



**VILLAGE OF KIMBERLY, WI
NOTICE OF REGULAR WATER COMMISSION MEETING**

DATE: Tuesday, August 11, 2026
TIME: 11:00 am
LOCATION: Village Hall, Council Chambers
515 W. Kimberly Avenue
Kimberly, WI 54136

Notice is hereby given that the Kimberly Water Commission meeting will be held on Tuesday, August 11, 2026, in the Council Chambers, at the Village Hall. This is a public meeting, and the agenda is listed below.

- 1) Call to Order
- 2) Roll Call
- 3) Approval of Minutes from the 07/14/26 Meeting
- 4) Unfinished Business
 - a) None
- 5) New Business for Consideration
 - a) Bills and Claims, and Financial Statements for the month June 2026
 - b) Request for Consideration-Corrosion Control Chemical Change
- 6) Reports
 - a) Superintendent's Report
- 7) Public Participation
- 8) Adjournment

Water Commission Meeting 08/11/2026

Aug 11, 2026, 11:00 AM – 12:00 PM (America/Chicago)

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REGULAR MEETING OF THE KIMBERLY WATER COMMISSION
MINUTES
July 14, 2026

Chairman Johnson called the meeting to order at 11:00 am. Commissioners Hanson, Steinen and Hietpas appeared in person. Also attending the meeting were Administrator/Public Works Director Block, Water Superintendent Verstegen, and Utility Billing Clerk Brown.

Approval of Minutes from the June 9, 2026, Meeting

Commissioner Steinen moved, Hietpas seconded the motion to approve the Water Commission minutes of the June 9, 2026, meeting. The motion carried by unanimous vote of the Commission.

Unfinished Business

Administrator/Public Works Director Block informed the Water Commission that the application for the Safe Drinking Water Loan Program had been submitted.

New Business

Bills and Claims, and Financial Statements for the month of May-2026

Commissioner Hanson moved, Steinen seconded the motion to accept the Bills, Claims, and Financial Statements for May 2026.

Reports

Superintendent's Report

In addition to his report, Superintendent Verstegen noted that fans on VFD at Well 1 failed and caused errors. New fans were ordered and installed.

A meeting was held with McMahon about corrosion control and the chlorine switch over. A finalized letter will be presented to the Village board next month and then presented to the Water Commission at the August meeting. After approval the department would move ahead with DNR submittals. Spring of 2027 looks like the tentative implementation date.

Lead and copper samples were taken. Some higher readings were discovered, but they were within acceptable ranges. Additional samples were taken, and the readings had improved. Switching to Ortho Phosphate in the future will help.

Public Participation

None

Adjournment

Commissioner Steinen moved, Hanson seconded the motion to adjourn. The motion carried by unanimous vote and the Commission adjourned at 11:12 am.

A handwritten signature in cursive script, reading "Danielle Block", written over a horizontal line.

Danielle Block
Secretary

Dated July 17, 2026

Drafted by SKB

Approved by Water Commission on _____

SUMMARY OF ACCOUNTS 2026 (2nd Qtr)

General Fund Checking Account xxxxxxxx 9241

Beginning Balance	\$1,335,841.43	\$1,200,817.16	\$581,390.67
Deposits	\$784,304.08	\$863,555.17	\$1,893,107.95
Withdrawals	\$919,600.67	\$1,483,182.87	\$2,424,538.09
Interest	\$272.32	\$201.21	\$39.47
Ending Balance	\$1,200,817.16	\$581,390.67	\$50,000.00
	April	May	June

General Fund Money Market Account xxxxxxxx0273

Beginning Balance	\$5,261,759.97	\$5,271,187.89	\$5,280,947.53
Deposits	\$0.00	\$0.00	\$1,502,460.21
Withdrawals	\$0.00	\$0.00	\$643,701.44
Interest	\$9,427.92	\$9,759.64	\$15,865.21
Ending Balance	\$5,271,187.89	\$5,280,947.53	\$6,155,571.51
	April	May	June

Property Tax Savings Account xxxxxxxx 9000

Beginning Balance	\$3,509,256.87	\$3,520,303.82	\$3,531,754.93
Deposits	\$0.00	\$0.00	\$0.00
Withdrawals	\$0.00	\$0.00	\$0.00
Fee	\$0.00	\$0.00	\$0.00
Interest	\$11,046.95	\$11,451.11	\$11,117.77
Ending Balance	\$3,520,303.82	\$3,531,754.93	\$3,542,872.70
	April	May	June

Water Department Business Money Market Account xxxxxxxx 9274

Beginning Balance	\$736,506.95	\$737,826.61	\$739,192.70
Deposits	\$0.00	\$0.00	\$0.00
Withdrawals	\$0.00	\$0.00	\$0.00
Fee	\$0.00	\$0.00	\$0.00
Interest	\$1,319.66	\$1,366.09	\$1,953.45
Ending Balance	\$737,826.61	\$739,192.70	\$741,146.15
	April	May	June

Trust Accounts Business Money Market Account xxxxxxxx 5275

Beginning Balance	\$4,811,852.28	\$4,957,629.36	\$4,757,851.42
Deposits	\$135,916.38	\$39,979.98	\$0.00
Withdrawals	\$0.00	\$250,020.59	\$0.00
Fee	\$0.00	\$0.00	\$0.00
Interest	\$9,860.70	\$10,262.67	\$9,659.09
Ending Balance	\$4,957,629.36	\$4,757,851.42	\$4,767,510.51
	April	May	June

American Deposit Mgt. Money Market Account (ADM) GOPN dated 03-03-25

Beginning Balance	\$1,413,272.68	\$1,224,662.35	\$1,221,019.88
Deposits	\$0.00	\$0.00	\$0.00
Withdrawals	\$192,438.77	\$7,156.96	\$33,999.45
Fee	\$0.00	\$0.00	\$0.00
Interest	\$3,828.44	\$3,514.49	\$3,476.71
Ending Balance	\$1,224,662.35	\$1,221,019.88	\$1,190,497.14
	April	May	June

American Deposit Mgt. Money Market Account (ADM) TID 4

Beginning Balance	\$202,144.64	\$202,727.81	\$203,162.41
Deposits	\$0.00	\$0.00	\$0.00
Withdrawals	\$0.00	\$150.00	\$0.00
Fee	\$0.00	\$0.00	\$0.00
Interest	\$583.17	\$584.60	\$586.11
Ending Balance	\$202,727.81	\$203,162.41	\$203,748.52
	April	May	June

American Deposit Mgt. Money Market Account (ADM) TID 5

Beginning Balance	\$1,638,717.31	\$1,643,444.90	\$1,648,035.87
Deposits	\$0.00	\$0.00	\$0.00
Withdrawals	\$0.00	\$150.00	\$37,578.82
Fee	\$0.00	\$0.00	\$0.00
Interest	\$4,727.59	\$4,740.97	\$4,703.88
Ending Balance	\$1,643,444.90	\$1,648,035.87	\$1,615,160.93
	April	May	June

American Deposit Mgt. Money Market Account (ADM) TID 6

Beginning Balance	\$6,145,155.87	\$5,233,691.62	\$5,232,497.70
Deposits	\$0.00	\$0.00	\$65,122.00
Withdrawals	\$929,086.45	\$16,284.03	\$817,240.21
Fee	\$0.00	\$0.00	\$0.00
Interest	\$17,622.20	\$15,090.11	\$14,084.89
Ending Balance	\$5,233,691.62	\$5,232,497.70	\$4,494,464.38
	April	May	June

Report Criteria:

Report type: GL detail

Invoice Detail.GL account = "0011111","601","602"

Check.Voided = No

Invoice Number	Description	Invoice Date	Invoice Amount	Invoice GL Account	Invoice GL Account Title
ABT MAILCOM INC					
55573	BILLS PROCESSING AND MAILING	05/28/2026	651.02	601-0921-200	OFFICE SUPPLIES EXPENSES
Total ABT MAILCOM INC:			651.02		
ACC INC					
40920	WELL # 1 MAINT	06/23/2026	331.98	601-0935-200	MAINTENANCE GENERAL
Total ACC INC:			331.98		
AT&T					
9206879021 M	H20 TELEMETRY LINE	04/29/2026	16.76	601-0921-200	OFFICE SUPPLIES EXPENSES
Total AT&T:			16.76		
BADGER METER INC					
80239369	BEACON MBL HOSTING SERV UNIT, O	05/28/2026	266.19	601-0901-201	MAINTENANCE CONTRACT
Total BADGER METER INC:			266.19		
DONALD HIETPAS & SONS INC					
1125	SERVICE	06/22/2026	4,892.60	601-0652-200	MAINT. OF SERVICES EXPENSES
McM. No. K00	CERT 2 SCHNIDLER/FULCER & PINE/	05/26/2026	49,679.15	601-0977-240	SCHINDLER DRIVE RECONSTRUCTIO
Total DONALD HIETPAS & SONS INC:			54,571.75		
Ehlers and Associates					
100944	2025 WATER RATE STUDY	06/25/2026	5,000.00	601-0923-200	OUTSIDE EXPENSES
Total Ehlers and Associates:			5,000.00		
ELAN FINANCIAL SERVICES					
JENNIFER JU	WATER DEPT SUPPLIES	06/15/2026	71.82	601-0921-200	OFFICE SUPPLIES EXPENSES
Total ELAN FINANCIAL SERVICES:			71.82		
FERGUSON WATERWORKS #1476					
0475452	HYDRANT BLOW OFFS	05/19/2026	395.00	601-0651-200	MAINT. OF MAINS EXPENSES
0475452	HYDRANT BLOW OFFS	05/19/2026	215.96	601-0652-200	MAINT. OF SERVICES EXPENSES
0477937	WATER BREAK CLAMPS	06/15/2026	1,626.29	601-0651-200	MAINT. OF MAINS EXPENSES
Total FERGUSON WATERWORKS #1476:			2,237.25		
GRAINGER					
9945529528	WELL MAINT # 1	06/16/2026	3,701.20	601-0625-041	DEEPWELL PH #1
Total GRAINGER:			3,701.20		
HAWKINS INC					
7448232	WELL # 1 CHEMICALS	06/05/2026	2,283.55	601-0631-010	PUMPHOUSE #1
7448233	CHLORIDE CYLINDER, CHLORINE, SO	06/05/2026	2,400.00	601-0631-030	PUMPHOUSE #3

Invoice Number	Description	Invoice Date	Invoice Amount	Invoice GL Account	Invoice GL Account Title
Total HAWKINS INC:			4,683.55		
KWIK TRIP INC					
06202026	VEHICLE	06/16/2026	473.03	601-0933-200	TRANSPORTATION EXPENSES
Total KWIK TRIP INC:			473.03		
Lazer Utility Locating					
2498	WATER LOCATES	05/31/2026	1,750.00	601-0935-200	MAINTENANCE GENERAL
Total Lazer Utility Locating:			1,750.00		
MCMAHON ASSOCIATES INC					
00943213	09-26-00180-02 SANITARY 2026 GIS U	06/05/2026	287.50	601-0655-200	GIS MAPPING
00943218	09-25-00633-04 WATER SCHINDLER D	05/20/2026	1,774.94	601-0977-240	SCHINDLER DRIVE RECONSTRUCTIO
Total MCMAHON ASSOCIATES INC:			2,062.44		
MENARDS					
95448	GENERAL WATER	06/16/2026	21.98	601-0935-200	MAINTENANCE GENERAL
95845	WATER SUPPLIES	06/22/2026	95.97	601-0935-200	MAINTENANCE GENERAL
96141	PLUMBING SUPPLIES AND TARP	06/17/2026	61.03	601-0935-200	MAINTENANCE GENERAL
Total MENARDS:			178.98		
MIDWEST CONTRACT OPERATION INC					
33004	VEHICLE	06/16/2026	392.40	601-0933-200	TRANSPORTATION EXPENSES
INV32943	DRINKING WATER SERVICES	06/01/2026	27,156.95	601-0923-100	MCO ALLOCATED LABOR
Total MIDWEST CONTRACT OPERATION INC:			27,549.35		
MIDWEST METER INC					
0184779-IN	METER BASE/PARTS	01/06/2026	69,000.00	601-0653-200	MAINT. OF METERS EXPENSES
0189254-IN	MISC METER SUPPLIES	06/16/2026	306.79	601-0653-200	MAINT. OF METERS EXPENSES
Total MIDWEST METER INC:			69,306.79		
MIDWEST SALT					
459847	MVP INDUSTRIAL COARSE SOLAR	05/22/2026	3,793.29	601-0631-020	PUMPHOUSE #2
460020	MVP INDUSTRIAL COARSE SOLAR	06/01/2026	3,712.59	601-0631-030	PUMPHOUSE #3
460145	SALT WELL # 1	06/16/2026	3,373.00	601-0631-010	PUMPHOUSE #1
460302	MVP-INDUSTRIAL SOLAR COARSE SA	06/16/2026	3,861.82	601-0631-020	PUMPHOUSE #2
460412	SALT WELL # 3	06/22/2026	3,898.37	601-0631-030	PUMPHOUSE #3
Total MIDWEST SALT:			18,639.07		
POSTAL EXPRESS & MORE LLC					
277392	WATER SAMPLE	06/16/2026	18.26	601-0638-200	WATER TESTING/ANALYSIS EXPE
POSTAL EXP	WATER SAMPLE	06/01/2026	21.26	601-0638-200	WATER TESTING/ANALYSIS EXPE
Total POSTAL EXPRESS & MORE LLC:			39.52		
TDS					
0128751137 M	PHONE LINES/INTERNET-WATER	05/22/2026	34.94	601-0921-200	OFFICE SUPPLIES EXPENSES

Invoice Number	Description	Invoice Date	Invoice Amount	Invoice GL Account	Invoice GL Account Title
Total TDS:			34.94		
WE ENERGIES					
5953473383	WE WELL # 1 POWER	06/16/2026	7,639.31	601-0622-010	PUMPHOUSE #1
5953473383	WE WELL # 2 POWER	06/16/2026	1,748.41	601-0622-020	PUMPHOUSE #2
5953473383	WE WELL # 2 GAS	06/16/2026	9.57	601-0623-020	PUMPHOUSE #2
5953473383	WE WELL # 3 POWER	06/16/2026	7,442.06	601-0622-030	PUMPHOUSE #3
5953473383	WE TOWER #1 POWER	06/16/2026	21.91	601-0622-040	WATER TOWER #1
5953473383	WE TOWER #1 GAS	06/16/2026	9.57	601-0623-040	WATER TOWER #1
5953473383	WE WELL # 3 GAS	06/16/2026	13.24	601-0623-030	PUMPHOUSE #3
5953473383	WE WELL # 1 GAS	06/16/2026	29.21	601-0623-010	PUMPHOUSE #1
Total WE ENERGIES:			16,913.28		
WISCONSIN DEPT OF NATURAL RESOURCES					
WU119158	GENERAL WATER	06/16/2026	1,470.00	601-0935-200	MAINTENANCE GENERAL
Total WISCONSIN DEPT OF NATURAL RESOURCES:			1,470.00		
WISCONSIN RURAL WATER ASSOC					
S7714	GENERAL WATER	06/16/2026	575.00	601-0935-200	MAINTENANCE GENERAL
Total WISCONSIN RURAL WATER ASSOC:			575.00		
Grand Totals:			210,523.92		

Report Criteria:

Report type: GL detail

Invoice Detail.GL account = "0011111","601","602"

Check.Voided = No

VILLAGE OF KIMBERLY
REVENUES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING JUNE 30, 2026

WATER DEPARTMENT

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>PUBLIC CHARGES FOR SERVICES</u>					
601-46-0461	METERED SALES-RESIDENTIAL	44,354.39	261,573.80	629,462.00	367,888.20	41.6
601-46-0462	METERED SALES-COMMERCIAL	22,758.02	46,349.80	100,260.00	53,910.20	46.2
601-46-0463	METERED SALES-INDUSTRIAL	17,682.72	36,110.49	77,397.00	41,286.51	46.7
601-46-0464	METERED SALES-MULTI FAM RES	8,103.32	38,378.28	72,457.00	34,078.72	53.0
601-46-0466	OTHER SALES-PUBLIC AUTHORIT	6,676.71	12,661.37	17,000.00	4,338.63	74.5
601-46-0467	WHOLESALE WATER	74,439.95	360,674.12	682,650.00	321,975.88	52.8
601-46-0469	PRIVATE FIRE PROTECTION	9,218.00	21,884.00	45,000.00	23,116.00	48.6
	TOTAL PUBLIC CHARGES FOR SERVICES	183,233.11	777,631.86	1,624,226.00	846,594.14	47.9
	<u>INTERGOVN CHRGS FOR SERVICES</u>					
601-47-0470	HYDRANT RENTAL-KIMBERLY	35,926.56	167,715.58	395,000.00	227,284.42	42.5
601-47-0471	HYDRANT RENTAL-WHOLESALE	5,280.00	31,680.00	89,000.00	57,320.00	35.6
601-47-0474	OTHER WATER REVENUES	1,030.00	5,898.15	15,000.00	9,101.85	39.3
601-47-0475	WATER LATERAL ASSESSMENTS	.00	.00	405.00	405.00	.0
601-47-0478	SALE OF SCRAP MATERIALS	.00	1,222.00	.00	(1,222.00)	.0
	TOTAL INTERGOVN CHRGS FOR SERVICES	42,236.56	206,515.73	499,405.00	292,889.27	41.4
	<u>MISCELLANEOUS REVENUE</u>					
601-48-0419	INTEREST AND DIVIDENDS	19.74	8,644.70	22,500.00	13,855.30	38.4
601-48-0420	SPECIAL ASSESSMENT INTEREST	.00	.00	150.00	150.00	.0
601-48-0421	ANTENNA RENTAL (JAN-JUN)	10,897.45	49,115.92	85,040.00	35,924.08	57.8
601-48-0480	FORFEITED DISCOUNTS	841.98	5,374.39	12,570.00	7,195.61	42.8
	TOTAL MISCELLANEOUS REVENUE	11,759.17	63,135.01	120,260.00	57,124.99	52.5
	<u>OTHER FINANCING SOURCES</u>					
601-49-4930	FUND BALANCE APPLIED	.00	.00	484,800.00	484,800.00	.0
	TOTAL OTHER FINANCING SOURCES	.00	.00	484,800.00	484,800.00	.0
	TOTAL FUND REVENUE	237,228.84	1,047,282.60	2,728,691.00	1,681,408.40	38.4

VILLAGE OF KIMBERLY
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING JUNE 30, 2026

WATER DEPARTMENT

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	<u>TAXES</u>					
601-0508-200	TAXES EXPENSES	35.70	215.14	168,000.00	167,784.86	.1
	TOTAL TAXES	35.70	215.14	168,000.00	167,784.86	.1
	<u>POWER</u>					
601-0622-010	PUMPHOUSE #1	7,639.31	38,762.54	83,110.00	44,347.46	46.6
601-0622-020	PUMPHOUSE #2	1,748.41	8,800.01	25,400.00	16,599.99	34.7
601-0622-030	PUMPHOUSE #3	7,442.06	46,000.02	85,400.00	39,399.98	53.9
601-0622-040	WATER TOWER #1	21.91	155.51	400.00	244.49	38.9
601-0622-050	WATER TOWER #2	.00	.00	400.00	400.00	.0
	TOTAL POWER	16,851.69	93,718.08	194,710.00	100,991.92	48.1
	<u>SUPPLIES - GAS</u>					
601-0623-010	PUMPHOUSE #1	29.21	926.86	3,152.00	2,225.14	29.4
601-0623-020	PUMPHOUSE #2	9.57	220.05	1,017.00	796.95	21.6
601-0623-030	PUMPHOUSE #3	13.24	116.41	570.00	453.59	20.4
601-0623-040	WATER TOWER #1	9.57	52.21	146.00	93.79	35.8
	TOTAL SUPPLIES - GAS	61.59	1,315.53	4,885.00	3,569.47	26.9
	<u>MAINTENANCE - PUMPING</u>					
601-0625-041	DEEPWELL PH #1	3,701.20	4,725.26	5,000.00	274.74	94.5
601-0625-042	DEEPWELL PH #2	.00	1,017.60	5,000.00	3,982.40	20.4
601-0625-043	DEEPWELL PH#3	.00	1,071.50	5,000.00	3,928.50	21.4
601-0625-070	TELEMETRY	.00	13,034.36	7,500.00	(5,534.36)	173.8
601-0625-100	LABOR	.00	11,405.92	39,110.00	27,704.08	29.2
	TOTAL MAINTENANCE - PUMPING	3,701.20	31,254.64	61,610.00	30,355.36	50.7
	<u>CHEMICALS</u>					
601-0631-010	PUMPHOUSE #1	5,656.55	46,826.35	125,000.00	78,173.65	37.5
601-0631-020	PUMPHOUSE #2	15,164.04	40,140.45	75,000.00	34,859.55	53.5
601-0631-030	PUMPHOUSE #3	14,000.70	63,742.26	125,000.00	61,257.74	51.0
	TOTAL CHEMICALS	34,821.29	150,709.06	325,000.00	174,290.94	46.4

VILLAGE OF KIMBERLY
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING JUNE 30, 2026

WATER DEPARTMENT

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	<u>MAINTENANCE-SOFTENING</u>					
601-0635-010	PUMPHOUSE #1	.00	1,805.46	15,000.00	13,194.54	12.0
601-0635-020	PUMPHOUSE #2	.00	630.79	15,000.00	14,369.21	4.2
601-0635-030	PUMPHOUSE #3	.00	648.89	15,000.00	14,351.11	4.3
601-0635-041	HOV DISCHARGE-PUMPHOUSE #1	9,243.00	9,243.00	59,682.00	50,439.00	15.5
601-0635-042	HOV DISCHARGE-PUMPHOUSE #2	9,811.35	9,811.35	60,303.00	50,491.65	16.3
601-0635-043	HOV DISCHARGE-PUMPHOUSE #3	7,395.75	7,395.75	53,500.00	46,104.25	13.8
601-0635-100	LABOR	.00	16,294.17	48,885.00	32,590.83	33.3
	TOTAL MAINTENANCE-SOFTENING	26,450.10	45,829.41	267,370.00	221,540.59	17.1
	<u>WATER TESTING/ANALYSIS</u>					
601-0638-200	WATER TESTING/ANALYSIS EXPE	4,481.90	5,900.36	11,500.00	5,599.64	51.3
	TOTAL WATER TESTING/ANALYSIS	4,481.90	5,900.36	11,500.00	5,599.64	51.3
	<u>MAINTENANCE STORAGE TANKS</u>					
601-0650-100	LABOR	.00	2,444.13	9,780.00	7,335.87	25.0
601-0650-200	MAINT. STORAGE TANKS EXPENS	.00	.00	5,000.00	5,000.00	.0
	TOTAL MAINTENANCE STORAGE TANKS	.00	2,444.13	14,780.00	12,335.87	16.5
	<u>MAINTENANCE OF MAINS</u>					
601-0651-100	LABOR	.00	12,225.19	74,955.00	62,729.81	16.3
601-0651-200	MAINT. OF MAINS EXPENSES	2,021.29	26,680.76	95,000.00	68,319.24	28.1
	TOTAL MAINTENANCE OF MAINS	2,021.29	38,905.95	169,955.00	131,049.05	22.9
	<u>MAINTENANCE OF SERVICES</u>					
601-0652-100	LABOR	.00	4,892.30	58,660.00	53,767.70	8.3
601-0652-200	MAINT. OF SERVICES EXPENSES	5,108.56	7,937.18	25,000.00	17,062.82	31.8
	TOTAL MAINTENANCE OF SERVICES	5,108.56	12,829.48	83,660.00	70,830.52	15.3
	<u>MAINTENANCE OF METERS</u>					
601-0653-100	LABOR	.00	12,224.68	26,070.00	13,845.32	46.9
601-0653-200	MAINT. OF METERS EXPENSES	306.79	69,631.79	80,000.00	10,368.21	87.0
601-0653-201	WHOLESALE METERS	.00	.00	5,000.00	5,000.00	.0
	TOTAL MAINTENANCE OF METERS	306.79	81,856.47	111,070.00	29,213.53	73.7

VILLAGE OF KIMBERLY
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING JUNE 30, 2026

WATER DEPARTMENT

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	<u>MAINTENANCE OF HYDRANTS</u>					
601-0654-100	LABOR	.00	1,629.42	13,040.00	11,410.58	12.5
601-0654-200	MAINT. OF HYDRANTS EXPENSES	.00	3,635.18	25,500.00	21,864.82	14.3
	TOTAL MAINTENANCE OF HYDRANTS	.00	5,264.60	38,540.00	33,275.40	13.7
	<u>GIS MAPPING</u>					
601-0655-200	GIS MAPPING	287.50	1,392.50	6,200.00	4,807.50	22.5
	TOTAL GIS MAPPING	287.50	1,392.50	6,200.00	4,807.50	22.5
	<u>METER READER</u>					
601-0901-100	WAGES	.00	2,444.13	9,775.00	7,330.87	25.0
601-0901-200	METER READER EXPENSES	.00	.00	3,600.00	3,600.00	.0
601-0901-201	MAINTENANCE CONTRACT	1,217.94	3,241.20	5,500.00	2,258.80	58.9
	TOTAL METER READER	1,217.94	5,685.33	18,875.00	13,189.67	30.1
	<u>ADMINISTRATIVE SALARIES</u>					
601-0920-100	WAGES	466.66	44,028.83	164,742.00	120,713.17	26.7
	TOTAL ADMINISTRATIVE SALARIES	466.66	44,028.83	164,742.00	120,713.17	26.7
	<u>OFFICE SUPPLIES AND EXPENSE</u>					
601-0921-200	OFFICE SUPPLIES EXPENSES	2,269.87	14,767.83	25,697.00	10,929.17	57.5
	TOTAL OFFICE SUPPLIES AND EXPENSE	2,269.87	14,767.83	25,697.00	10,929.17	57.5
	<u>OUTSIDE SERVICES</u>					
601-0923-100	MCO ALLOCATED LABOR	27,156.95	81,470.85	.00	(81,470.85)	.0
601-0923-200	OUTSIDE EXPENSES	5,000.00	10,725.88	15,155.00	4,429.12	70.8
	TOTAL OUTSIDE SERVICES	32,156.95	92,196.73	15,155.00	(77,041.73)	608.4
	<u>INSURANCE EXPENSE</u>					
601-0924-200	INSURANCE EXPENSES	.00	3,337.00	13,347.00	10,010.00	25.0
	TOTAL INSURANCE EXPENSE	.00	3,337.00	13,347.00	10,010.00	25.0

VILLAGE OF KIMBERLY
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING JUNE 30, 2026

WATER DEPARTMENT

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	<u>EMPLOYEE PENSION AND BENEFIT</u>					
601-0926-200	EMPLOYEE PENSION/BENEFIT EX	.00	3.62	.00	(3.62)	.0
	TOTAL EMPLOYEE PENSION AND BENEFIT	.00	3.62	.00	(3.62)	.0
	<u>REGULATORY COMM. EXPENSE</u>					
601-0928-200	REGULATORY COMM. EXPENSES	.00	864.56	1,800.00	935.44	48.0
	TOTAL REGULATORY COMM. EXPENSE	.00	864.56	1,800.00	935.44	48.0
	<u>MISC GENERAL EXPENSE</u>					
601-0930-200	MISC GENERAL EXPENSES	.00	.00	10,000.00	10,000.00	.0
	TOTAL MISC GENERAL EXPENSE	.00	.00	10,000.00	10,000.00	.0
	<u>TRANSPORTATION EXPENSE</u>					
601-0933-200	TRANSPORTATION EXPENSES	865.43	3,525.30	9,000.00	5,474.70	39.2
	TOTAL TRANSPORTATION EXPENSE	865.43	3,525.30	9,000.00	5,474.70	39.2
	<u>GENERAL PLANT</u>					
601-0935-100	LABOR	.00	3,258.83	9,780.00	6,521.17	33.3
601-0935-200	MAINTENANCE GENERAL	4,825.85	12,954.99	32,500.00	19,545.01	39.9
	TOTAL GENERAL PLANT	4,825.85	16,213.82	42,280.00	26,066.18	38.4
	<u>CAPITAL OUTLAY-OTHER EXPENSE</u>					
601-0977-200	HYDRANTS	.00	.00	25,000.00	25,000.00	.0
601-0977-229	WELL 1 & 3 CHLORINE UPGRADE	.00	.00	35,000.00	35,000.00	.0
601-0977-236	SCADA SYSTEM UPGRADE/REPLACE	.00	.00	50,000.00	50,000.00	.0
601-0977-237	WELL #3 RESIN REPLACEMENT	.00	.00	125,000.00	125,000.00	.0
601-0977-238	WELL #2 RESIN REPLACEMENT	.00	.00	100,000.00	100,000.00	.0
601-0977-239	CORROSION CONTROL CHEMICAL	.00	.00	35,000.00	35,000.00	.0
601-0977-240	SCHINDLER DRIVE RECONSTRUCTION	66,472.98	75,730.48	445,515.00	369,784.52	17.0
601-0977-241	WELL #1 ROOF REPLACEMENT	.00	.00	55,000.00	55,000.00	.0
601-0977-242	PRIVATE LEAD FUNDING	1,402.50	1,402.50	100,000.00	98,597.50	1.4
	TOTAL CAPITAL OUTLAY-OTHER EXPENSE	67,875.48	77,132.98	970,515.00	893,382.02	8.0

VILLAGE OF KIMBERLY
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING JUNE 30, 2026

	WATER DEPARTMENT				
	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
TOTAL FUND EXPENDITURES	203,805.79	729,391.35	2,728,691.00	1,999,299.65	26.7
NET REVENUE OVER EXPENDITURES	33,423.05	317,891.25	.00	(317,891.25)	.0

**Kimberly Water Utility/Village Board
REQUEST FOR CONSIDERATION**

**ITEM DESCRIPTION: Corrosion Control Chemical Change
Review/Approval**

REPORT PREPARED BY: Jerry Verstegen

REPORT DATE: August 5, 2026

ADMINISTRATOR'S REVIEW / COMMENTS:

No additional comments to this report _____

See additional comments attached _____

EXPLANATION: The Village of Kimberly Water Utility provides drinking water from three groundwater supply wells and associated ion exchange softening treatment facilities (Well #1 – John Street, Well #2 – Lincoln Street, and Well #3 – Fulcer Avenue/Sunset Park). The Village currently feeds sodium silicate at each well site for corrosion control treatment, which is intended to limit the release of lead and copper from service lines and premise plumbing.

McMahon Engineers/Architects completed a Water System Corrosion Control Treatment Evaluation dated August 4, 2026. As part of the evaluation, water quality analyses and corrosion prediction modeling were performed by two chemical suppliers, Hawkins, Inc. and Martelle Water Treatment, Inc. The corrosion indices calculated for the Village's treated water (Langelier Saturation Index of –1.10 to –0.46, Ryznar Stability Index of 7.75 to 8.52, Puckorius Scaling Index of 7.2 to 8.0, and Larson-Skold Index of 0.65 to 2.39) indicate the water supply is non-scale forming and mildly to highly corrosive toward metal piping.

Both suppliers independently recommended replacing sodium silicate with a blended phosphate product. Blended phosphates provide dual treatment functionality: the orthophosphate component forms a protective scale on pipe interiors to control lead and copper release, while the polyphosphate component sequesters residual iron, manganese, and hardness to maintain the aesthetic quality of the water. Hawkins proposed its LPC-31 product (75:25 ortho-to-polyphosphate blend) and Martelle proposed the Carus 8600 product (70:30 blend). The US EPA's Optimal Corrosion Control Treatment Evaluation guidance (Flowchart 3b) was applied to the Village's finished water characteristics and supports the switch from sodium silicate to blended phosphate.

Regardless of the supplier and product selected, the engineer recommends the chemical be dosed to maintain an orthophosphate residual above 1.5 mg/L (1.5 to 3.0 mg/L) in the distribution system, consistent with Wisconsin Department of Natural Resources (DNR) recommendations and real-world performance data from applications throughout Wisconsin and beyond.

Budget: The conversion is an operational change in treatment chemical rather than a capital project. Blended phosphate would be fed at the well sites in place of sodium silicate, and ongoing chemical costs would continue to be funded through the Water Utility's operating budget for treatment chemicals.

Anticipated budget considerations include:

- Chemical supply: purchase of blended phosphate under supplier quotation in place of the current sodium silicate purchases.
- Feed equipment: blended phosphate is a liquid fed by chemical injection pump; existing feed equipment would be reviewed for compatibility, with only minor modifications anticipated, if any.
- Monitoring: routine orthophosphate residual testing in the distribution system (e.g., field test kits and reagents) to verify the target residual of 1.5 to 3.0 mg/L is maintained.

Overall, the change is expected to be accommodated within the Water Utility's ordinary operation and maintenance budget. Final pricing will be established through quotations from the chemical suppliers.

RECOMMENDED ACTION: Based on the water quality analyses, the recommendations of both chemical suppliers, and the supporting US EPA guidance, it is recommended that the Village Water Commission/Board **approve switching the Water Utility's corrosion control treatment from sodium silicate to a blended phosphate product** containing an orthophosphate-to-polyphosphate ratio of at least 70:30, dosed to maintain an orthophosphate residual of 1.5 to 3.0 mg/L in the distribution system, consistent with the McMahon Engineers/Architects memorandum dated August 4, 2026 and Wisconsin DNR recommendations.

MEMORANDUM

WATER SYSTEM CORROSION CONTROL TREATMENT EVALUATION

VILLAGE OF KIMBERLY

OUTAGAMIE COUNTY, WISCONSIN

PREPARED BY



August 4, 2026

McM. No. K0001-09-26-00477.04

A. INTRODUCTION

The Village of Kimberly's Water Utility owns and maintains a municipal water supply and distribution system that provides drinking water from three groundwater supply wells and associated ion exchange softening treatment facilities located at the following sites:

- Well #1 – John Street
- Well #2 – Lincoln Street
- Well #3 – Fulcer Avenue/Sunset Park

The Village currently employs sodium silicate at each well site for corrosion control treatment. The Village is considering changing its corrosion control treatment method to provide a more effective means of preventing the release of lead and copper from service lines and premise plumbing through the distribution system.

B. CORROSION INDICES & CORROSION CONTROL TREATMENT

Water Utilities commonly add orthophosphate blended phosphate, and sodium silicate, or perform pH and alkalinity adjustment for distribution system corrosion control by altering the chemical environment within the distribution system to promote the formation of stable protective scales or coatings on the interior of the pipe. This protective scale acts as a barrier between the water and the pipe material, reducing metal corrosion and minimizing the release of lead, copper, and other metals into the drinking water.

Martelle Water Treatment, Inc. and Hawkins, Inc. recently performed water quality analyses to identify the corrosion potential of the Village's treated water supply. Their analyses and corrosion prediction modeling are attached for reference purposes.

- Langelier Saturation Index (LSI) was calculated in the range of -1.10 to -0.46, indicating that the water is undersaturated with calcium carbonate and tends to dissolve metal from plumbing.
- Ryznar Stability Index scores in the range of 7.75 to 8.52 indicate that the Village's water supply is considered mildly corrosive.
- Puckorius Scaling Index scores in the range of 7.2 to 8.0 indicate a high tendency for the water to cause corrosion.
- Larson-Skold Index scores were in the range of 0.65 to 2.39, whereas scores above 0.2 generally show a tendency for corrosion.

- Calcium Carbonate Precipitation Potential (CCPP) index values ranging from -14.37 to -3.63 with the negative values indicating the water is undersaturated and tends to dissolve metal piping materials.
- Lead and copper solubility were calculated in the ranges of 1.76 to 3.19 ug/L and 2.7 to 6.3 mg/L, respectively. The trigger level and action level for lead are 10 ug/L and 15 ug/L, respectively, while the action level for copper is 1.3 mg/L but comes concerning above 1 mg/L.

The water quality analyses and associated modeling of corrosion indices indicate that the Village's treated water supply is considered non-scale forming and mildly to highly corrosive toward metal piping.

Each chemical supplier recommended replacing sodium silicate with their blended phosphate product to improve corrosion control treatment. Blended phosphate products provide dual treatment functionality. The orthophosphate component provides corrosion control by reacting with dissolved metals and pipe surfaces to form a protective phosphate scale, while the polyphosphate component acts as a sequestrant, keeping residual iron, manganese, and hardness (calcium and magnesium) in a dissolved form to maintain the aesthetic quality of the water supply. Hawkins Inc. proposed their LPC-31 blended phosphate product, which contains a 75:25 ortho to polyphosphate blend ratio with 32% active chemical (total phosphate) in solution, while Martelle Water Treatment proposed their Carus 8600 product, which contains a 70:30 ortho to polyphosphate blend ratio also with 33% active chemical in solution.

The US EPA's *Optimal Corrosion Control Treatment Evaluation Technical Recommendations for Primacy Agencies and Public Water Systems* document provides a technical resource for evaluating corrosion control treatment alternatives. The guidance includes flowcharts to help select an appropriate corrosion control treatment based on finished water quality characteristics including dissolved inorganic carbon (DIC), iron, manganese, and pH levels, as well as the specific piping materials being addressed. Samples of treated water from each of the Village's well sites were analyzed for these parameters.

Finished Water Sampling Results, May 12, 2025
Village of Kimberly

Location	Iron mg/L	Manganese mg/L	DIC mg/L	pH -
Well #1	0.09	0.003	59.17	7.55
Well #2	0.132	0.005	56.04	7.41
Well #3	0.06	0.002	67.77	7.54

Flowchart 3b from the EPA's guidance document, attached, was used to select treatment for lead and/or copper with iron and manganese present in the finished water and pH greater than 7.2. At a dissolved inorganic carbon (DIC) concentration greater than 5 mg/L as C, the flowchart shows blended phosphate addition or removing iron and manganese from the source water and applying orthophosphate as the recommended corrosion control treatment. Therefore, the EPA's guidance document supports the recommendations made by the chemical suppliers to switch from sodium silicate to blended phosphate.

C. CONCLUSIONS & RECOMMENDATIONS

The water quality analyses provided by Martelle and Hawkins both show that the Village's treated water supply tends to dissolve calcium carbonate and metals could lead to corrosion in the distribution system. Both chemical suppliers recommend switching from sodium silicate to a blended phosphate product containing an orthophosphate to polyphosphate ratio of at least 70:30 to improve corrosion control treatment while providing a component to maintain the aesthetic quality of the water. The US EPA guidance document supports the recommendations made by the chemical suppliers.

It is recommended that the Village move forward with switching corrosion control treatment from sodium silicate to a blended phosphate product. Regardless of the supplier and/or product selected, it is recommended that the chemical be dosed to maintain an orthophosphate residual of above 1.5 mg/L (1.5 mg/L to 3 mg/L) in the distribution system, which is consistent with Wisconsin Department of Natural Resources (DNR) recommendations and real-world performance data from its application throughout Wisconsin and beyond.

Attachment #1 - Hawkins, Inc. Water Quality Analysis & Recommendation

Attachment #2 - Martelle Water Treatment, Inc. Water Quality Analysis & Recommendation

Attachment #3 - EPA's OCCT Evaluation Technical Recommendations Document: Exhibit 3.3 - Flowchart 3b

PROJECTS\K0001\092600477\ADMIN\MEMO\2026-08-04 MEMO



MEMORANDUM

Hawkins, Inc.
Water Quality Analysis & Recommendation



Hawkins, Inc.
2381 Rosegate
Roseville, MN 55113
Phone: (612) 331-6910
Fax: (612) 331-5304

Water Quality Simulation for Scale and Corrosion Control

Date: 01 July 25, Submitted By: Jason Amsler, Completed by: Eric Sorenson

Kimberly, WI

Treatment Recommendation

Below is a summary of the analysis conducted on the sample collected (the complete laboratory analysis including saturation indices will also be provided): **Note: All values above in ppm except pH, which is unitless.**

<u>Sample ID</u>	<u>Fe</u>	<u>Mn</u>	<u>pH</u>	<u>Hard as CaCO₃</u>	<u>Alkalinity_{Total}</u>	<u>Scaling/Corrosive</u>
Well 1 Finished	0.033	0.014	7.69	168	233	Corrosive
Well 2 Finished	0.132	0.005	7.41	241	216	Corrosive
Well 3 Finished	0.062	0.002	7.54	89	266	Corrosive

The water analysis shows elevated corrosion potential. At these levels, the water may suffer from quality issues. This will require an equivalent amount of orthophosphate to properly protect. If not properly protected, there is a risk of Cu and Pb to be present in the water. Cu and Pb solubility are elevated and this becomes concerning over 1.0 mg/L. Hawkins has recommended that **LPC-31** be used for this application to provide the necessary calcium sequestration and corrosion protection. At the request of our customer, below is the dosage for **LPC-31** in the Kimberly, WI water system.

Please see next page for dosing information

LPC-31 can be fed neat into the distribution system.

Maximum Use Level: **30 ppm** as product

Well 1 Dosage: **7.06 ppm** as product

58.89 lbs per million gallons treated water

5.16 gallons of LPC-31 per million gallons of treated water

Well 2 Dosage: **4.30 ppm** as product

35.86 lbs per million gallons treated water

3.15 gallons of LPC-31 per million gallons of treated water

Well 3 Dosage: **8.85 ppm** as product

73.81 lbs per million gallons treated water

6.47 gallons of LPC-31 per million gallons of treated water

. Thank you for ensuring the water at Kimberly, WI is of the highest quality.

My Sincerest Regards,

Eric Sorenson | Hawkins, Inc.

Technical Application Specialist - WTG

3100 East Hennepin Ave | Minneapolis, MN 55413

D: 612.617.8504 | M: 715.271.1438

eric.sorenson@hawkinsinc.com



WatSim

WATER CHEMISTRY INPUT

Kimberly, WI
Gas Station

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0653

CATIONS

Calcium (as Ca)	22.24
Magnesium (as Mg)	12.57
Sodium (as Na)	129.70
Potassium (as K)	4.84
Ammonia (as NH ₃)	< 0.001
Iron (as Fe)	0.00600
Manganese (as Mn)	0.00200
Aluminum (as Al)	0.01000
Zinc (as Zn)	0.0200
Boron (as B)	0.0900

ANIONS

Chloride (as Cl)	8.04
Sulfate (as SO ₄)	143.00
"M" Alkalinity (as CaCO ₃)	247.00
"P" Alkalinity (as CaCO ₃)	< 0.001
Phosphate (as PO ₄)	0.00
Pyrophosphate (as PO ₄)	0.00
Silica (as SiO ₂)	18.44
Nitrate (as NO ₃)	0.559
Fluoride (as F)	0.811

PARAMETERS

pH	7.53
Temperature (°F)	55.00
Calculated T.D.S.	672.68
Calculated Cond.	764.11
F.A.C.	0.00

COMMENTS

ADDITIONAL RESULTS:

Total Hardness, mg/L (as CaCO ₃)	107
Copper, µg/L	564
Lead, µg/L	<1
Nitrite (as NO ₂ -N), mg/L	<0.001
Nitrate (as NO ₃ -N), mg/L	0.1263
UV-254 Absorbance	0.026
Orthophosphate, mg/L	<0.01
Strontium, mg/L	12.5

Hawkins, Inc.

3100 East Hennepin Avenue, Minneapolis, MN 55413



WatSim

RAW WATER DEPOSITION POTENTIAL INDICATORS

Kimberly, WI
Gas Station

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0653

SATURATION LEVEL

Calcite (CaCO_3)	0.319
Aragonite (CaCO_3)	0.283
Anhydrite (CaSO_4)	0.00651
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	0.0117
Calcium phosphate	0.00
Hydroxyapatite	0.00
Fluorite (CaF_2)	< 0.001
Silica (SiO_2)	0.217
Brucite ($\text{Mg}(\text{OH})_2$)	< 0.001
Magnesium silicate	< 0.001
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	1.45
Siderite (FeCO_3)	0.122
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	0.00
Calcium oxalate (CaC_2O_4)	0.00
Ca pyrophosphate (CaP_2O_7)	0.00
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO_3)	-1.60
Aragonite (CaCO_3)	-1.89
Anhydrite (CaSO_4)	-1252.3
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	-1024.7
Calcium phosphate	> -0.001
Hydroxyapatite	-374.49
Fluorite (CaF_2)	-44.38
Silica (SiO_2)	-68.49
Brucite ($\text{Mg}(\text{OH})_2$)	-4.11
Magnesium silicate	-174.93
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	< 0.001
Siderite (FeCO_3)	-0.0696
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	> -0.001
Calcium oxalate (CaC_2O_4)	-0.983
Ca pyrophosphate (CaP_2O_7)	-0.0311
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	-0.00688

SIMPLE INDICES

Langelier	-0.431
Ryznar	8.39
Puckorius	7.88
Larson-Skold Index	0.651
C.C.P.P.	-13.07

BOUND IONS

Calcium	22.24
Carbonate	0.872
Phosphate	0.00

TOTAL

FREE

CHEMICAL PROPERTIES

D.I.C. (mg/L C)	63.02
Pb solubility(ug/L)	2.04
Cu solubility(mg/L)	3.17
Zn solubility(mg/L)	7.72
PPO ₄ solubility(mg/L)	17.86
PO ₄ solubility(mg/L)	8.95

OPERATING CONDITIONS

Temperature (°F)	55.00
Time(mins)	3.00

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



WatSim

WATER CHEMISTRY INPUT

Kimberly, WI
Town Hall

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025 Sampled: 05-12-2025
Sample #: 7196 at 0655

CATIONS

Calcium (as Ca)	17.79
Magnesium (as Mg)	8.88
Sodium (as Na)	140.00
Potassium (as K)	4.07
Ammonia (as NH ₃)	< 0.001
Iron (as Fe)	0.321
Manganese (as Mn)	0.00300
Aluminum (as Al)	0.01000
Zinc (as Zn)	0.0500
Boron (as B)	0.0900

ANIONS

Chloride (as Cl)	8.38
Sulfate (as SO ₄)	137.80
"M" Alkalinity (as CaCO ₃)	249.00
"P" Alkalinity (as CaCO ₃)	< 0.001
Phosphate (as PO ₄)	0.00
Pyrophosphate (as PO ₄)	0.00
Silica (as SiO ₂)	17.76
Nitrate (as NO ₃)	0.523
Fluoride (as F)	0.901

PARAMETERS

pH	7.59
Temperature (°F)	55.00
Calculated T.D.S.	668.58
Calculated Cond.	763.49
F.A.C.	0.00

COMMENTS

ADDITIONAL RESULTS:

Total Hardness, mg/L (as CaCO ₃)	81
Copper, µg/L	96
Lead, µg/L	<1
Nitrite (as NO ₂ -N), mg/L	<0.001
Nitrate (as NO ₃ -N), mg/L	0.1182
UV-254 Absorbance	0.013
Orthophosphate, mg/L	<0.01
Strontium, mg/L	10.14

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



WatSim

RAW WATER DEPOSITION POTENTIAL INDICATORS

Kimberly, WI
Town Hall

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0655

SATURATION LEVEL

Calcite (CaCO_3)	0.297
Aragonite (CaCO_3)	0.263
Anhydrite (CaSO_4)	0.00514
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	0.00919
Calcium phosphate	0.00
Hydroxyapatite	0.00
Fluorite (CaF_2)	< 0.001
Silica (SiO_2)	0.209
Brucite ($\text{Mg}(\text{OH})_2$)	< 0.001
Magnesium silicate	< 0.001
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	100.24
Siderite (FeCO_3)	7.40
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	0.00
Calcium oxalate (CaC_2O_4)	0.00
Ca pyrophosphate (CaP_2O_7)	0.00
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO_3)	-1.99
Aragonite (CaCO_3)	-2.34
Anhydrite (CaSO_4)	-1254.7
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	-1029.4
Calcium phosphate	>-0.001
Hydroxyapatite	-373.15
Fluorite (CaF_2)	-45.82
Silica (SiO_2)	-69.19
Brucite ($\text{Mg}(\text{OH})_2$)	-4.69
Magnesium silicate	-174.62
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	< 0.001
Siderite (FeCO_3)	0.423
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	>-0.001
Calcium oxalate (CaC_2O_4)	-1.21
Ca pyrophosphate (CaP_2O_7)	-0.0468
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	-0.00269

SIMPLE INDICES

Langelier	-0.463
Ryznar	8.52
Puckorius	8.06
Larson-Skold Index	0.626
C.C.P.P.	-12.74

BOUND IONS

Calcium	17.79
Carbonate	0.895
Phosphate	0.00

TOTAL

FREE

CHEMICAL PROPERTIES

D.I.C. (mg/L C)	63.04
Pb solubility(ug/L)	1.76
Cu solubility(mg/L)	2.70
Zn solubility(mg/L)	7.15
PPO ₄ solubility(mg/L)	20.38
PO ₄ solubility(mg/L)	2.87

OPERATING CONDITIONS

Temperature (°F)	55.00
Time(mins)	3.00

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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WATER CHEMISTRY INPUT

Kimberly, WI
Well 1 Post-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025 Sampled: 05-12-2025
Sample #: 7196 at 0646

CATIONS

Calcium (as Ca)	43.60
Magnesium (as Mg)	14.46
Sodium (as Na)	187.20
Potassium (as K)	5.97
Ammonia (as NH ₃)	< 0.001
Iron (as Fe)	0.0900
Manganese (as Mn)	0.00300
Aluminum (as Al)	0.0200
Zinc (as Zn)	0.0190
Boron (as B)	0.100

ANIONS

Chloride (as Cl)	21.60
Sulfate (as SO ₄)	304.50
"M" Alkalinity (as CaCO ₃)	233.00
"P" Alkalinity (as CaCO ₃)	< 0.001
Phosphate (as PO ₄)	0.00
Pyrophosphate (as PO ₄)	0.00
Silica (as SiO ₂)	20.58
Nitrate (as NO ₃)	0.497
Fluoride (as F)	0.934

PARAMETERS

pH	7.55
Temperature (°F)	55.00
Calculated T.D.S.	913.74
Calculated Cond.	1097.4
F.A.C.	0.00

COMMENTS

ADDITIONAL RESULTS:

Total Hardness, mg/L (as CaCO ₃)	168
Copper, µg/L	160
Lead, µg/L	<1
Nitrite (as NO ₂ -N), mg/L	<0.001
Nitrate (as NO ₃ -N), mg/L	0.1122
UV-254 Absorbance	0.012
Orthophosphate, mg/L	<0.01
Strontium, mg/L	15.3

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3100 East Hennepin Avenue, Minneapolis, MN 55413



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RAW WATER DEPOSITION POTENTIAL INDICATORS

Kimberly, WI
Well 1 Post-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0646

SATURATION LEVEL

Calcite (CaCO_3)	0.522
Aragonite (CaCO_3)	0.462
Anhydrite (CaSO_4)	0.0213
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	0.0382
Calcium phosphate	0.00
Hydroxyapatite	0.00
Fluorite (CaF_2)	0.00126
Silica (SiO_2)	0.242
Brucite ($\text{Mg}(\text{OH})_2$)	< 0.001
Magnesium silicate	< 0.001
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	20.79
Siderite (FeCO_3)	1.54
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	0.00
Calcium oxalate (CaC_2O_4)	0.00
Ca pyrophosphate (CaP_2O_7)	0.00
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO_3)	-0.735
Aragonite (CaCO_3)	-0.932
Anhydrite (CaSO_4)	-1235.7
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	-976.97
Calcium phosphate	> -0.001
Hydroxyapatite	-396.43
Fluorite (CaF_2)	-40.40
Silica (SiO_2)	-66.26
Brucite ($\text{Mg}(\text{OH})_2$)	-4.18
Magnesium silicate	-179.95
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	< 0.001
Siderite (FeCO_3)	0.0465
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	> -0.001
Calcium oxalate (CaC_2O_4)	-0.631
Ca pyrophosphate (CaP_2O_7)	-0.0166
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	-0.00867

SIMPLE INDICES

Langelier	-0.183
Ryznar	7.92
Puckorius	7.46
Larson-Skold Index	1.50
C.C.P.P.	-3.80

BOUND IONS

Calcium	43.60
Carbonate	0.975
Phosphate	0.00

TOTAL

FREE

CHEMICAL PROPERTIES

D.I.C. (mg/L C)	59.17
Pb solubility(ug/L)	2.11
Cu solubility(mg/L)	3.66
Zn solubility(mg/L)	8.96
PPO ₄ solubility(mg/L)	8.63
PO ₄ solubility(mg/L)	9.94

OPERATING CONDITIONS

Temperature (°F)	55.00
Time(mins)	3.00

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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WATER CHEMISTRY INPUT

Kimberly, WI
Well 1 Pre-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025 Sampled: 05-12-2025
Sample #: 7196 at 0639

CATIONS

Calcium (as Ca)	80.70
Magnesium (as Mg)	29.78
Sodium (as Na)	26.70
Potassium (as K)	4.63
Ammonia (as NH ₃)	0.0770
Iron (as Fe)	0.420
Manganese (as Mn)	0.0120
Aluminum (as Al)	0.0200
Zinc (as Zn)	0.00700
Boron (as B)	0.110

ANIONS

Chloride (as Cl)	4.74
Sulfate (as SO ₄)	118.40
"M" Alkalinity (as CaCO ₃)	256.00
"P" Alkalinity (as CaCO ₃)	< 0.001
Phosphate (as PO ₄)	0.00
Pyrophosphate (as PO ₄)	0.00
Silica (as SiO ₂)	7.09
Nitrate (as NO ₃)	0.646
Fluoride (as F)	0.957

PARAMETERS

pH	7.51
Temperature (°F)	55.00
Calculated T.D.S.	611.83
Calculated Cond.	678.71
F.A.C.	0.00

COMMENTS

ADDITIONAL RESULTS:

Total Hardness, mg/L (as CaCO ₃)	324
Copper, µg/L	34
Lead, µg/L	<1
Nitrite (as NO ₂ -N), mg/L	<0.001
Nitrate (as NO ₃ -N), mg/L	0.1460
UV-254 Absorbance	0.010
Orthophosphate, mg/L	<0.01
Strontium, mg/L	52.1

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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RAW WATER DEPOSITION POTENTIAL INDICATORS

Kimberly, WI
Well 1 Pre-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0639

SATURATION LEVEL

Calcite (CaCO_3)	1.14
Aragonite (CaCO_3)	1.01
Anhydrite (CaSO_4)	0.0173
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	0.0310
Calcium phosphate	0.00
Hydroxyapatite	0.00
Fluorite (CaF_2)	0.00284
Silica (SiO_2)	0.0833
Brucite ($\text{Mg}(\text{OH})_2$)	< 0.001
Magnesium silicate	< 0.001
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	93.98
Siderite (FeCO_3)	8.41
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	0.00
Calcium oxalate (CaC_2O_4)	0.00
Ca pyrophosphate (CaP_2O_7)	0.00
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO_3)	0.0946
Aragonite (CaCO_3)	0.00675
Anhydrite (CaSO_4)	-1211.1
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	-971.06
Calcium phosphate	>-0.001
Hydroxyapatite	-379.33
Fluorite (CaF_2)	-30.42
Silica (SiO_2)	-80.16
Brucite ($\text{Mg}(\text{OH})_2$)	-2.81
Magnesium silicate	-176.05
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	< 0.001
Siderite (FeCO_3)	0.535
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	>-0.001
Calcium oxalate (CaC_2O_4)	-0.276
Ca pyrophosphate (CaP_2O_7)	-0.00253
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	-0.0121

SIMPLE INDICES

Langelier	0.119
Ryznar	7.27
Puckorius	6.72
Larson-Skold Index	0.509
C.C.P.P.	14.41

BOUND IONS

	TOTAL	FREE
Calcium	80.70	71.85
Carbonate	1.52	0.466
Phosphate	0.00	0.00

CHEMICAL PROPERTIES

D.I.C. (mg/L C)	65.35
Pb solubility(ug/L)	2.10
Cu solubility(mg/L)	3.27
Zn solubility(mg/L)	7.87
PPO ₄ solubility(mg/L)	3.81
PO ₄ solubility(mg/L)	9.63

OPERATING CONDITIONS

Temperature (°F)	55.00
Time(mins)	3.00

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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WATER CHEMISTRY INPUT

Kimberly, WI
Well 2 Post-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025 Sampled: 05-12-2025
Sample #: 7196 at 0648

CATIONS

Calcium (as Ca)	71.25
Magnesium (as Mg)	15.40
Sodium (as Na)	223.12
Potassium (as K)	4.76
Ammonia (as NH ₃)	< 0.001
Iron (as Fe)	0.132
Manganese (as Mn)	0.00500
Aluminum (as Al)	0.0200
Zinc (as Zn)	0.0140
Boron (as B)	0.100

ANIONS

Chloride (as Cl)	13.40
Sulfate (as SO ₄)	475.50
"M" Alkalinity (as CaCO ₃)	216.00
"P" Alkalinity (as CaCO ₃)	< 0.001
Phosphate (as PO ₄)	0.00
Pyrophosphate (as PO ₄)	0.00
Silica (as SiO ₂)	20.00
Nitrate (as NO ₃)	0.339
Fluoride (as F)	0.986

PARAMETERS

pH	7.41
Temperature (°F)	55.00
Calculated T.D.S.	1123.0
Calculated Cond.	1328.1
F.A.C.	0.00

COMMENTS

ADDITIONAL RESULTS:

Total Hardness, mg/L (as CaCO ₃)	241
Copper, µg/L	31
Lead, µg/L	<1
Nitrite (as NO ₂ -N), mg/L	<0.001
Nitrate (as NO ₃ -N), mg/L	0.0766
UV-254 Absorbance	0.010
Orthophosphate, mg/L	<0.01
Strontium, mg/L	9.48

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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RAW WATER DEPOSITION POTENTIAL INDICATORS

Kimberly, WI
Well 2 Post-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0648

SATURATION LEVEL

Calcite (CaCO_3)	0.507
Aragonite (CaCO_3)	0.449
Anhydrite (CaSO_4)	0.0454
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	0.0812
Calcium phosphate	0.00
Hydroxyapatite	0.00
Fluorite (CaF_2)	0.00200
Silica (SiO_2)	0.235
Brucite ($\text{Mg}(\text{OH})_2$)	< 0.001
Magnesium silicate	< 0.001
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	15.00
Siderite (FeCO_3)	1.40
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	0.00
Calcium oxalate (CaC_2O_4)	0.00
Ca pyrophosphate (CaP_2O_7)	0.00
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO_3)	-0.549
Aragonite (CaCO_3)	-0.692
Anhydrite (CaSO_4)	-1186.4
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	-901.20
Calcium phosphate	> -0.001
Hydroxyapatite	-412.44
Fluorite (CaF_2)	-36.52
Silica (SiO_2)	-66.81
Brucite ($\text{Mg}(\text{OH})_2$)	-4.30
Magnesium silicate	-183.51
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	< 0.001
Siderite (FeCO_3)	0.0486
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	> -0.001
Calcium oxalate (CaC_2O_4)	-0.454
Ca pyrophosphate (CaP_2O_7)	-0.0106
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	-0.0111

SIMPLE INDICES

Langelier	-0.169
Ryznar	7.75
Puckorius	7.20
Larson-Skold Index	2.39
C.C.P.P.	-3.63

BOUND IONS

Calcium	71.25
Carbonate	0.727
Phosphate	0.00

TOTAL

FREE

CHEMICAL PROPERTIES

D.I.C. (mg/L C)	56.04
Pb solubility(ug/L)	3.19
Cu solubility(mg/L)	6.28
Zn solubility(mg/L)	12.81
PPO ₄ solubility(mg/L)	5.23
PO ₄ solubility(mg/L)	21.63

OPERATING CONDITIONS

Temperature (°F)	55.00
Time(mins)	3.00

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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WATER CHEMISTRY INPUT

Kimberly, WI
Well 2 Pre-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025 Sampled: 05-12-2025
Sample #: 7196 at 0642

CATIONS

Calcium (as Ca)	228.40
Magnesium (as Mg)	31.71
Sodium (as Na)	10.03
Potassium (as K)	4.98
Ammonia (as NH ₃)	0.0790
Iron (as Fe)	0.658
Manganese (as Mn)	0.0140
Aluminum (as Al)	0.0400
Zinc (as Zn)	0.0160
Boron (as B)	0.100

ANIONS

Chloride (as Cl)	8.77
Sulfate (as SO ₄)	476.00
"M" Alkalinity (as CaCO ₃)	205.00
"P" Alkalinity (as CaCO ₃)	< 0.001
Phosphate (as PO ₄)	0.00
Pyrophosphate (as PO ₄)	0.00
Silica (as SiO ₂)	6.97
Nitrate (as NO ₃)	0.316
Fluoride (as F)	0.866

PARAMETERS

pH	7.30
Temperature (°F)	55.00
Calculated T.D.S.	1049.7
Calculated Cond.	1101.1
F.A.C.	0.00

COMMENTS

ADDITIONAL RESULTS:

Total Hardness, mg/L (as CaCO ₃)	701
Copper, µg/L	41
Lead, µg/L	<1
Nitrite (as NO ₂ -N), mg/L	<0.001
Nitrate (as NO ₃ -N), mg/L	0.0713
UV-254 Absorbance	0.008
Orthophosphate, mg/L	<0.01
Strontium, mg/L	33.4

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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RAW WATER DEPOSITION POTENTIAL INDICATORS

Kimberly, WI
Well 2 Pre-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0642

SATURATION LEVEL

Calcite (CaCO ₃)	1.20
Aragonite (CaCO ₃)	1.07
Anhydrite (CaSO ₄)	0.124
Gypsum (CaSO ₄ *2H ₂ O)	0.222
Calcium phosphate	0.00
Hydroxyapatite	0.00
Fluorite (CaF ₂)	0.00488
Silica (SiO ₂)	0.0820
Brucite (Mg(OH) ₂)	< 0.001
Magnesium silicate	< 0.001
Iron hydroxide (Fe(OH) ₃)	46.69
Siderite (FeCO ₃)	5.20
Strengite (FePO ₄ *2H ₂ O)	0.00
Calcium oxalate (CaC ₂ O ₄)	0.00
Ca pyrophosphate (CaP ₂ O ₇)	0.00
Zinc phosphate (Zn ₃ (PO ₄) ₂)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO ₃)	0.0700
Aragonite (CaCO ₃)	0.0254
Anhydrite (CaSO ₄)	-1027.1
Gypsum (CaSO ₄ *2H ₂ O)	-709.35
Calcium phosphate	>-0.001
Hydroxyapatite	-416.88
Fluorite (CaF ₂)	-22.23
Silica (SiO ₂)	-80.22
Brucite (Mg(OH) ₂)	-3.11
Magnesium silicate	-184.48
Iron hydroxide (Fe(OH) ₃)	< 0.001
Siderite (FeCO ₃)	0.347
Strengite (FePO ₄ *2H ₂ O)	>-0.001
Calcium oxalate (CaC ₂ O ₄)	-0.140
Ca pyrophosphate (CaP ₂ O ₇)	-0.00106
Zinc phosphate (Zn ₃ (PO ₄) ₂)	-0.00983

SIMPLE INDICES

Langelier	0.198
Ryznar	6.90
Puckorius	6.28
Larson-Skold Index	2.49
C.C.P.P.	24.22

BOUND IONS

	TOTAL	FREE
Calcium	228.40	181.51
Carbonate	0.980	0.249
Phosphate	0.00	0.00

CHEMICAL PROPERTIES

D.I.C. (mg/L C)	54.17
Pb solubility(ug/L)	4.44
Cu solubility(mg/L)	8.70
Zn solubility(mg/L)	15.71
PPO ₄ solubility(mg/L)	1.36
PO ₄ solubility(mg/L)	9.38

OPERATING CONDITIONS

Temperature (°F)	55.00
Time(mins)	3.00

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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WATER CHEMISTRY INPUT

Kimberly, WI
Well 3 Post-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025 Sampled: 05-12-2025
Sample #: 7196 at 0651

CATIONS

Calcium (as Ca)	19.43
Magnesium (as Mg)	9.93
Sodium (as Na)	176.93
Potassium (as K)	4.31
Ammonia (as NH ₃)	< 0.001
Iron (as Fe)	0.0620
Manganese (as Mn)	0.00200
Aluminum (as Al)	0.01000
Zinc (as Zn)	0.0150
Boron (as B)	0.0900

ANIONS

Chloride (as Cl)	41.80
Sulfate (as SO ₄)	146.20
"M" Alkalinity (as CaCO ₃)	266.00
"P" Alkalinity (as CaCO ₃)	< 0.001
Phosphate (as PO ₄)	0.00
Pyrophosphate (as PO ₄)	0.00
Silica (as SiO ₂)	18.73
Nitrate (as NO ₃)	0.670
Fluoride (as F)	0.897

PARAMETERS

pH	7.54
Temperature (°F)	55.00
Calculated T.D.S.	775.75
Calculated Cond.	930.17
F.A.C.	0.00

COMMENTS

ADDITIONAL RESULTS:

Total Hardness, mg/L (as CaCO ₃)	89
Copper, µg/L	45
Lead, µg/L	<1
Nitrite (as NO ₂ -N), mg/L	<0.001
Nitrate (as NO ₃ -N), mg/L	0.1515
UV-254 Absorbance	0.010
Orthophosphate, mg/L	<0.01
Strontium, mg/L	10.63

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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RAW WATER DEPOSITION POTENTIAL INDICATORS

Kimberly, WI
Well 3 Post-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0651

SATURATION LEVEL

Calcite (CaCO_3)	0.298
Aragonite (CaCO_3)	0.264
Anhydrite (CaSO_4)	0.00561
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	0.0100
Calcium phosphate	0.00
Hydroxyapatite	0.00
Fluorite (CaF_2)	< 0.001
Silica (SiO_2)	0.220
Brucite ($\text{Mg}(\text{OH})_2$)	< 0.001
Magnesium silicate	< 0.001
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	15.32
Siderite (FeCO_3)	1.35
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	0.00
Calcium oxalate (CaC_2O_4)	0.00
Ca pyrophosphate (CaP_2O_7)	0.00
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO_3)	-1.94
Aragonite (CaCO_3)	-2.28
Anhydrite (CaSO_4)	-1286.1
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	-1053.9
Calcium phosphate	>-0.001
Hydroxyapatite	-381.12
Fluorite (CaF_2)	-45.97
Silica (SiO_2)	-68.17
Brucite ($\text{Mg}(\text{OH})_2$)	-4.59
Magnesium silicate	-176.46
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	< 0.001
Siderite (FeCO_3)	0.0257
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	>-0.001
Calcium oxalate (CaC_2O_4)	-1.17
Ca pyrophosphate (CaP_2O_7)	-0.0485
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	-0.00917

SIMPLE INDICES

Langelier	-0.461
Ryznar	8.46
Puckorius	7.91
Larson-Skold Index	0.797
C.C.P.P.	-14.37

BOUND IONS

	TOTAL	FREE
Calcium	19.43	16.80
Carbonate	0.891	0.529
Phosphate	0.00	0.00

CHEMICAL PROPERTIES

D.I.C. (mg/L C)	67.77
Pb solubility(ug/L)	1.86
Cu solubility(mg/L)	3.03
Zn solubility(mg/L)	7.67
PPO ₄ solubility(mg/L)	20.29
PO ₄ solubility(mg/L)	11.28

OPERATING CONDITIONS

Temperature (°F)	55.00
Time(mins)	3.00

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



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WATER CHEMISTRY INPUT

Kimberly, WI
Well 3 Pre-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025 Sampled: 05-12-2025
Sample #: 7196 at 0644

CATIONS

Calcium (as Ca)	86.28
Magnesium (as Mg)	32.59
Sodium (as Na)	17.96
Potassium (as K)	4.20
Ammonia (as NH ₃)	0.0840
Iron (as Fe)	1.21
Manganese (as Mn)	0.0120
Aluminum (as Al)	0.0200
Zinc (as Zn)	0.00900
Boron (as B)	0.0900

ANIONS

Chloride (as Cl)	3.93
Sulfate (as SO ₄)	140.40
"M" Alkalinity (as CaCO ₃)	242.00
"P" Alkalinity (as CaCO ₃)	< 0.001
Phosphate (as PO ₄)	0.00
Pyrophosphate (as PO ₄)	0.00
Silica (as SiO ₂)	7.13
Nitrate (as NO ₃)	0.506
Fluoride (as F)	0.811

PARAMETERS

pH	7.46
Temperature (°F)	55.00
Calculated T.D.S.	617.07
Calculated Cond.	685.81
F.A.C.	0.00

COMMENTS

ADDITIONAL RESULTS:

Total Hardness, mg/L (as CaCO ₃)	350
Copper, µg/L	41
Lead, µg/L	<1
Nitrite (as NO ₂ -N), mg/L	<0.001
Nitrate (as NO ₃ -N), mg/L	0.1143
UV-254 Absorbance	0.009
Orthophosphate, mg/L	<0.01
Strontium, mg/L	53.2

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413



WatSim

RAW WATER DEPOSITION POTENTIAL INDICATORS

Kimberly, WI
Well 3 Pre-Filter

Jason Amsler
Fond Du Lac

Report Date: 05-12-2025
Sample #: 7196

Sampled: 05-12-2025
at 0644

SATURATION LEVEL

Calcite (CaCO_3)	1.01
Aragonite (CaCO_3)	0.893
Anhydrite (CaSO_4)	0.0213
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	0.0380
Calcium phosphate	0.00
Hydroxyapatite	0.00
Fluorite (CaF_2)	0.00213
Silica (SiO_2)	0.0838
Brucite ($\text{Mg}(\text{OH})_2$)	< 0.001
Magnesium silicate	< 0.001
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	214.83
Siderite (FeCO_3)	20.35
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	0.00
Calcium oxalate (CaC_2O_4)	0.00
Ca pyrophosphate (CaP_2O_7)	0.00
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO_3)	0.00556
Aragonite (CaCO_3)	-0.0785
Anhydrite (CaSO_4)	-1201.2
Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	-956.98
Calcium phosphate	> -0.001
Hydroxyapatite	-381.32
Fluorite (CaF_2)	-30.14
Silica (SiO_2)	-80.11
Brucite ($\text{Mg}(\text{OH})_2$)	-2.72
Magnesium silicate	-176.51
Iron hydroxide ($\text{Fe}(\text{OH})_3$)	< 0.001
Siderite (FeCO_3)	0.707
Strengite ($\text{FePO}_4 \cdot 2\text{H}_2\text{O}$)	> -0.001
Calcium oxalate (CaC_2O_4)	-0.264
Ca pyrophosphate (CaP_2O_7)	-0.00238
Zinc phosphate ($\text{Zn}_3(\text{PO}_4)_2$)	-0.0110

SIMPLE INDICES

Langelier	0.0694
Ryznar	7.32
Puckorius	6.75
Larson-Skold Index	0.629
C.C.P.P.	11.49

BOUND IONS

	TOTAL	FREE
Calcium	86.28	76.15
Carbonate	1.34	0.395
Phosphate	0.00	0.00

CHEMICAL PROPERTIES

D.I.C. (mg/L C)	62.26
Pb solubility(ug/L)	2.50
Cu solubility(mg/L)	3.91
Zn solubility(mg/L)	8.70
PPO ₄ solubility(mg/L)	3.72
PO ₄ solubility(mg/L)	10.68

OPERATING CONDITIONS

Temperature (°F)	55.00
Time(mins)	3.00

Hawkins, Inc.
3100 East Hennepin Avenue, Minneapolis, MN 55413

Martelle Water Treatment, Inc.
Water Quality Analysis & Recommendation



CARUS LLC
315 Fifth Street
P.O. Box 599
Peru, IL 61354
Tel (815) 223-1500 ext. 6833
darin.skutt@carusllc.com

To: David Jensema
From: Darin Skutt
Date: 7/9/2026
Subject: Kimberly, WI Carus™ 8600 Recommendation

The primary use of Carus 8600 is for potable and industrial water systems. Carus 8600 has both corrosion inhibition and sequestration properties. To dose a 1 mg/L of orthophosphate residual (as PO₄) in the distribution system you will need to use 3.20 gallons of Carus 8600 per million gallons of water. This is the typical factor recommendation we use in the field. The Carus blended poly/orthophosphate will sequester the hardness factor, iron, and manganese content, and inhibit corrosion by forming a microscopic film on the inside surface of the distribution piping throughout the system.

Carus 8600 is N.S.F. certified for potable water. Carus 8600 is a liquid and is introduced with a chemical injection pump. The easiest way to check if you have the correct dose is to measure orthophosphate residuals in the distribution system. A Hach Test kit is used to measure orthophosphate in the system. The typical field kit is #2248-00, and the customer service number for Hach is 800-227-4224.

Based on the most recent water quality analysis, the calculated Langelier Saturation Index (LSI) for the sites are -0.10 for Site #1, -0.26 for Site #2, and -0.19 for Site #3. A negative LSI for all three sites indicates the tendency to dissolve calcium carbonate and metals which will lead to corrosion issues in the distribution system. Based on the LSI and EPA Optimal Corrosion Control Guidance that treatment with orthophosphate-based chemicals has been shown to be more effective than silicates for reducing lead and copper first draw samples, the recommended dose of Carus 8600 is given below:

Kimberly #1 Site:

1.80 – 2.00 mg/L as orthophosphate residual (PO₄) x 3.20 (factor) = 5.76 to 6.40 gal/MGD

Kimberly #2 Site:

1.80 – 2.00 mg/L as orthophosphate residual (PO₄) x 3.20 (factor) = 5.76 to 6.40 gal/MGD

The information contained herein is accurate to the best of our knowledge. However, data, safety standards, and government regulations are subject to change; and the conditions of handling, use, or misuse of the product are beyond our control. Carus makes no warranty, either expressed or implied, including any warranties of merchantability and fitness for a purpose. Carus also disclaims all liability for reliance on the completeness or confirming accuracy of any information included herein. Users should satisfy themselves that they are aware of all current data relevant to their use(s).

Kimberly #3 Site:

1.80 – 2.00 mg/L as orthophosphate residual (PO₄) x 3.20 (factor) = 5.76 to 6.40 gal/MGD

If you have any additional questions, please feel free to give me a call.

Darin Skutt
Technical Service
B.S. Chemistry, ACS Certified
Carus



Carus LLC
1500 8th Street
LaSalle, IL 61301

Kimberly, WI

Date Received: 3/24/2026
Date Analyzed: 3/25/2026
Lab Number: 0324-09257
Product: N/A
PWS Number: N/A
Number of Samples: 6
Tests per Sample: 11

cc: David Martelle
Martelle Water Treatment
2275 Royal Oaks Drive
Janesville, WI 53545

SAMPLE INFORMATION

	Sample Site	Sample Date	Sample Time	Sampler
A	Kimberly #1 - Raw	3/16/2026		MCO
B	Kimberly #3 - Raw	3/16/2026		MCO
C	Kimberly #4 - Raw	3/16/2026		MCO
D	Kimberly #1 - Post Softener	3/16/2026		MCO
E	Kimberly #3 - Post Softener	3/16/2026		MCO
F	Kimberly #4 - Post Softener	3/16/2026		MCO

G

RESULTS

Parameter	A	B	C	D	E	F	G	Units
Hardness	312.6	647.0	336.7	180.5	95.5	185.9		mg/L as CaCO3
Orthophosphate	0.10	0.09	0.12	0.10	0.13	0.09		mg/L as PO4
Iron	1.03	0.94	0.73	0.17	0.06	0.07		mg/L
Manganese	0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/L
Copper								mg/L
Lead								mg/L
Initial Temp.								Celsius
Initial pH								
Final Temp.	19.8	20.3	20.3	20.1	19.9	20.0		Celsius
Final pH	7.3	7.1	7.3	7.4	7.5	7.3		
Alkalinity	268	225	261	271	230	256		mg/L as CaCO3
Calcium	74.1	207.1	81.8	37.4	26.8	39.3		mg/L
Magnesium	31.0	31.5	32.2	21.2	6.9	21.3		mg/L
TDS	497	829	507	633	920	534		mg/L
Conductivity	717	1244	763	949	1381	801		umhos/cm
Chloride								mg/L
Sulfate								mg/L
Poly Phosphate								mg/L as PO4
Total Phosphate								mg/L as PO4

Comments:

Note: These results are for monitoring purposes only. They cannot be used for compliance reporting.
Tina Garcia, Senior Technical Service Specialist
Tel (815) 224-6880

EPA's OCCT Evaluation Technical Recommendations Document:
Exhibit 3.3 - Flowchart 3b

be useful for all system types. The flowcharts have been updated to reflect new research conducted since 2003.

These flowcharts are a screening tool and are not meant to substitute for pilot studies and other site-specific investigations. They are meant to indicate likely possibilities and do not include information on optimizing any of the treatments. In particular, systems with LSLs should work with their primacy agencies to select treatment that most effectively reduces lead release from the service line and should also consider full LSL replacement as recommended earlier in this chapter. Also, as stated elsewhere in this document, the presence of other chemicals in the finished water such as aluminum, iron, manganese, and calcium may interfere with CCT and point to a need for additional studies and/or alternative control options.

Additional information on setting water quality parameters and dose for the treatment options is provided in Section 3.3.

Exhibit 3.3: Identifying the Appropriate Flowchart for Preliminary CCT Selection

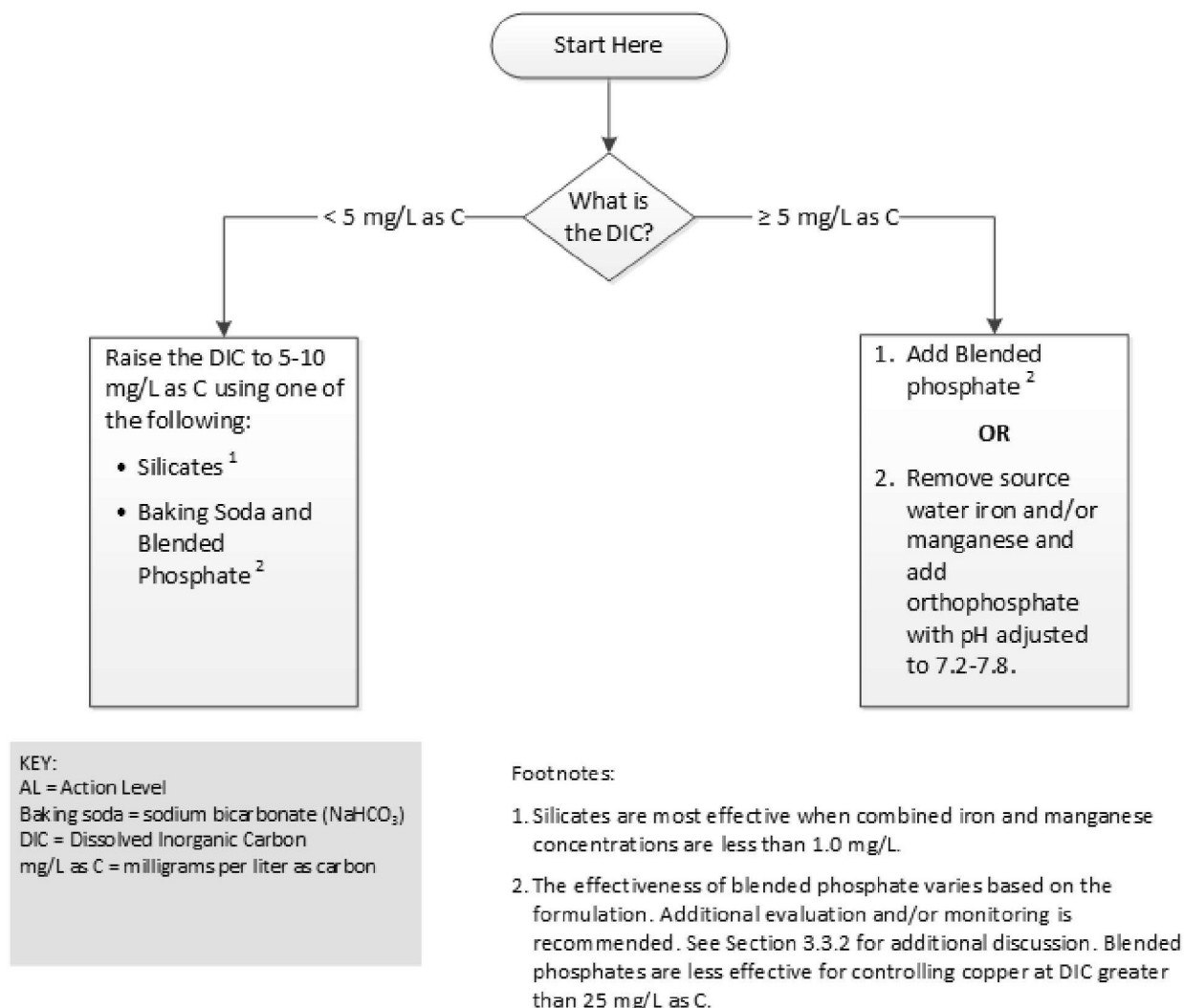
Is iron or manganese present in finished water? ¹	What is the contaminant to be addressed?	What is the finished water pH?	Use This Flowchart ²
No	Lead only, or Both Lead and Copper	< 7.2	1a
		7.2 - 7.8	1b
		>7.8 - 9.5	1c
		>9.5	1d
	Copper only	< 7.2	2a
		7.2 - 7.8	2b
		>7.8	2c
Yes	Lead and/or Copper	< 7.2	3a
		≥ 7.2	3b

Notes:

¹ Flowcharts 3a and 3b present several treatment options for lead and copper that also reduce iron and manganese. Systems can also consider removing iron and manganese first, then using flowcharts 1a through 2c to control for lead and/or copper.

² As discussed in Section 3.1.1, the term “limestone contactor” generically identifies filtration processes where calcite-containing materials are used to add pH, alkalinity, and DIC to water.

Flowchart 3b: Selecting Treatment for Lead and/or Copper with Iron and Manganese in Finished Water and pH ≥ 7.2





MIDWEST CONTRACT OPERATIONS, INC.
P.O. BOX 418 MENASHA, WI 54952-0418

Monthly Superintendent Report/Update

To: Village of Kimberly Water Commission

From: Jerry Verstegen, Water Utility Supt. (MCO)

CC: Dani Block

Date: 08/2026

Updates for current, past, and ongoing Water Department projects and areas of concern:

- Plants/Treatment
 - Solenoid Valve for Pre Lube at Well #2 has been replaced
- Distribution
- Meters
 - Continued with Residential Meter Changes
- General Water
 - Requests for water on in the Blue subdivision have been coming in.
 - Residential Cross Connection Surveys
 - Continued work on lead inventory list. We have about 20 houses we still need to get into to verify service. 2-3 meter change notices have been mailed to these residences with no response from the owner.
 - Update on Truck Replacement

Eric Riesterer
Jerry Verstegen (920-858-7477)

Pump Summary

8/4/2026

Date	Pump age x 1000								Discharge Sanitary				Blend and Pump age %					
	Wells			Effluent			Well	Booster	Well	Sanitary	Sanitary	Sanitary	Blend %			% Pumped by Plant		
	# 1	# 2	# 3	# 1	# 2	# 3	Totals	Totals	# 1	# 2	# 3	Totals	# 1	# 2	# 3	# 1	# 2	# 3
7/1/26	0	176	1008	0	167	1079	1184	1246	0	24	43	66.5		6.3%	14.8%	0.0%	14.9%	85.1%
7/2/26	926	143	0	912	121	0	1069	1033	49	20	0	69	3.2%	7.0%		86.6%	13.4%	0.0%
7/3/26	0	151	1025	0	168	1094	1176	1262	0	21	35	55.5		6.6%	14.6%	0.0%	12.8%	87.2%
7/4/26	929	168	0	914	166	0	1097	1080	48	23	0	71	3.3%	6.5%		84.7%	15.3%	0.0%
7/5/26	0	96	1064	0	92	1138	1160	1230	0	14	46	59.5		6.3%	14.9%	0.0%	8.3%	91.7%
7/6/26	942	215	176	929	215	188	1333	1332	47	21	0	67.5	3.3%	6.0%	13.1%	70.7%	16.1%	13.2%
7/7/26	102	211	937	100	202	1000	1250	1302	12	28	32	72	4.0%	6.6%	14.8%	8.2%	16.9%	75.0%
7/8/26	1050	143	0	1035	134	0	1193	1169	48	24	0	72	3.2%	6.3%		88.0%	12.0%	0.0%
7/9/26	0	202	963	0	193	1029	1165	1222	0	18	36	53.5		6.4%	14.7%	0.0%	17.3%	82.7%
7/10/26	1032	126	0	1016	102	0	1158	1118	59	20	0	78.5	3.5%	6.3%		89.1%	10.9%	0.0%
7/11/26	282	96	957	279	97	1024	1335	1400	11	20	46	77	3.3%	6.3%	14.9%	21.1%	7.2%	71.7%
7/12/26	963	114	569	950	119	606	1646	1675	48	6	10	63.5	3.4%	5.3%	14.1%	58.5%	6.9%	34.6%
7/13/26	0	268	1050	0	255	1122	1318	1377	0	27	46	73		7.1%	15.5%	0.0%	20.3%	79.7%
7/14/26	1017	242	139	1004	235	149	1398	1388	60	32	0	91.5	3.4%	6.2%	13.7%	72.7%	17.3%	9.9%
7/15/26	163	199	954	161	191	1019	1316	1371	0	29	36	65	2.5%	6.5%	14.8%	12.4%	15.1%	72.5%
7/16/26	988	279	0	977	265	0	1267	1242	60	31	0	91	3.4%	6.1%		78.0%	22.0%	0.0%
7/17/26	0	262	1069	0	250	1143	1331	1393	0	36	47	83		6.5%	15.0%	0.0%	19.7%	80.3%
7/18/26	1039	147	131	1027	140	142	1317	1309	48	23	0	70.5	3.3%	6.1%	13.7%	78.9%	11.2%	9.9%
7/19/26	149	75	979	148	72	1045	1203	1265	0	9	35	44	2.7%	6.7%	14.8%	12.4%	6.2%	81.4%
7/20/26	960	253	107	948	240	115	1320	1303	60	25	0	84.6	3.5%	6.7%	13.1%	72.7%	19.2%	8.1%
7/21/26	127	160	1017	126	153	1084	1304	1363	12	27	45	84.4	3.3%	6.3%	14.7%	9.7%	12.3%	78.0%
7/22/26	1003	173	147	991	166	156	1323	1313	48	20	0	67.5	3.4%	6.4%	13.6%	75.8%	13.1%	11.1%
7/23/26	132	167	1056	130	161	1130	1355	1421	12	23	46	80.5	3.1%	6.6%	15.1%	9.7%	12.3%	77.9%
7/24/26	837	315	229	828	310	246	1381	1384	36	33	0	69	3.4%	6.3%	13.5%	60.6%	22.8%	16.6%
7/25/26	0	193	1005	0	169	1071	1198	1240	0	35	45	79.5		6.7%	14.8%	0.0%	16.1%	83.9%
7/26/26	879	197	293	869	203	313	1369	1385	47	21	0	68	3.4%	6.1%	13.3%	64.2%	14.4%	21.4%
7/27/26	0	227	895	0	220	955	1122	1175	0	27	34	60.5		6.6%	14.9%	0.0%	20.2%	79.8%
7/28/26	904	236	96	892	227	102	1236	1221	48	31	10	89	3.4%	6.8%	15.6%	73.1%	19.1%	7.8%
7/29/26	503	330	302	497	320	322	1135	1139	23	43	31	96.5	3.5%	6.7%	14.6%	44.3%	29.1%	26.6%
7/30/26	0	202	963	0	188	1027	1165	1215	0	30	61	90.5		5.9%	15.2%	0.0%	17.3%	82.7%
7/31/26	936	264	0	923	266	0	1200	1189	60	29	0	88.5	3.4%	6.8%		78.0%	22.0%	0.0%
Total	15,863	6,030	17,131	15,656	5,807	18,299	39,024	39,762	836	762	684	2,282						
Avg	511.71	194.52	552.61	505.03	187.32	590.29	1258.8	1282.6	26.968	24.581	22.065	73.613	3.3%	6.4%	14.5%	40.3%	15.5%	44.2%

Chemical Summary

8/4/2026

Date	Chemical Pounds									Doseage					
	Chlorine			Silicate			Salt			Chlorine			Silicate		
	# 1	# 2	# 3	# 1	# 2	# 3	# 1	# 2	# 3	# 1	# 2	# 3	# 1	# 2	# 3
7/1/26	0.0	1.6	8.9	0	40	264	3,640	1,430	0		1.09	1.06		7.94	9.11
7/2/26	7.8	1.3	0.0	231	34	0	0	2,860	8,580	1.01	1.09		8.67	8.38	
7/3/26	0.0	1.5	9.1	0	34	270	3,640	1,430	0		1.19	1.06		7.93	9.15
7/4/26	7.6	1.6	0.0	231	46	0	0	2,860	6,500	0.98	1.14		8.64	9.51	
7/5/26	0.0	0.8	9.6	0	23	281	3,640	1,430	0		1.00	1.08		8.32	9.19
7/6/26	7.9	1.9	1.5	237	52	46	0	1,430	8,580	1.01	1.06	1.02	8.74	8.36	9.07
7/7/26	0.9	1.8	8.4	24	52	241	3,640	2,860	0	1.06	1.02	1.07	8.07	8.51	8.95
7/8/26	8.9	1.3	0.0	261	40	0	1,040	2,860	6,240	1.02	1.09		8.64	9.78	
7/9/26	0.0	2.0	8.6	0	46	264	3,640	1,430	0		1.19	1.07		7.91	9.53
7/10/26	8.4	1.0	0.0	272	34	0	0	1,430	6,500	0.98	0.95		9.18	9.51	
7/11/26	2.3	0.8	8.7	65	23	253	4,420	2,860	0	0.98	1.00	1.09	8.03	8.32	9.18
7/12/26	7.8	1.1	4.9	243	29	144	1,040	1,430	8,580	0.97	1.16	1.03	8.76	8.75	8.77
7/13/26	0.0	2.2	9.9	0	63	281	3,640	0	2,080		0.98	1.13		8.19	9.31
7/14/26	8.4	2.3	1.2	261	63	34	0	4,290	8,580	0.99	1.14	1.04	8.91	9.07	8.62
7/15/26	1.5	1.6	8.9	36	46	258	4,420	2,860	0	1.10	0.96	1.12	7.58	8.02	9.42
7/16/26	8.1	2.2	0.0	249	69	0	0	2,860	6,240	0.98	0.95		8.75	8.59	
7/17/26	0.0	2.4	9.8	0	63	281	4,680	2,860	0		1.10	1.10		8.38	9.15
7/18/26	8.5	1.3	1.1	249	34	34	0	4,290	8,580	0.98	1.06	1.01	8.32	8.15	9.14
7/19/26	1.2	0.7	8.9	36	17	253	3,640	0	0	0.97	1.12	1.09	8.29	7.98	8.99
7/20/26	7.8	2.3	1.0	237	63	29	0	1,456	6,500	0.97	1.09	1.12	8.58	8.68	9.33
7/21/26	1.1	1.3	9.1	36	40	276	4,420	4,264	0	1.04	0.97	1.07	9.73	8.73	9.42
7/22/26	8.2	1.5	1.2	255	40	40	1,040	1,430	8,320	0.98	1.04	0.98	8.83	8.08	9.51
7/23/26	1.2	1.4	8.9	30	40	276	3,640	2,470	0	1.09	1.01	1.01	7.90	8.37	9.09
7/24/26	7.2	2.8	2.0	213	80	57	780	1,820	8,580	1.03	1.07	1.05	8.85	8.87	8.72
7/25/26	0.0	1.7	8.5	0	46	276	2,860	4,290	0		1.06	1.01		8.27	9.53
7/26/26	7.8	1.8	2.6	219	46	69	0	2,860	8,580	1.06	1.10	1.06	8.67	8.11	8.18
7/27/26	0.0	1.9	8.3	0	57	235	3,640	1,430	0		1.00	1.11		8.79	9.14
7/28/26	7.9	2.1	0.8	225	57	23	0	2,860	6,500	1.05	1.07	1.00	8.65	8.46	8.32
7/29/26	4.4	3.2	2.9	118	80	80	3,640	4,290	2,080	1.05	1.16	1.15	8.16	8.47	9.21
7/30/26	0.0	1.7	9.2	0	46	264	1,820	4,290	6,240		1.01	1.15		7.91	9.53
7/31/26	8.4	2.4	0.0	237	69	0	0	1,430	11,960	1.08	1.09		8.80	9.07	
Total	133.3	53.5	154.0	3,961	1,475	4,529	62,920	74,360	129,220	22.4	33.0	26.7	188.8	263.4	227.5
Avg	4.3	1.7	5.0	128	48	146	2,030	2,399	4,168	1.0	1.1	1.1	8.6	8.5	9.1

System Samples

8/4/2026 10:03

Date	North West						North East						South West						South East					
	Chlorine						Chlorine						Chlorine						Chlorine					
Week	Total	Free	Ph	Iron	Silc	Hard	Total	Free	Ph	Iron	Silc	Hard	Total	Free	Ph	Iron	Silc	Hard	Total	Free	Ph	Iron	Silc	Hard
1/5	0.32	0.30	7.5	0.02	13	5	0.45	0.36	7.4	0.06	13	5	0.33	0.28	7.6	0.11	11	4	0.31	0.26	7.8	0.11	15	5
1/12	0.33	0.28	7.6	0.14	15	8	0.31	0.27	7.6	0.15	12	6	0.31	0.24	7.5	0.14	12	6	0.34	0.31	7.6	0.03	14	5
1/19	0.29	0.27	7.6	0.15	13	5	0.35	0.31	7.6	0.16	14	4	0.33	0.28	7.5	0.05	14	5	0.30	0.22	7.7	0.04	14	6
1/26	0.44	0.40	7.4	0.02	16	5	0.40	0.38	7.7	0.10	14	4	0.34	0.30	7.8	0.12	9	5	0.43	0.41	7.5	0.16	15	5
2/2	0.28	0.23	7.7	0.06	14	5	0.32	0.26	7.6	0.12	14	4	0.24	0.21	7.5	0.09	11	5	0.32	0.30	7.8	0.12	15	4
2/9	0.58	0.52	7.6	0.06	15	5	0.38	0.28	7.4	0.07	13	7	0.28	0.21	7.5	0.02	14	5	0.31	0.22	7.7	0.02	13	6
2/16	0.41	0.35	7.6	0.03	13	5	0.44	0.42	7.6	0.09	14	4	0.30	0.23	7.5	0.15	14	4	0.35	0.30	7.6	0.11	14	5
2/23	0.39	0.32	7.7	0.01	14	4	0.35	0.27	7.7	0.05	14	5	0.26	0.23	7.7	0.02	15	4	0.29	0.21	7.6	0.03	13	8
3/2	0.33	0.28	7.6	0.01	15	4	0.56	0.52	7.6	0.07	14	5	0.27	0.21	7.7	0.12	8	5	0.36	0.33	7.7	0.13	14	6
3/9	0.33	0.31	7.7	0.04	8	4	0.49	0.40	7.7	0.06	13	8	0.25	0.21	7.6	0.02	11	4	0.28	0.21	7.4	0.02	8	7
3/16	0.37	0.30	7.6	0.05	9	5	0.45	0.40	7.5	0.05	14	7	0.33	0.28	7.7	0.04	10	5	0.35	0.30	7.5	0.03	10	6
3/23	0.36	0.31	7.8	0.04	14	5	0.35	0.27	7.7	0.10	13	7	0.29	0.23	7.6	0.24	13	5	0.33	0.24	7.7	0.14	14	8
3/30	0.64	0.53	7.4	0.04	10	5	0.26	0.23	7.4	0.02	10	5	0.37	0.32	7.6	0.03	16	6	0.28	0.25	7.6	0.05	15	5
4/6	0.37	0.30	7.8	0.10	13	4	0.29	0.24	7.6	0.10	11	8	0.36	0.32	7.6	0.10	13	5	0.28	0.26	7.8	0.16	14	7
4/13	0.33	0.28	7.7	0.13	14	5	0.36	0.24	7.7	0.17	14	5	0.41	0.34	7.8	0.13	16	4	0.24	0.21	7.5	0.18	14	6
4/20	0.37	0.31	7.7	0.09	13	5	0.33	0.24	7.7	0.04	14	5	0.39	0.33	7.7	0.11	14	5	0.27	0.23	7.6	0.15	13	7
4/27	0.33	0.28	7.6	0.05	12	5	0.29	0.25	7.6	0.06	15	4	0.35	0.31	7.7	0.05	13	5	0.31	0.29	7.7	0.10	12	6
5/4	0.32	0.28	7.4	0.03	13	4	0.28	0.24	7.6	0.07	14	6	0.47	0.35	7.6	0.12	11	4	0.33	0.28	7.7	0.03	12	6
5/11	0.49	0.42	7.8	0.13	11	4	0.47	0.40	7.6	0.11	8	5	0.26	0.23	7.5	0.11	14	5	0.52	0.40	7.6	0.10	15	7
5/18	0.31	0.24	7.6	0.07	12	4	0.34	0.25	7.5	0.02	15	5	0.37	0.32	7.6	0.19	15	5	0.25	0.21	7.5	0.02	14	5
5/25	0.35	0.29	7.5	0.02	15	5	0.31	0.25	7.6	0.04	12	5	0.31	0.22	7.5	0.11	14	5	0.35	0.31	7.4	0.01	13	6
6/1	0.39	0.31	7.5	0.06	15	5	0.41	0.35	7.5	0.14	14	7	0.36	0.31	7.4	0.04	14	4	0.29	0.25	7.4	0.13	15	5
6/8	0.54	0.47	7.3	0.02	14	5	0.46	0.40	7.4	0.02	14	5	0.39	0.30	7.5	0.03	16	5	0.27	0.22	7.3	0.02	13	5
6/15	0.39	0.30	7.7	0.01	14	4	0.27	0.20	7.5	0.11	11	5	0.46	0.38	7.4	0.11	9	5	0.32	0.26	7.5	0.05	10	7
6/22	0.33	0.29	7.5	0.02	15	4	0.32	0.30	7.3	0.02	15	5	0.45	0.43	7.7	0.04	14	5	0.36	0.30	7.3	0.05	14	6
6/29	0.71	0.69	7.5	0.09	9	4	0.36	0.34	7.3	0.26	11	8	0.51	0.37	7.5	0.17	15	4	0.35	0.33	7.6	0.14	15	7
7/6	0.43	0.37	7.6	0.05	14	4	0.35	0.26	7.5	0.06	14	8	0.48	0.45	7.3	0.03	15	5	0.27	0.21	7.4	0.03	12	5
7/13	0.51	0.41	7.5	0.13	13	4	0.40	0.30	7.6	0.17	12	5	0.33	0.29	7.5	0.10	14	4	0.37	0.34	7.6	0.12	15	5
7/20	0.40	0.33	7.6	0.18	10	4	0.29	0.24	7.6	0.08	14	6	0.30	0.24	7.5	0.17	13	5	0.32	0.29	7.6	0.16	9	5
7/27	0.36	0.30	7.3	0.02	15	6	0.26	0.22	7.5	0.03	14	7	0.34	0.32	7.5	0.05	14	8	0.39	0.37	7.3	0.03	15	7
8/3	0.29	0.26	7.4	0.14	15	5	0.45	0.41	7.5	0.17	14	7	0.33	0.26	7.5	0.19	15	4	0.33	0.24	7.6	0.13	16	7

2026 HOV Report

	Well Pumps			Booster Pumps			Well	Booster	Sanitary			Sanitary	Pounds of Chloride		
	Well # 1	Well # 2	Well # 3	Well # 1	Well # 2	Well # 3	Totals	Totals	Well # 1	Well # 2	Well # 3	Totals	Well # 1	Well # 2	Well # 3
Jan-26	13,653	4,702	14,001	13,411	4,580	14,989	32,356	32,980	726	609	504	1,839	37,694	37,300	58,513
Feb-26	12,742	4,421	11,415	12,518	4,586	12,212	28,578	29,316	731	613	404	1,748	32,016	36,448	50,469
Mar-26	12,772	4,431	14,472	12,523	4,796	15,468	31,675	32,787	659	603	529	1,791	35,486	36,527	55,831
Apr-26	14,638	6,004	13,199	14,333	5,874	14,109	33,841	34,316	746	800	476	2,022	33,751	48,577	58,355
May-26	14,208	6,302	15,912	13,905	6,181	16,990	36,422	37,076	760	804	590	2,154	35,328	48,577	65,925
Jun-26	9,066	7,384	21,395	8,875	7,125	22,855	37,845	38,855	486	932	784	2,202	22,553	56,368	90,371
Jul-26	15,863	6,030	17,131	15,656	5,807	18,299	39,024	39,762	836	762	684	2,282	38,167	45,107	78,385
Aug-26															
Sep-26															
Oct-26															
Nov-26															
Dec-26															
Average	13,277	5,611	15,361	13,032	5,564	16,417	34,249	35,013	706	732	567	2,005	33,571	44,129	65,407
Total	92,942	92,942	107,525	107,525	38,949	38,949	239,741	239,741	4,944	4,944	3,971	3,971	234,997	234,997	457,850