600 rpm, 383 lb-ft of torque [518 Nm] @ 4100 rpm) (STD)
Transmission, 10-speed automatic electronically controlled with overdrive, includes Traction Select System including tow/haul (STD)
Rear axle, 3.23 ratio
Suspension Package, Premium Smooth Ride (STD)
GVWR, 7500 lbs. (3402 kg) (4WD models only.) (STD)
Keyless start, push button
Automatic Stop/Start
Engine control, stop/start system disable button, non-latching
Engine air filtration monitor
Fuel, gasoline, E15
Transfer case, active, single-speed, electronic Autotrac does not include neutral. Cannot be dinghy towed (4WD models only. Deleted when (NHT) Max Trailering Package is ordered.)
Differential, mechanical limited-slip
4-wheel drive
Air filter, heavy-duty
Cooling, external engine oil cooler, heavy-duty air-to-oil integral to driver side of radiator
Cooling, auxiliary transmission oil cooler, heavy-duty air-to-oil
Battery, 730 cold-cranking amps with 80 amp hour rating
Alternator, 220 amps
Trailering equipment includes trailering hitch platform, 7-wire harness with independent fused trailering circuits mated to a 7-way connector and 2" trailering receiver
Trailer sway control
Hitch Guidance
Suspension, front coil-over-shock with stabilizer bar
Suspension, rear multi-link with coil springs
Steering, power
Brakes, 4-wheel antilock, 4-wheel disc with DURALIFE rotors
Exhaust, single system, single-outlet

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

Mechanical

Mechanical Jack with tools

Exterior

- Wheels, 18" x 8.5" (45.7 cm x 21.6 cm) Bright Silver painted aluminum (STD)
- Tires, 265/65R18SL all-season, blackwall (Standard with (PZX) 18" Bright Silver painted aluminum wheels only.) (STD)
- Wheel, full-size spare, 17" (43.2 cm)
- Tire, spare P265/70R17 all-season, blackwall
- Tire carrier, lockable outside spare, winch-type mounted under frame at rear
- Active aero shutters, upper
- Fascia, front
- Luggage rack side rails, roof-mounted, Black, standard (Available with (5W4) Special Services Vehicle.)
- Assist steps, Black with chrome accent strip
- Headlamps, LED
- Lamps, stop and tail, LED
- Mirrors, outside heated power-adjustable, manual-folding, body-color
- Mirror caps, body-color
- Glass, deep-tinted (all windows, except light-tinted glass on windshield and driver- and front passenger-side glass)
- Glass, acoustic, laminated
- Glass, windshield shade band
- Windshield, solar absorbing
- Wipers, front intermittent, Rainsense
- Wiper, rear intermittent with washer
- Door handles, body-color
- Liftgate, rear manual

Entertainment

- Audio system, Chevrolet Infotainment 3 system, 8" diagonal HD color touchscreen AM/FM stereo, Bluetooth audio streaming for 2 active devices, voice command pass-through to phone, Wireless Apple CarPlay and Wireless Android Auto compatibility (STD)
- Audio system feature, 6-speaker system
- SiriusXM, delete
- Infotainment display, 8" diagonal touchscreen

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

Entertainment

- Bluetooth for phone personal cell phone connectivity to vehicle audio system
- Wireless Apple CarPlay/Wireless Android Auto
- Wi-Fi Hotspot capable (Standard with (UE1) OnStar only. Terms and limitations apply. See onstar.com or dealer for details.)

Interior

- Seats, front 40/20/40 split-bench (Not available with (D07) center floor console and (USR) USB data ports.) (STD)
- Seat trim, cloth
- Seat adjusters, 8-way power includes 6-way power front passenger seat with 2-way power lumbar
- Seat adjusters, 10-way power includes 8-way power driver seat with 2-way power lumbar
- Seats, second row 60/40 split-folding bench, manual
- Seats, third row 60/40 split-folding bench, manual (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
- Floor covering, Black rubberized vinyl (Deleted when (B30) floor covering is ordered.)
- Electronic Precision Shift
- Steering column lock, electrical
- Steering column, manual tilt and telescopic
- Steering wheel, urethane
- Steering wheel controls, mounted audio, Driver Information Center, cruise control and Forward Collision Alert following gap button (if equipped) (left backside Seek/Scan steering wheel radio buttons are inoperable; these 2 buttons can be repurposed for aftermarket emergency equipment)
- Driver Information Center, 4.2" diagonal color display includes driver personalization
- Rear Seat Reminder
- Door locks, power programmable with lockout protection and delayed locking (When ordered with (9C1) Police Vehicle or (5W4) Special Service Vehicle, Auto Lockout is disabled on driver door.)
- Keyless Open includes extended range Remote Keyless Entry
- Cruise control, electronic with set and resume speed
- Theft-deterrent system, content, electrical, unauthorized entry
- USB data ports, 4 total; 2, one type-A and one type-C located within center console and 2, one type-A and one type-C located on instrument panel
- USB charging-only ports, 4 type-C, (2) located on rear of center console and (2) in 3rd row (1 left and 1 right side below quarter glass side window) (When ordered with (9C1) Police Vehicle or (5W4) Special Service Vehicle, (2) type-C ports are moved to the rear of center seat base and (2) type-C are moved to the cargo area. Deleted when (A50) front bucket seats are ordered.)

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Ewald Automotive Group

Scott Kussow | 262-567-5555 | skfleet@ewaldauto.com

Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial ( Complete)

Interior

Window, power with driver Express-Up/Down

Window, power with front passenger Express-Up/Down

Windows, power with rear Express-Down

Air conditioning, tri-zone automatic climate control with individual climate settings for driver, right front passenger and rear seat occupants

Air conditioning, rear

Defogger, rear-window electric

Power outlets, 2, 120-volt, located on the rear of the center seat and rear cargo area

Power outlet, front auxiliary, 12-volt, located in the center stack of instrument panel

Mirror, inside rearview manual day/night

Visors, driver and front passenger illuminated vanity mirrors, sliding

Assist handles, overhead, driver and front passenger, located in headliner

Assist handles, front passenger A-pillar and second row outboard B-pillar (Deleted when SEO (7X2) left- and right-hand spotlamps or SEO (7X3) left-hand spotlight are ordered.)

Lighting, interior with dome light, driver- and passenger-side door switch with delayed entry feature, cargo lights, door handle or Remote Keyless Entry-activated illuminated entry and map lights in front and second seat positions. On Police/Special Service vehicles, the control switch is located in the roof console in lieu of the driver - and passenger-side door switch with delayed entry feature.

Cargo management system

Chevrolet Connected Access capable (Subject to terms. See onstar.com or dealer for details.)

Safety-Mechanical

Automatic Emergency Braking

Hill Start Assist

StabiliTrak, stability control system with brake assist, includes traction control

Safety-Exterior

Daytime Running Lamps, reduced intensity low beam

Safety-Interior

Airbags, Frontal airbags for driver and front outboard passenger; Seat-mounted side-impact airbags for driver and front outboard passenger; Head-curtain airbags for all rows in outboard seating positions (Deleted when (A50) front bucket seats are ordered. Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)

Front outboard Passenger Sensing System for frontal outboard passenger airbag (Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.

Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

Safety-Interior

- OnStar and Chevrolet connected services capable (Terms and limitations apply. See onstar.com or dealer for details.)
- Front and Rear Park Assist
- Following Distance Indicator (Deleted when (9C1) Police Vehicle or (5W4) Special Service Vehicle is ordered.)
- HD Rear Vision Camera
- Front Pedestrian Braking (Deleted when (9C1) Police Vehicle or (5W4) Special Service Vehicle is ordered.)
- Lane Keep Assist with Lane Departure Warning (Deleted when (9C1) Police Vehicle or (5W4) Special Service Vehicle is ordered.)
- Forward Collision Alert (Deleted when (9C1) Police Vehicle or (5W4) Special Service Vehicle is ordered.)
- Buckle to Drive prevents vehicle from being shifted out of Park until driver seat belt is fastened; times out after 20 seconds and encourages seat belt use, can be turned on and off in Settings or Teen Driver menu (When ordered with (9C1) Police Vehicle or (5W4) Special Service Vehicle, defaulted off. Feature can be turned on in the Infotainment menu.)
- Door locks, rear child security, manual
- LATCH system (Lower Anchors and Tethers for CHildren), for child restraint seats lower anchors and top tethers located in all second-row seating positions (Deleted when (ATZ) second row seat delete is ordered.)
- Teen Driver a configurable feature that lets you activate customizable vehicle settings associated with a key fob, to help encourage safe driving behavior. It can limit certain available vehicle features, and it prevents certain safety systems from being turned off. An in-vehicle report card gives you information on driving habits and helps you to continue to coach your new driver
- Tire Pressure Monitoring System auto learn, includes Tire Fill Alert (does not apply to spare tire)
- Warning tones headlamp on, driver and right-front passenger seat belt unfasten and turn signal on
- 3 Years of OnStar Remote Access. The OnStar Remote Access Plan gives you simplified remote control of your properly equipped vehicle and unlocks a variety of great features in your myChevrolet mobile app. See dealer for details. (Deleted when (UDA) vehicle deactivated communication system is ordered. OnStar Remote Access Plan does not include emergency or security services. Fleet customers will get Fleet Remote Access through OnStar Vehicle Insights. See onstar.com for details and limitations. Available on select Apple and Android devices. Service availability, features and functionality vary by vehicle, device, and the plan you are enrolled in. Terms apply. Device data connection required.)



Ewald Automotive Group

Scott Kussow | 262-567-5555 | skfleet@ewaldauto.com

Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial ( Complete)

WARRANTY

Basic Years: 3
Basic Miles/km: 36,000
Drivetrain Years: 5
Drivetrain Miles/km: 60,000
Drivetrain Note: 3.0L & 6.0L Duramax® Turbo-Diesel engines, and certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Corrosion Years (Rust-Through): 6
Corrosion Years: 3
Corrosion Miles/km (Rust-Through): 100,000
Corrosion Miles/km: 36,000
Roadside Assistance Years: 5
Roadside Assistance Miles/km: 60,000
Roadside Assistance Note: 3.0L & 6.0L Duramax® Turbo-Diesel engines, and certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Maintenance Note: First Visit: 12 Months/12,000 Miles

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Ewald Automotive Group

Scott Kussow | 262-567-5555 | skfleet@ewaldauto.com

Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

Selected Model and Options

MODEL		
CODE	MODEL	MSRP
CK10706	2024 Chevrolet Tahoe 4WD 4dr Commercial	\$53,450.00
COLORS		
CODE	DESCRIPTION	
GBA	Black	
SUSPENSION PKG		
CODE	DESCRIPTION	MSRP
Z56	Suspension Package, heavy-duty, police-rated. Full independent suspension with monotube dampers, linear coil springs, 35mm solid front stabilizer bar and 32mm hollow rear stabilizer bar (Included and only available with (9C1) Police Vehicle.)	Inc.
EMISSIONS		
CODE	DESCRIPTION	MSRP
FE9	Emissions, Federal requirements	\$0.00
ENGINE		
CODE	DESCRIPTION	MSRP
L84	Engine, 5.3L EcoTec3 V8 with Dynamic Fuel Management, Direct Injection and Variable Valve Timing, includes aluminum block construction (355 hp [265 kW] @ 5600 rpm, 383 lb-ft of torque [518 Nm] @ 4100 rpm) (STD)	\$0.00
TRANSMISSION		
CODE	DESCRIPTION	MSRP
MHU	Transmission, 10-speed automatic electronically controlled with overdrive, includes Traction Select System including tow/haul (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
GVWR		
CODE	DESCRIPTION	MSRP
C6G	GVWR, 7600 lbs. (3447 kg) (Included and only available with (9C1) Police Package. 4WD model only.)	Inc.

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Ewald Automotive Group

Scott Kussow | 262-567-5555 | skfleet@ewaldauto.com

Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

AXLE		
CODE	DESCRIPTION	MSRP
GU5	Rear axle, 3.23 ratio	\$0.00
PREFERRED EQUIPMENT GROUP		
CODE	DESCRIPTION	MSRP
1FL	Commercial Preferred Equipment Group includes standard equipment	\$0.00
WHEEL TYPE		
CODE	DESCRIPTION	MSRP
PXT	Wheels, 20" x 9" (50.8 cm x 22.9 cm) steel (Included and only available with (9C1) Police Vehicle.)	Inc.
TIRES		
CODE	DESCRIPTION	MSRP
XCS	Tires, 275/55R20SL all-season, blackwall, Firestone Firehawk Pursuit (Included and only available with (9C1) Police Vehicle.)	Inc.
PAINT		
CODE	DESCRIPTION	MSRP
GBA	Black	\$0.00
SEAT TYPE		
CODE	DESCRIPTION	MSRP
AZ3	Seats, front 40/20/40 split-bench (STD)	\$0.00
SEAT TRIM		
CODE	DESCRIPTION	MSRP
H1T	Jet Black, Cloth seat trim (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$0.00
RADIO		
CODE	DESCRIPTION	MSRP
IOR	Audio system, Chevrolet Infotainment 3 system, 8" diagonal HD color touchscreen AM/FM stereo, Bluetooth audio streaming for 2 active devices, voice command pass-through to phone, Wireless Apple CarPlay and Wireless Android Auto compatibility (STD)	\$0.00

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial ( Complete)

Additional Equipment - Package		
Code	Description	MSRP
9C1	Identifier for Police Package Vehicle includes, (K47) heavy-duty air filter, (KX4) 250 amp high output alternator, (K6K) 760 cold-cranking amps auxiliary battery, electrical power & vehicle signals for customer connection located at the center front floor. Auxiliary battery circuit for customer connection located in the rear cargo area, (Z56) heavy-duty, police-rated suspension, (XCS) 275/55R20SL all-season tires, (RAV) 275/55R20 all-season spare tire, Police brakes, (RC1) front skid plate, (PXT) 20" steel wheels, Certified speedometer, SEO (5J3) Surveillance Mode interior lighting calibration, SEO (UT7) blunt cut cargo area and blunt cut console area ground wires, (V53) delete luggage rack side rails, (ATD) third row seat delete, (NP0) active single-speed transfer case (4WD only)	\$0.00
AMF	Remote Keyless Entry Package includes 4 additional transmitters, NOTE: programming of remotes is at customer's expense. Programming remotes is not a warranty expense (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$75.00

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Ewald Automotive Group

Scott Kussow | 262-567-5555 | skfleet@ewaldauto.com

Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

ADDITIONAL EQUIPMENT - MECHANICAL		
CODE	DESCRIPTION	MSRP
5J9	Calibration, taillamp flasher, Red/White (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
5LO	Calibration, taillamp flasher, Red/Red (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
6J4	Wiring, horn and siren circuit (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$55.00
6J7	Flasher system, headlamp and taillamp, DRL compatible with control wire (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
—	Capless Fuel Fill (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
J55	Brake system, heavy duty with front Brembo calipers and 16" front rotors (Included and only available with (9C1) Police Vehicle.)	Inc.
K3W	Battery, 850 cold-cranking amps with 95 amp hour rating (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
K6K	Battery, auxiliary, 760 cold-cranking amps with 70 amp hour rating (packaged behind left rear cargo area panel) (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
KX4	Alternator, 250 amps (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
RC1	Skid plate, front (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
T66	Wiring provision, for outside mirrors and cargo side mirrors (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
UT7	Ground wires, blunt cut cargo area and blunt cut console area (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
V03	Cooling system, extra capacity (Included and only available with (9C1) Police Vehicle or (NHT) Max Trailering Package. Not included when (LM2) Duramax 3.0L Turbo-Diesel I6 engine is ordered.)	Inc.
V76	Recovery hooks, 2 front, frame-mounted, Black (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle. Required on all models going to Alaska, Guam, Hawaii, Puerto Rico and Virgin Islands. All Tahoe (9C1) and (5W4) vehicles include front fascia with recovery hook openings.)	\$50.00

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial ( Complete)

ADDITIONAL EQUIPMENT - EXTERIOR		
CODE	DESCRIPTION	MSRP
6C7	Lighting, red and white front auxiliary dome Red and white LED auxiliary dome lamp is located on headliner between front row seats. The auxiliary lamp is wired independently from standard dome lamp (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$170.00
7X3	Spotlamp, left-hand Not available with SEO (7X2) left and right-hand spotlamps. Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$800.00
—	Exterior ornamentation delete (front & rear Chevrolet bowties will remain) (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
RAV	Tire, spare 275/55R20 all-season, blackwall, Firestone Firehawk Pursuit (Included and only available with (9C1) Police Vehicle.)	Inc.
RNQ	Wheel, full-size spare, matching 20" (50.8 cm) steel wheel without center cap (Included and only available with (9C1) Police Vehicle.)	Inc.
V53	Luggage rack side rails, delete (Included with (9C1) Police Vehicle or (5W4) Special Service Vehicle.) *CREDIT*	Inc.
WUA	Fascia, front high-approach angle (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.

Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Ewald Automotive Group

Scott Kussow | 262-567-5555 | skfleet@ewaldauto.com

Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

ADDITIONAL EQUIPMENT - INTERIOR

CODE	DESCRIPTION	MSRP
5J3	Calibration, Surveillance Mode interior lighting (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
6E2	Fleet Calibration provides a single key with a specific code that is common to the door locks of all the vehicles in the vehicle fleet. Key code is an alternate to SEO (6E8) complete vehicle fleet common key. NOTE: NOT COMPATIBLE with previous model years (Requires (AMF) Remote Keyless Entry Package. Includes (AU7) fleet common key with (9C1) Police Vehicle or (5W4) Special Service Vehicle. Not available with SEO (6E8) Fleet Calibration.)	\$25.00
6N5	Switches, rear window inoperative (rear windows can only operate from driver's position.) (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$57.00
6N6	Door locks and handles, inside rear doors inoperative (door can only be opened from outside) (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$62.00
—	Instrumentation, analog with certified 140 mph speedometer, odometer with trip odometer, engine hour meter, fuel level, voltmeter, engine temperature, oil pressure and tachometer (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
—	Power supply, 100-amp, auxiliary battery, rear electrical center (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
—	Power supply, 120-amp, (4) 30-amp circuit, Primary battery relay controlled, passenger compartment harness wiring (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
—	Power supply, 50-amp, power supply, auxiliary battery passenger compartment wiring harness (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
—	Theft-deterrent system, vehicle, PASS-Key III (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
ATD	Seat delete, third row passenger *CREDIT*	Inc.
AX2	Key, unique Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
BCV	Lock control, driver side auto door lock disable (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
UN9	Radio Suppression Package, with ground straps (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$95.00
UTQ	Theft-deterrent system content, disable, the alarm and horn become non-functional in an attempt of theft to the vehicle (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$50.00
VZ2	Speedometer calibration (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.

Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Ewald Automotive Group

Scott Kussow | 262-567-5555 | skfleet@ewaldauto.com

Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (Complete)

ADDITIONAL EQUIPMENT - SAFETY-INTERIOR

CODE	DESCRIPTION	MSRP
—	Seat belts, 3-point, all seating positions (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
R9L	Deleted 3 Years of Remote Access. (Requires (UE1) OnStar. Included and only available on vehicles being shipped to Puerto Rico, the Virgin Islands, or Guam.) *CREDIT*	(\$300.00)

ADDITIONAL EQUIPMENT - SAFETY-EXTERIOR

CODE	DESCRIPTION	MSRP
9G8	Headlamps, Daytime Running Lamps and automatic headlamp control delete deletes standard Daytime Running Lamps and automatic headlamp control features (Requires (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	\$50.00

ADDITIONAL EQUIPMENT - OTHER

CODE	DESCRIPTION	MSRP
—	Protected idle allows vehicle engine to remain idling and vehicle immobilized while FOB is outside vehicle (Included and only available (9C1) Police Vehicle or (5W4) Special Service Vehicle.)	Inc.
VXT	Incomplete vehicle (Included and only available with (9C1) Police Vehicle or (5W4) Special Service Vehicle. Included and only available with (ATZ) rear seat delete.)	Inc.

SHIP THRU CODES

CODE	DESCRIPTION	MSRP
VPV	Ship Thru, Produced in Arlington Assembly and shipped to Kerr Industries and onto Arlington Assembly (Included with SEO (6J8) White Left/White Right Whelen LED Lamp Package, SEO (6J9) Red Left/Red Right Whelen LED Lamp Package, SEO (6JE) Blue Left/Blue Right Whelen LED Lamp Package, SEO (6JG) Red Left/Blue Right Whelen LED Lamp Package, SEO (6C7) red and white front auxiliary dome lighting, SEO (6N6) door locks and handles, SEO (7X2) left- and right-hand spotlamps, SEO (7X3) left-hand spotlamp, SEO (T53) alternate flashing Red & Blue rear compartment lid warning lamps, SEO (UN9) Radio Suppression Package, SEO (6J3) grille lamps and siren speakers wiring, SEO (6J4) horn and siren circuit wiring and SEO (WX7) auxiliary speaker wiring.)	\$0.00

CUSTOM EQUIPMENT

CODE	DESCRIPTION	MSRP
Delivery	Delivery from Oconomowoc to Mukwonago	\$26.00
Options Total		\$1,215.00

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.



Vehicle: [Fleet] 2024 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial

(Complete)

Price Summary

PRICE SUMMARY		MSRP
	Base Price	\$53,450.00
	Total Options	\$1,215.00
	Vehicle Subtotal	\$54,665.00
	Destination Charge	\$1,995.00
	Grand Total	\$56,660.00

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.

Data Version: 20652. Data Updated: Oct 8, 2023 6:40:00 PM PDT.

Village of Mukwonago 2024 Revaluation of All Property

Important Information About Your Enclosed Notice of Assessment



Please review your official 2024 notice of assessment (enclosed). Your new assessed value is intended to represent the full market value of your property as of January 1, 2024. It is the result of the Village's comprehensive revaluation of all property in 2024. The goal of the revaluation program is to bring all assessed values to 100% market value, and to establish uniformity of assessed valuation, based upon the local real estate market.

The assessor's revaluation work has resulted in a 47.5% overall increase in the Village of Mukwonago's assessed values. All properties were newly assessed this year. The assessor did not rely on the previous year's assessments as a baseline. All assessments were completely redone using a new analysis of sale properties and market values. Some types of properties, and certain individual properties, were found to be extremely under-assessed relative to market conditions. These properties are experiencing significant increases in assessed value, which are necessary in order to catch up to current market value.

WHY: Wisconsin laws require periodic market updates to keep assessment levels at or very near actual market values and to re-establish uniformity of valuation among different types of properties.

Due to significant increases in sale prices of real estate, it has been necessary to make significant increases in assessed values to bring assessments in line with market values as of the beginning of this year. **This revaluation has resulted in an overall increase of 47.5% in the total assessed value of real estate in the Village of Mukwonago.**

IMPACT: You will not automatically pay more in property taxes purely due to a higher assessment.

The revaluation is revenue neutral, meaning that increased assessments will not bring greater tax revenue to the Village, County, or school districts. The total amount of property tax collection is determined through a process of budgeting and setting a tax levy amount. The overall tax levies may increase slightly from year-to-year, but the tax levies do not increase because of higher assessed values. Therefore, the increase of assessed values (tax base) will cause the mill rate to decrease. **In the end, if your property's assessed value increases by a percentage that is similar to the Village's overall percentage increase in assessed value, then your taxes will likely see only minor increases.**

Please do not attempt to estimate your property taxes by applying last year's mill rate (tax rate) to your new value. Last year's mill rate is no longer applicable. The total tax levy cannot be calculated until all the taxing authorities (School District, Technical College, County, State, and Municipality) have finalized and adopted their budgets. Because many of those budgets are not finalized until late November, the new tax rates cannot be determined until that time.

WHAT TO DO: Please review your new assessment carefully and thoughtfully.

Your assessment is a valuation of your property as of January 1, 2024. **The new assessed value should represent the value that your property could be sold for on the open market.** The next step will be an informal review period (Open Book) during which time the assessor's office may review your questions and concerns, and make changes if warranted. After the review period is the formal Board of Review appeal meeting, which functions like a quasi-judicial review, including formal hearings, testimony under oath, and presentation of evidence. If you disagree with your new assessed value, we strongly recommend that you participate in the informal Open Book review process before deciding whether to make a formal appeal at the Board of Review.

ADDITIONAL INFORMATION

For the 2024 Open Book meeting

If you want to discuss your assessed value with an assessor, please call ahead to make an appointment for the Open Book. Please call Associated Appraisal to make your appointment at least 24 hours in advance. For Open Book appointments by phone, the assessor will initiate the call at the appointed date and time. The assessor will be present for Open Book sessions by phone during the designated dates and times as shown below.

Thursday, June 6th, 2024 (9:00 AM – 5:00 PM) Over the phone by appointment

Friday, June 7th, 2024 (9:00 AM – 4:00 PM) Over the phone by appointment

You may call the assessor during regular business hours (Monday – Friday, 8:00 AM to 4:30 PM). You may call any time after receiving the enclosed notice, but no later than 7 days prior to the Board of Review to conduct an Open Book session. If the assessor is not available at the time of your call, we will make every effort to return your call within 24 hours. When leaving a message please provide your name, phone number, the Municipality in which the property is located, and the Parcel Number from your assessment notice or tax bill.

You may contact the assessor by phone at 920-749-1995, or by email at Info@apraz.com.

2024 Assessment Roll

Preliminary 2024 Assessment Roll and Department of Revenue instructional materials are available at the following link: <https://www.apraz.com/assessment-roll> or by scanning the QR code shown to the right.



For the 2024 Board of Review meeting

The Board of Review meets annually to hear any final objections to the current year's assessments. It is recommended that you contact the assessor to attempt to resolve any disputed assessment before making a formal appeal at the Board of Review. If you wish to enter a formal appeal, you must give notice of your intent to appeal by contacting the municipal clerk at least 48 hours before the Board of Review (BOR) begins. Please call the clerk at least 48 hours prior to the BOR to obtain an Objection Form and to make an appointment for the BOR. This form must be filled out in its entirety. Failure to provide 48 hours advance notice to the clerk may result in denial of a hearing at the BOR. The Board of Review date and times are as follows:

Wednesday, June 26th, 2024 (3:00 PM to adjournment) By appointment with the Clerk

The BOR is a quasi-judicial body that operates like a court. The BOR's function is to hear evidence and testimony for any formal objections to assessments and decide whether to uphold or change the assessment. Under state law, the BOR must presume the assessor's valuation is correct, unless the objector provides sufficient evidence to overcome that presumption. If you do not take action to make an objection at the BOR, this may result in the loss of any further appeal options for the 2024 assessment year.

**NOTICE TO VILLAGE OF MUKWONAGO PROPERTY OWNERS
ASSESSMENT ROLL IS OPEN FOR EXAMINATION AND OPEN BOOK**

Notice is hereby given that, pursuant to Wis. Stat. §70.45, the 2024 assessment roll for the Village of Mukwonago, Waukesha & Walworth Counties, will be open for examination starting on the 6th day of June, 2024 at 9:00 a.m. and thereafter during regular office hours at the Village Clerk's Office, and on the Village website at www.villageofmukwonago.gov.

Additionally, the Assessor shall be available on Thursday, June 6, 2024 from 9:00AM to 5:00PM and Friday, June 7, 2024 from 9:00AM to 4:00PM by Phone, for the Open Book which will be conducted by telephone or virtually, **BY APPOINTMENT ONLY**. Appointments with the Assessor should be made prior to June 6th by calling Associated Appraisal Consultants at (920) 749-1995.

Instructional materials will be provided at the Open Book to persons who wish to object to valuations under Wis. Stats. §70.47.

Notice is hereby given this 15th day of May, 2024.

Diana Dykstra, MMC
Village Clerk-Treasurer
Village of Mukwonago

NOTICE OF THE BOARD OF REVIEW FOR THE VILLAGE OF MUKWONAGO

NOTICE IS HEREBY GIVEN that the 2024 BOARD OF REVIEW for the Village of Mukwonago, Waukesha & Walworth Counties, shall hold its meeting on the 26th day of June, 2024 starting at 3:00 p.m. at the Mukwonago Municipal Building, 440 River Crest Court, Mukwonago.

Please be advised of the following requirements to appear before the Board of Review and procedural requirements if appearing before the Board:

1. After the first meeting of the board of review and before the board's final adjournment, no person who is scheduled to appear before the board of review may contact or provide information to a member of the board about the person's objection, except at a session of the board.
2. The board of review may not hear an objection to the amount or valuation of property unless, at least 48 hours before the board's first scheduled meeting, the objector provides to the board's clerk written or oral notice of an intent to file an objection, except that upon a showing of good cause and the submission of a written objection, the board shall waive that requirement during the first 2 hours of the board's first scheduled meeting, and the board may waive that requirement up to the end of the 5th day of the session or up to the end of the final day of the session if the session is less than 5 days with proof of extraordinary circumstances for failure to meet the 48-hour notice requirement and failure to appear before the board of review during the first 2 hours of the first scheduled meeting.
3. Objections to the amount or valuation of property shall first be made in writing and filed with the clerk of the board of review within the first 2 hours of the board's first scheduled meeting, except that, upon evidence of extraordinary circumstances, the board may waive that requirement up to the end of the 5th day of the session or up to the end of the final day of the session if the session is less than 5 days. The board may require objections to the amount or valuation of property to be submitted on forms approved by the Department of Revenue, and the board shall require that any forms include stated valuations of the property in question. Persons who own land and improvements to that land may object to the aggregate valuation of that land and improvements to that land, but no person who owns land and improvements to that land may object only to the valuation of that land or only to the valuation of improvements to that land. No person may be allowed in any action or proceedings to question the amount or valuation of property unless the written objection has been filed and that person in good faith presented evidence to the board in support of the objections and made full disclosure before the board, under oath, of all of that person's property liable to assessment in the district and the value of that property. The requirement that objections be in writing may be waived by express action of the board.
4. When appearing before the board of review, the objecting person shall specify in writing the person's estimate of the value of the land and of the improvements that are the subject of the person's objection and specify the information that the person used to arrive at that estimate.
5. No person may appear before the board of review, testify to the board by telephone, or object to a valuation if that valuation was made by the assessor or the objector using the income method of valuation, unless the person supplies the assessor with all the information about income and expenses, as specified in the assessor's manual under s. 73.03 (2a), Wis. stats., that the assessor requests. The Village of Mukwonago has an ordinance for the confidentiality of information about income and expenses that is provided to the assessor under this paragraph that provides exceptions for persons using information in the discharge of duties imposed by law or the duties of their officer or by order of a court.* The

information that is provided under this paragraph, unless a court determined that it is inaccurate, is not subject to the right of inspection and copying under s. 19.35 (1), Wis. stats.

6. The board shall hear upon oath, by telephone, all ill or disabled persons who present to the board a letter from a physician, surgeon, or osteopath that confirms their illness or disability. No other persons may testify by telephone unless the Board, in its discretion, has determined to grant a property owner's or their representative's request to testify under oath by telephone or written statement.
7. No person may appear before the board of review, testify to the board by telephone, or contest the amount of any assessment unless, at least 48 hours before the first meeting of the board, or at least 48 hours before the objection is heard if the objection is allowed under s.70.47 (3) (a), Wis. stats., that person provides to the clerk of the board of review notice as to whether the person will ask for the removal of a member of the board of review and, if so, which member, and provides a reasonable estimate of the length of time the hearing will take.

Respectfully submitted,
Diana Dykstra, MMC
Village Clerk-Treasurer
Village of Mukwonago