



UTILITY COMMITTEE MEETING AGENDA

February 11, 2025 at 5:45 PM

Kronenwetter Municipal Center - 1582 Kronenwetter Drive Board Room (Lower Level)

1. CALL MEETING TO ORDER

- A. Pledge of Allegiance
- B. Roll Call

2. PUBLIC COMMENT

Please be advised per State Statute Section 19.84(2), information will be received from the public. It is the policy of this Village that Public Comment will take no longer than 15 minutes with a three-minute time period, per person, with time extension per the Chief Presiding Officer's discretion. Be further advised that there may be limited discussion on the information received, however, no action will be taken under public comments.

3. APPROVAL OF MINUTES

- [C.](#) 2024 11 12 Utility Committee Minutes
- [D.](#) 2024 12 03 Utility Committee Minutes

4. REPORTS AND DISCUSSIONS

- [E.](#) Director of Public Works and Utilities Report

5. OLD BUSINESS

- [F.](#) Discussion and Possible Action: Liquidated Damages
- [G.](#) Discussion and Possible Action: Marathon County Broadband Update

6. NEW BUSINESS

- [H.](#) Discussion and Possible Action: Ehlers Consultation for Lift station 2 & 6 upgrades
- [I.](#) Becher Hoppe Water Filtration Plant Update
- [J.](#) Discussion and Possible Action: Well #2 Change Order

7. NEXT MEETING: March 4, 2025

8. CONSIDERATION OF ITEMS FOR FUTURE AGENDA

9. ADJOURNMENT

WRITTEN COMMENTS: You can send comments on agenda items to kcoyle@kronenwetter.org

NOTE: Requests from persons with disabilities who need assistance to participate in this meeting or hearing should be made at least 24 hours in advance to the Village Clerk's office at (715) 693-4200 during business hours.

Posted: 02/10/2025 Kronenwetter Municipal Center and www.kronenwetter.org

Faxed: WAOW, WSAU, City Pages, Mosinee Times | Emailed: Wausau Daily Herald, WSAW, WAOW, Mosinee Times, Wausau Pilot and Review, City Pages



UTILITY COMMITTEE MEETING MINUTES

November 12, 2024 at 5:45 PM

Kronenwetter Municipal Center - 1582 Kronenwetter Drive Board Room (Lower Level)

1. CALL MEETING TO ORDER

@5:45PM

- A. Pledge of Allegiance
- B. Roll Call

2. PUBLIC COMMENT

Please be advised per State Statute Section 19.84(2), information will be received from the public. It is the policy of this Village that Public Comment will take no longer than 15 minutes with a three-minute time period, per person, with time extension per the Chief Presiding Officer's discretion. Be further advised that there may be limited discussion on the information received, however, no action will be taken under public comments.

3. APPROVAL OF MINUTES

- C. 2024 10 01 UC Meeting Minutes

PRESENT

Alex Vedvik
Craig Mortensen
Jim Buck
Bob Peterson

ABSENT

Cindy Lee Buchkowski-Hoffmann

4. REPORTS AND DISCUSSIONS

- D. Treasurer's Report
No questions
- E. Public Works and Utilities Monthly Report
Updated fee schedule. Submitted lead survey to DNR. Ditch Witch demo last week.

5. NEW BUSINESS

- F. Discussion & Possible Action: Becher Hoppe Drinking Water Treatment Facility Construction Update
Joe - Becher Hoppe- Filter vessels delivered and installed. Completion date changes. Asking for additional time for completion. New date of Jan 16, 2025. Kurita is the hold up on the date. Committee is requesting dates on when the orders were placed. No action until all information is gathered till Dec 3, 2024 Meeting.
Motion made by Peterson, Seconded by Mortensen.
Voting Yea: Vedvik, Mortensen, Buck, Peterson
- G. Discussion & Possible Action: RPS Update on Lift Station 2 & 6 Upgrade Projects

Robert Roth - LS 6 budget is \$100,00.00 general scope is electrical upgrade. Also valve and pipe upgrade with the bypass.

6. OLD BUSINESS

H. 2025 Proposed Water & Sewer Budget

Motion to approve sewer budget as is with a 4% sewer increase starting January 1.

Motion made by Buck, Seconded by Mortensen.

Voting Yea: Vedvik, Mortensen, Buck, Peterson by roll call vote

Motion to approve water budget as is with the fire hydrants be moved to capitol item

Motion made by Vedvik, Seconded by Buck.

Voting Yea: Vedvik, Mortensen, Buck, Peterson

7. NEXT MEETING: DECEMBER 3, 2024

8. CONSIDERATION OF ITEMS FOR FUTURE AGENDA

1. Continued revisit budget and rate case.

9. ADJOURNMENT

Motion to Adjourn @ 7:53PM

Motion made by Peterson, Seconded by Mortensen.

Voting Yea: Vedvik, Mortensen, Buck, Peterson

WRITTEN COMMENTS: You can send comments on agenda items to kcoyle@kronenwetter.org

NOTE: *Requests from persons with disabilities who need assistance to participate in this meeting or hearing should be made at least 24 hours in advance to the Village Clerk's office at (715) 693-4200 during business hours.*

Posted: 11/11/2024 Kronenwetter Municipal Center and www.kronenwetter.org

Faxed: WAOW, WSAU, City Pages, Mosinee Times | Emailed: Wausau Daily Herald, WSAW, WAOW, Mosinee Times, Wausau Pilot and Review, City Pages



UTILITY COMMITTEE MEETING MINUTES

December 03, 2024 at 5:45 PM

Kronenwetter Municipal Center - 1582 Kronenwetter Drive Board Room (Lower Level)

1. CALL MEETING TO ORDER

@5:45PM

A. Pledge of Allegiance

B. Roll Call

PRESENT

Alex Vedvik

Jim Buck

Bob Peterson

ABSENT

Craig Mortensen

2. PUBLIC COMMENT

Please be advised per State Statute Section 19.84(2), information will be received from the public. It is the policy of this Village that Public Comment will take no longer than 15 minutes with a three-minute time period, per person, with time extension per the Chief Presiding Officer's discretion. Be further advised that there may be limited discussion on the information received, however, no action will be taken under public comments.

No Public Comment

3. REPORTS AND DISCUSSIONS

C. Utility Director Report

Overview by Greg Ulman - Water tower level has been lowered for the winter.

4. OLD BUSINESS

D. Discussion & Possible Action: Becher-Hoppe Update

Overview given by Joe from Becher Hoppe- Motion to table extension for 7 days to receive paperwork on when the order was placed with Kurita.

Motion made by Buck, Seconded by Peterson.

Voting Yea: Vedvik, Buck, Peterson

Becher Hoppe asked for \$8,000 in Admin cost to complete the project. Motion to authorize additional \$8,000 to be added to Construction services & request Becher Hoppe submit an itemized report of services rendered.

Motion made by Vedvik, Seconded by Buck.

Voting Yea: Vedvik, Buck, Peterson by roll

5. NEXT MEETING: JANUARY 7, 2025

6. CONSIDERATION OF ITEMS FOR FUTURE AGENDA

Follow-up on Filtration plant

7. ADJOURNMENT

@7:33PM

Motion made by Peterson, Seconded by Vedvik.

Voting Yea: Vedvik, Buck, Peterson

WRITTEN COMMENTS: You can send comments on agenda items to kcoyle@kronenwetter.org

NOTE: Requests from persons with disabilities who need assistance to participate in this meeting or hearing should be made at least 24 hours in advance to the Village Clerk's office at (715) 693-4200 during business hours.

Posted: 12/2/2024 Kronenwetter Municipal Center and www.kronenwetter.org

Faxed: WAOW, WSAU, City Pages, Mosinee Times | **Emailed:** Wausau Daily Herald, WSAW, WAOW, Mosinee Times, Wausau Pilot and Review, City Pages



Report to Utility Committee

Item Name: Director of Public Works and Utilities Report

Meeting Date: February 11, 2025

Referring Body:

Committee Contact:

Staff Contact: Greg Ulman

Report Prepared by: Greg Ulman

- Pump 2 has failed at Lift Station 3 on Friday Feb 7th, we need to order one ASAP.
- We have a set of double doors that were supposed to be installed at the new filtration building, but instead installed a garage door. If those doors fit the frame of the existing double doors by the well, we are going to replace the old doors.
- The backup power supply at the elevated tower has failed, we purchased a new one for roughly \$80, and have it back in service already.
- We purchased a new chemical resistant table for the filtration plant, it'll be used for mixing potassium permanganate, the cost was \$790.
- We also purchased a new colorimeter for testing iron and manganese which will meet DNR requirements for testing the new filtration plant, cost was \$2,344.00
- We submitted the DNR 2025 Monitor Waiver Application in January. The application is a yearly form we fill out with information of nearby private wells and chemical storage location in proximity to our wells.
- We did an emergency purchase of the furnace at the well house for \$4,090.00 on January 22. The old one failed during the cold stretch in January.

Wisconsin Department of Natural Resources
Drinking Water System
Electronic Monthly Operating Report Review

Report Ran On: 02/04/2025
District No: 6 PWS ID: 73717006 PWS Name: KRONENWETTER WATER & SEWER UTILITY
EPA ID: Inventory Name: System Operational Area

Process	Chlorine Residual - free	Fluoride Residual	Orthophosp hate Residual
Field	Chlorine Residual System (mg/L) - free	Fluoride Residual System (mg/L)	Orthophosp hate Residual System (mg/L)
01/01/2025	0.49	0.43	0.60
01/02/2025	0.02	0.37	1.51
01/03/2025	1.11	0.36	1.53
01/04/2025	0.81	0.33	1.07
01/05/2025	0.33	0.37	0.74
01/06/2025	1.08	0.34	0.82
01/07/2025	0.77	0.34	0.84
01/08/2025	1.28	0.32	1.01
01/09/2025	1.39	0.29	0.71
01/10/2025	0.25	0.44	0.94
01/11/2025	0.36	0.51	0.69
01/12/2025	0.32	0.50	0.79
01/13/2025	0.41	0.48	0.98
01/14/2025	1.31	0.62	0.73
01/15/2025	0.21	0.42	1.46
01/16/2025	1.41	0.69	0.05
01/17/2025	0.01	0.40	1.10
01/18/2025	1.36	0.62	0.20
01/19/2025	1.21	0.68	0.14
01/20/2025	0.03	0.51	0.98
01/21/2025	0.71	0.47	0.85
01/22/2025	1.10	0.58	0.77
01/23/2025	1.12	0.57	0.25

01/24/2025	0.95	0.60	0.69
01/25/2025	0.77	0.55	0.83
01/26/2025	0.99	0.53	0.91
01/27/2025	0.97	0.51	0.55
01/28/2025	0.91	0.39	0.84
01/29/2025	0.69	0.52	0.67
01/30/2025	0.08	0.64	0.39
01/31/2025	1.03	0.48	0.33
TOTAL	23.48	14.86	23.97
AVG	0.76	0.48	0.77
Used AVG	0.76	0.48	0.77
MIN	0.01	0.29	0.05
MAX	1.41	0.69	1.53

Wisconsin Department of Natural Resources
Drinking Water System
Electronic Monthly Operating Report Review

Report Ran On: 02/04/2025 PWS ID: 73717006 PWS Name: KRONENWETTER WATER & SEWER UTILITY
District No: 6 EPA ID: Inventory Name: System Operational Area

Comment
Comment
Comments

**Wisconsin Department of Natural Resources
Drinking Water System
Electronic Monthly Operating Report Review**

Report Ran On: 02/04/2025

District No: 6 PWS ID: 73717006 PWS Name: KRONENWETTER WATER & SEWER UTILITY
EPA ID: 1 Inventory Name: Well 1

Process	Raw	Pump to Waste	Well Water Levels	Well Water Levels	Well Water Levels	Chlorine	Chlorine	Chlorine	Fluoride	Fluoride	Fluoride
Field	Water Pumped (1000 gallons)	Pump to Waste (1000 gallons)	Hours Rest	Static Water Level (feet)	Pumping Water Level (feet)	Amount Used (lbs)	Calculated Dose (mg/L)	Chlorine Residual Entry Point (mg/L)	Amount Used (lbs)	Calculated Dose (mg/L)	Fluoride Residual Entry Point (mg/L)
01/01/2025	141.000					39.00	4.15		5.00	0.84	
01/02/2025	142.000		3.00	18.60		39.00	4.12		5.00	0.84	
01/03/2025	159.000					12.00	1.13		6.00	0.90	
01/04/2025	143.000					9.00	0.94		5.00	0.83	
01/05/2025	154.000					9.00	0.88		6.00	0.93	
01/06/2025	142.000					17.00	1.79		5.00	0.84	
01/07/2025	267.000					56.00	3.14		8.00	0.71	
01/08/2025	235.000					68.00	4.34		10.00	1.01	
01/09/2025	157.000					42.00	4.01		5.00	0.76	
01/10/2025	138.000				47.60	30.00	3.26		5.00	0.86	
01/11/2025	164.000					43.00	3.93		6.00	0.87	
01/12/2025	130.000					29.00	3.34		9.00	1.64	
01/13/2025	144.000					43.00	4.48		2.00	0.33	
01/14/2025	266.000		2.00	18.60		29.00	1.63		9.00	0.80	
01/15/2025	398.000					43.00	1.62		10.00	0.60	
01/16/2025	226.000				48.60	49.00	3.25		12.00	1.26	
01/17/2025	165.000					35.00	3.18		6.00	0.86	
01/18/2025	147.000					32.00	3.26		5.00	0.81	
01/19/2025	154.000					40.00	3.89		12.00	1.85	
01/20/2025	151.000					33.00	3.28		5.00	0.79	
01/21/2025	140.000					36.00	3.85		5.00	0.85	
01/22/2025	121.000		6.00	18.60		38.00	4.71		4.00	0.79	
01/23/2025	113.000					17.00	2.26		4.00	0.84	

Section 4, Item E.

01/24/2025	157.000						26.00	2.48			6.00	0.91	
01/25/2025	286.000						28.00	1.47			10.00	0.83	
01/26/2025	162.000						22.00	2.04			6.00	0.88	
01/27/2025	163.000					48.60	18.00	1.66			5.00	0.73	
01/28/2025	183.000			7.00	19.10		25.00	2.05			7.00	0.91	
01/29/2025	163.000						21.00	1.93			6.00	0.87	
01/30/2025	143.000						48.00	5.03			5.00	0.83	
01/31/2025	166.000			18.00	74.90	144.80	31.00	2.80			6.00	0.86	
TOTAL	5,420.000			0.58	2.42	4.67	1,007.00	89.90			200.00	27.63	
AVG	174.840			4.50	18.73	48.27	32.48	2.90			6.45	0.89	
Used AVG	174.840			2.00	18.60	47.60	32.48	2.90			6.45	0.89	
MIN	113.000			7.00	19.10	48.60	9.00	0.88			2.00	0.33	
MAX	398.000						68.00	5.03			12.00	1.85	

Wisconsin Department of Natural Resources
Drinking Water System
Electronic Monthly Operating Report Review

Report Ran On: 02/04/2025

District No: 6 PWS ID: 73717006 PWS Name: KRONENWETTER WATER & SEWER UTILITY
EPA ID: 1 Inventory Name: Well 1

Chemical	
Chlorine	
Concentration - Bulk %	12.5
Concentration - Active %	12.5
Fluoride	
Concentration - Bulk %	19.8
Concentration - Active %	19.8
Comment	
Comment	
Comments	

[illegible]

[illegible]

[illegible]

	0.02		0.006
	0.03		0.014
	0.00		0.000
	0.02		0.010
	0.01		0.010
	0.02		0.010

Wisconsin Department of Natural Resources
Drinking Water System
Electronic Monthly Operating Report Review

Report Ran On: 02/04/2025

District No: 6 PWS ID: 73717006 PWS Name: KRONENWETTER WATER & SEWER UTILITY
EPA ID: 2 Inventory Name: Well 2

Chemical	
Chlorine	
Concentration - Bulk %	12.5
Concentration - Active %	12.5
Chlorine Pre	
Concentration - Bulk %	12.5
Concentration - Active %	12.5
Chlorine Post	
Concentration - Bulk %	12.5
Concentration - Active %	12.5
Fluoride	
Concentration - Bulk %	19.8
Concentration - Active %	19.8
Phosphate (ortho)	
Product Name	Aquadene MP4130
Concentration - Active %	2.5
Oxidizer - Potassium Permanganate	
Concentration - Active %	3
Comment	
Comment	
Comments	Fluoride pump offline thru 1-7-25 during treatment plant construction. Poly feed shut off on 1-23-25 for DWTP. DWTP went online on 1-28-25.
Comments	

MONTHLY PUMPAGE
WELL #1
January 2025

DATE	METER	DAY FLO	CL READ	CL RESID	FL READ	FL RESID	CL #	FL #
1	639856	141	158	2.63	515	1.03	39	5
2	639997	142	119	2.61	510	1.02	39	5
3	640139	159	523	0.72	505	1.09	12	6
4	640298	143	511	0.60	499	1.01	9	5
5	640441	154	502	0.55	494	1.13	9	6
6	640595	142	493	1.14	488	1.02	17	5
7	640737	267	476	1.99	483	0.87	56	8
8	641004	235	420	2.75	475	1.23	68	10
9	641239	157	352	2.54	465	0.92	42	5
10	641396	138	310	2.06	460	1.05	30	5
11	641534	164	280	2.49	455	1.06	43	6
12	641698	130	237	2.12	449	2.01	29	9
13	641828	144	208	2.84	440	0.40	43	2
14	641972	266	387	1.04	438	0.98	29	9
15	642238	398	358	1.03	429	0.73	43	10
16	642636	226	315	2.06	419	1.54	49	12
17	642862	165	266	2.01	407	1.05	35	6
18	643027	147	231	2.07	401	0.99	32	5
19	643174	154	199	2.47	396	2.26	40	12
20	643328	151	159	2.08	390	0.96	33	5
21	643479	140	126	2.44	385	1.04	36	5
22	643619	121	90	2.98	380	0.96	38	4
23	643740	113	537	1.43	376	1.03	17	4
24	643853	157	520	1.57	372	1.11	26	6
25	644010	286	494	0.93	366	1.01	28	10
26	644296	162	466	1.29	356	1.07	22	6
27	644458	163	444	1.05	350	0.89	18	5
28	644621	183	426	1.30	345	1.11	25	7
29	644804	163	401	1.22	338	1.07	21	6
30	644967	143	380	3.19	332	1.01	48	5
31	645110	166	332	1.77	327	1.05	31	6
1	645276		301		321			
TOTAL	5420	5420		9.82		6.20	1007	200
AVG	180.67			0.33		0.21	33.57	6.67

Monthly Pumpage: Well 2 January 2025

DATE	METER	FLOW	Post CL Read	Post CL # Used	CL RESID	FL READ	FL #	FL RESID	PO READ	PO #	PO RESID	Pre CL Read	Pre CL # Used	Pot Perm read	Pre CL #
1	51633	171	288	31	1.721	334	0	0.000	84	32	4.75		0		0
2	51804	173	257	30	1.647	334	0	0.000	142	30	4.40		0		0
3	51977	189	227	34	1.708	334	0	0.000	112	35	4.70		0		0
4	52166	171	193	31	1.721	334	0	0.000	77	31	4.60		0		0
5	52337	183	162	25	1.297	334	0	0.000	46	27	3.75		0		0
6	52520	171	130	30	1.666	334	0	0.000	334	30	4.46		0		0
7	52691	23	100	5	2.064	340	1	1.261	304	5	5.52		0		0
8	52714	99	95	17	1.631	339	2	0.586	299	15	3.85		0		0
9	52813	187	575	22	1.117	337	3	0.465	284	37	5.03		0		0
10	53000	163	553	36	2.097	334	5	0.890	247	29	4.52		0		0
11	53163	196	523	36	1.744	329	4	0.592	218	36	4.67		0		0
12	53359	155	487	28	1.715	325	4	0.748	182	28	4.59		0		0
13	53514	172	459	32	1.767	321	4	0.674	154	29	4.28		0		0
14	53686	127	427	21	1.570	317	7	1.598	125	25	5.00		0		0
15	53813	233	406	25	1.019	310	4	0.498	100	39	4.25		0		0
16	54046	179	381	12	0.637	306	4	0.648	337	7	0.99		0		0
17	54225	338	369	37	1.040	302	7	0.601	330	11	0.83		0		0
18	54563	181	332	33	0.000	295	5	0.000	319	32	0.00		0		0
19	54744	191	299	35	0.000	290	5	0.000	287	21	0.00		0		0
20	54935	183	264	34	1.764	285	4	0.634	266	46	6.38		0		0
21	55118	173	230	31	1.702	281	4	0.671	220	32	4.70		0		0
22	55291	181	199	36	1.889	277	1	0.160	188	5	0.70		0		0
23	55472	189	177	18	0.904	276	7	1.074	183	0	0.00		0		0
24	55661	188	571	20	1.010	269	3	0.463	183	0	0.00		0		0
25	55849	112	551	12	1.017	266	4	1.036	183	0	0.00		0		0
26	55961	121	539	13	1.020	262	3	0.719	183	0	0.00		0		0
27	56082	126	526	13	0.980	259	3	0.690	183	0	0.00		0		0
28	56208	138	513	15	1.032	256	3	0.630	183	0	0.00	737	8	212	39
29	56346	154	498	16	0.987	253	4	0.753	183	0	0.00	729	9	173	47
30	56500	20	482	14	6.647	249	3	4.350	183	0	0.00	720	4	126	8
31	56520	296	468	16	0.513	246	4	0.392	183	0	0.00	716	3	574	45
1	56816		452			242			183			713		566	
TOT	5183	5183		758	36.449		98	14.008		582	81.977		24		139
AVG				25.27	1.215		3.27	0.467		19.40	2.733		0.80		4.63

DATE	Well 1 Flow (x1000)	WELL 2 Flow (x1000)	Combined Pumpage
1	141	171	312
2	142	173	315
3	159	189	348
4	143	171	314
5	154	183	337
6	142	171	313
7	267	23	290
8	235	99	334
9	157	187	344
10	138	163	301
11	164	196	360
12	130	155	285
13	144	172	316
14	266	127	393
15	398	233	631
16	226	179	405
17	165	338	503
18	147	181	328
19	154	191	345
20	151	183	334
21	140	173	313
22	121	181	302
23	113	189	302
24	157	188	345
25	286	112	398
26	162	121	283
27	163	126	289
28	183	138	321
29	163	154	317
30	143	20	163
31	166	296	462
Total	5420	5183	10603
Min	113	20	163
Max	398	338	631

353.4

	Resid	Clearwater	Comm	Industrial	Public	E/W Total	TOTAL
2024 Total							
East Total	1790	173	66	0	5	2034	
West Total	364	30	48	7	1	450	2484
Jan (2025)							
East	0	0	0	0	0	2034	
West	0	0	0	0	0	450	2484
	Resid	Clearwater	Comm	Industrial	Public	E/W Total	TOTAL
2025 Total							
East Total	1790	173	66	0	5	2034	
West Total	364	30	48	7	1	450	2484

Water Pumpage

2024	Well 1	Well 2	Total	Ave. Day	Ave. Day/cust
Oct	4,978,000	6,069,000	11,047,000	356,355	144
Nov	4,213,000	5,142,000	9,355,000	311,833	126
Dec	5,056,000	4,802,000	9,858,000	318,000	128
TOTAL	68,055,000	67,347,100	135,402,100	368,173	
2025	Well 1	Well 2	Total	Ave. Day	Ave. Day/cust
Jan	5,420,000	5,183,000	10,603,000	342,032	138
TOTAL	5,420,000	5,183,000	10,603,000	28,503	

Wastewater Flows

2024	East	Ave. day	West	Ave. day	Total
Oct	6,080,000	196,129	2,615,000	84,355	8,695,000
Nov	6,082,000	196,194	2,746,000	88,581	8,828,000
Dec	6,273,000	202,355	2,566,000	82,774	8,839,000
TOTAL	85,506,000	2,758,258	36,418,000	33,447	121,924,000
2025	East	Ave. day	West	Ave. day	Total
Jan	6,435,000	207,581	2,610,000	84,194	9,045,000
TOTAL	6,435,000	207,581	2,610,000	2,806	9,045,000

Water Pumpage vs Wastewater Flow

2025	Wastewater	Water Pumped	Ratio
Jan	9,045,000	10,603,000	85%
Feb	0	0	#DIV/0!
Mar	0	0	#DIV/0!
Apr	0	0	#DIV/0!
May	0	0	#DIV/0!

0.941893158 adj. ratio to account for WTP flushing.

Jun	0	0	#DIV/0!
Jul	0	0	#DIV/0!
Aug	0	0	#DIV/0!
Sep	0	0	#DIV/0!
Oct	0	0	#DIV/0!
Nov	0	0	#DIV/0!
Dec	0	0	#DIV/0!
TOTAL	9,045,000	10,603,000	85%

#REF!	#REF!
#REF!	#REF!
#REF!	#REF!

Run Time of Lift Station Pumps																		
	Lift Station 1						Lift Station 2						Lift Station 3					
	Pump 1			Pump 2			Pump 1			Pump 2			Pump 1			Pump 2		
Oct-24	16258	65	-7.14%	17017	59	-16.90%	6535	55	-16.67%	5926	63	-5.97%	18183	86	-12.24%	16066	70	20.69%
Nov-24	16328	70	7.69%	17074	57	-3.39%	6601	66	20.00%	5981	55	-12.70%	18268	85	-1.16%	16161	95	35.71%
Dec-24	16404	76	8.57%	17152	78	36.84%	6667	66	0.00%	6048	67	21.82%	18371	103	21.18%	16278	117	23.16%
Jan-25	16479	75	-1.32%	17228	76	-2.56%	6735	68	3.03%	6117	69	2.99%	18481	110	6.80%	16362	84	-28.21%

Run Time of Lift Station Pumps																		
Month/ Year	Lift Station 4						Lift Station 5						Lift Station 6					
	Pump 1			Pump 2			Pump 1			Pump 2			Pump 1			Pump 2		
	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change
Oct-24	20272	131	-24.28%	23598	41	#DIV/0!	6476	48	-7.69%	15807	57	-9.52%	8681	18	-5.26%	8981	18	-10.00%
Nov-24	20354	82	-37.40%	23675	77	87.80%	6525	49	2.08%	15869	62	8.77%	8698	17	-5.56%	8999	18	0.00%
Dec-24	20448	94	14.63%	23758	83	7.79%	6580	55	12.24%	15932	63	1.61%	8721	23	35.29%	9022	23	27.78%
Jan-25	20540	92	-2.13%	23841	83	0.00%	6635	55	0.00%	15995	63	0.00%	8742	21	-8.70%	9044	22	-4.35%

Run Time of Lift Station Pumps																		
	Lift Station 7						Lift Station 8						Lift Station 9					
	Pump 1			Pump 2			Pump 1			Pump 2			Pump 1			Pump 2		
Month/ Year	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change
Oct-24	13844	36	-10.00%	13382	42	2.44%	22479	60	-7.69%	6244	83	-9.78%	291	28	-12.50%	21063	29	-9.38%
Nov-24	13882	38	5.56%	13421	39	-7.14%	22542	63	5.00%	6322	78	-6.02%	318	27	-3.57%	21091	28	-3.45%
Dec-24	13926	44	15.79%	13465	44	12.82%	22612	70	11.11%	6429	107	37.18%	351	33	22.22%	21124	33	17.86%
Jan-25	13969	43	-2.27%	13508	43	-2.27%	22683	71	1.43%	6525	96	-10.28%	383	32	-3.03%	21157	33	0.00%

	Lift Station 10						Lift Station 11					
	<u>Pump 1</u>			<u>Pump 2</u>			<u>Pump 1</u>			<u>Pump 2</u>		
Month/Year	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change	End Hours	# Hrs. For Month	% Change
Oct-24	2092	10	-16.67%	1967	11	-8.33%	15873	39	-11.36%	18083	41	-12.77%
Nov-24	2104	12	20.00%	1980	13	18.18%	15917	44	12.82%	18130	47	14.63%
Dec-24	2118	14	16.67%	1994	14	7.69%	15962	45	2.27%	18178	48	2.13%
Jan-25	2131	13	-7.14%	2007	13	-7.14%	16008	46	2.22%	18227	49	2.08%



330 N. 4th Street, Wausau, WI 54403-5417
715-845-8000 | becherhoppe.com

February 7, 2025

Mr. Greg Ulman
Director of Public Works/Utilities Superintendent
Village of Kronenwetter
1582 Kronenwetter Drive
Kronenwetter, WI 54455

Via Email: GUlman@kronenwetter.org

Subject: Well No. 2 Water Treatment Facility Payment Request No. 12

Dear Greg:

Enclosed herewith is Payment Request No. 12 (Period ending 1/31/2025) in the amount of \$305,099.35 (Line 8). The balance to finish is the remaining retainage of \$71,402.00 (Line 9). We concur with Payment Request No. 12. Please notify us after the Payment Requests are approved by the Village and we will prepare the SDRF loan withdrawal.

Sincerely,

A handwritten signature in blue ink, appearing to read "Joe Kafczynski".

Joe Kafczynski, P.E.
Project Engineer

JRK

Enclosures

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER : Village of Kronenwetter PROJECT: Kronenwetter Well APPLICATION NO. 12 DISTRIBUTION TO
 #100780 1582 Kronenwetter Drive House 2
 Kronenwetter, WI 54455

DATE: 1/30/2025
 PERIOD TO: 1/31/2025

FROM CONTRACTOR: Ellis Stone Construction Company, Inc.
 3201 Stanley Street
 Stevens Point, WI 54481

ARCHITECT'S PROJECT NO.

JOB # 23061

CONTRACT DATE: June 26, 2023

ATTENTION:

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY		ADDITIONS	DEDUCTIONS
Change Orders approved in previous months by Owner			
TOTAL		\$66,444.00	
Approved this Month			
Number	Date Approved		
TOTALS		\$66,444.00	\$0.00
Net change by Change Orders		\$66,444.00	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: ELLIS STONE CONSTRUCTION COMPANY, INC.

By: Erik C Carlson Date: 1/30/2025

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising of the above application, the Architect certified to the Owner that to the best of the Architects's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Application is made for Payment, as shown below, in connection with the contract. A Continuation sheet is attached.

1. ORIGINAL CONTRACT SUM.....	\$2,862,000.00
2. Net change by Change Orders.....	\$66,444.00
3. CONTRACT SUM TO DATE (Line 1+ 2).....	\$2,928,444.00
4. TOTAL COMPLETED & STORED TO DATE.....	\$2,928,444.00

5. RETAINAGE:

- a. 5% of 1st 50% of contract \$71,402.00
 b. % of Stored Material \$

6. TOTAL EARNED LESS RETAINAGE \$2,857,042.00

7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)..... \$2,551,942.65

8. CURRENT PAYMENT DUE..... \$305,099.35

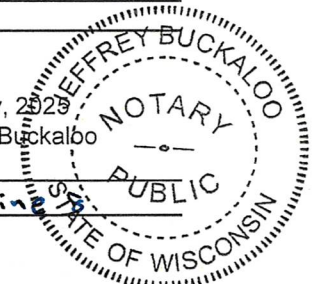
9. BALANCE TO FINISH, PLUS RETAINAGE..... \$71,402.00
 (Line 3 less Line 6)

State of: Wisconsin County of: Portage
 Subscribed and sworn to before me this 30th day of January, 2025
 Notary Public: Jeffrey Buckaloo
 My Commission expires: April 15, 2027

AMOUNT CERTIFIED.....\$ Line 9

(Attach explanation if amount certified differs from the amount applied for.)

ARCHITECT: Joe Kaufman Date: 2/7/2025



CONTINUATION SHEET

AIA DOCUMENT G703

PAGE OF PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: 12
 APPLICATION DATE: 1/30/2025
 PERIOD TO: 1/31/2025
 ARCHITECT'S PROJECT NO:

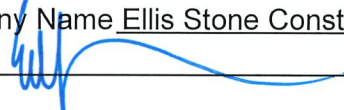
A	B	C	D	E	F	G	H	I	J
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (G - E)	THIS PERIOD					
01	General Conditions	\$107,945.00	\$102,547.75	\$5,397.25		\$107,945.00	100.00%	\$0.00	\$2,698.63
02	Selective Demolition & Misc.	\$10,026.00	\$10,026.00	\$0.00		\$10,026.00	100.00%	\$0.00	\$250.65
03	Building Concrete - Foundations	\$61,350.00	\$61,350.00	\$0.00		\$61,350.00	100.00%	\$0.00	\$1,533.75
04	Building Concrete - Flatwork	\$17,578.00	\$17,578.00	\$0.00		\$17,578.00	100.00%	\$0.00	\$439.45
05	Masonry	\$149,872.00	\$149,872.00	\$0.00		\$149,872.00	100.00%	\$0.00	\$3,746.80
06	Structural Steel - Supply	\$9,508.00	\$9,508.00	\$0.00		\$9,508.00	100.00%	\$0.00	\$237.70
07	Rough Carpentry	\$40,018.00	\$40,018.00	\$0.00		\$40,018.00	100.00%	\$0.00	\$1,000.45
08	Batt and Blown Insulation	\$3,832.00	\$3,832.00	\$0.00		\$3,832.00	100.00%	\$0.00	\$95.80
09	Steel Shingles	\$72,364.00	\$72,364.00	\$0.00		\$72,364.00	100.00%	\$0.00	\$0.00
10	Joint Sealants	\$7,437.00	\$7,437.00	\$0.00		\$7,437.00	100.00%	\$0.00	\$185.93
11	Doors / Frames / Hardware	\$17,949.00	\$17,949.00	\$0.00		\$17,949.00	100.00%	\$0.00	\$448.73
12	FRP Ceiling Panels & Furring	\$26,781.00	\$26,781.00	\$0.00		\$26,781.00	100.00%	\$0.00	\$669.53
13	Painting and Coating	\$79,230.00	\$79,230.00	\$0.00		\$79,230.00	100.00%	\$0.00	\$1,980.75
14	Fire Protection Specialties	\$594.00	\$594.00	\$0.00		\$594.00	100.00%	\$0.00	\$14.85
15	Electrical	\$255,861.00	\$243,067.95	\$12,793.05		\$255,861.00	100.00%	\$0.00	\$6,396.53
16	Earthwork	\$69,828.00	\$69,828.00	\$0.00		\$69,828.00	100.00%	\$0.00	\$1,745.70
17	Asphalt Paving	\$9,236.00	\$9,236.00	\$0.00		\$9,236.00	100.00%	\$0.00	\$230.90
18	Landscaping	\$9,864.00	\$9,864.00	\$0.00		\$9,864.00	100.00%	\$0.00	\$246.60
19	Process Piping Package Original Contract	\$1,912,727.00	\$1,625,817.95	\$286,909.05		\$1,912,727.00	100.00%	\$0.00	\$47,818.18
20	Change Order 1 - Flow Meter Work	\$1,586.00	\$1,586.00	\$0.00		\$1,586.00	100.00%	\$0.00	\$39.65
21	Change Order 2 - Water Main Break	\$9,457.00	\$9,457.00	\$0.00		\$9,457.00	100.00%	\$0.00	\$236.43
22	Change Order 3 - RFP 02 - Overhead Door	\$53,707.00	\$53,707.00	\$0.00		\$53,707.00	100.00%	\$0.00	\$1,342.68
23	Change Order 4 RFI #7 Attic Scuttle Relocation Change Orders	\$1,694.00	\$1,694.00	\$0.00		\$1,694.00	100.00%	\$0.00	\$42.35
	GRAND TOTALS	\$2,928,444.00	\$2,623,344.65	\$305,099.35	\$0.00	\$2,928,444.00		\$0.00	\$71,402.00

Waiver of Construction Lien, Payment
Bond and Lien on Funds

January 30, 2025

For good and valuable consideration, the undersigned hereby irrevocably and unconditionally waives and releases any and all (a) rights and claims for a construction or other lien on land and buildings being constructed, altered, erected or repaired and to the appurtenances thereunto, (b) rights and claims on any payment bond (s) furnished in conjunction with said construction, alteration, erection or repair, and (c) rights and claims for lien on money, bonds, or warrants due or to become due to the prime contractor therefore. The property covered by this waiver is owned by Village of Kronenwetter (owner), is located at 1582 Kronenwetter Drive, Kronenwetter, WI, in the County of Marathon, Wisconsin, is described as Kronenwetter Well House 2. And this waiver pertains to a portion of the work to be performed by Ellis Stone Construction Company, Inc. (prime contractor).

This waiver covers all labor, material and supplies for construction, alteration, erection, and repairs furnished by the undersigned under a contract with Village of Kronenwetter. Through the date of this waiver in the amount of \$305,099.35 for Application #12 upon receipt of payment.

Company Name Ellis Stone Construction Co., Inc.
By  Erik C Carlson
Its President

Greg Ulman

From: Joe Kafczynski <jkafczynski@becherhoppe.com>
Sent: Friday, February 7, 2025 10:22 AM
To: Greg Ulman
Subject: RE: [External] Invoices

Good morning Greg,

In this email I'm sharing a bunch of the project files though our share file site which can be accessed by clicking on the links provided below:

January 2025 Project Status Report:

 [250207 Kron Jan 2025 Project Status Report](#)

Ellis Change Order Request for Additional Well Pump Replacement Work. Additional Information has been provided with captioned pictures:

 [250207 Kron Ellis Well Change Order](#)

Ellis Pay App 12. With this pay app, only retainage remains. It is suggested that enough funds remain if LD's are going to be enforced:

 [250207 Kron Pay App 12](#)

In this folder you will find our invoices with details for RPR services through the start up of the facility, my site notes and testing results taken throughout start up, as well as a request for additional services in the amount of \$10,000. With the start up, we exceeded the \$8,00 originally requested by approximately \$9,300. The remaining \$700 would be for punch list completion and/or if staff have additional operation questions. Startup required additional time for us to be out on site. This included effluent quality testing throughout startup and once the system was online until the Village received their test equipment, Training Village staff on chemical make up and effluent quality testing procedures, coordinating with DNR staff for site walk throughs and permissions for the filters to discharge to the distribution system, coordination with DNR to request to discontinuation of phosphate addition, additional programming coordination to modify backwash sequences based on site conditions and all other items as described in the invoices.

 [250207 Kron Add Services Invoices and Site Notes](#)

If you have any questions on these items, please feel free to contact me.

Thanks,

Joe Kafczynski, PE
Project Engineer

Becher-Hoppe Associates, Inc.
330 N. 4th Street | Wausau WI | 54403

Direct 715-845-0436 | Mobile 715-574-6031
Main 715-845-8000
jkafczynski@becherhoppe.com | www.becherhoppe.com

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From: Greg Ulman <gulman@kronenwetter.org>
Sent: Tuesday, February 4, 2025 10:09 AM
To: Joe Kafczynski <jkafczynski@becherhoppe.com>
Subject: Re: [External] Invoices

Thanks Joe,

Any time before the end of the week would be good.

Thanks again.

Get [Outlook for iOS](#)

From: Joe Kafczynski <jkafczynski@becherhoppe.com>
Sent: Tuesday, February 4, 2025 9:19:27 AM
To: Greg Ulman <gulman@kronenwetter.org>
Subject: RE: [External] Invoices

Greg,

I will have something for you tomorrow. This way we can see how today goes to ensure everything is running as it should.

Thanks,

Joe Kafczynski, PE
Project Engineer

Becher-Hoppe Associates, Inc.
330 N. 4th Street | Wausau WI | 54403
Direct 715-845-0436 | Mobile 715-574-6031
Main 715-845-8000
jkafczynski@becherhoppe.com | www.becherhoppe.com

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From: Greg Ulman <gulman@kronenwetter.org>
Sent: Monday, February 3, 2025 10:40 AM
To: Joe Kafczynski <jkafczynski@becherhoppe.com>
Subject: Invoices

Good morning Joe,

I am putting together next weeks UC agenda, and if you could provide me with invoices you may have for us for additional services beyond our original scope for liquidated damages, I'd appreciate it.

Also, if you have updates to the project I'll put that in the packet as well.

Thanks,

Greg Ulman
Director of Public Works/Utilities Superintendent



1582 Kronenwetter Drive
Kronenwetter, WI 54455
715-693-4200 ext. 1731
715-693-4202 Fax
www.kronenwetter.org

Payment Schedule as of January 27, 2025
Village of Kronenwetter

Project: 5533-04

Due Date	Principal	Rate	Interest	Total Payment
05/01/2025	98,575.22	2.145%	24,316.27	122,891.49
11/01/2025		2.145%	23,422.30	23,422.30
05/01/2026	100,689.65	2.145%	23,422.30	124,111.95
11/01/2026		2.145%	22,342.41	22,342.41
05/01/2027	102,849.45	2.145%	22,342.41	125,191.86
11/01/2027		2.145%	21,239.35	21,239.35
05/01/2028	105,055.57	2.145%	21,239.35	126,294.92
11/01/2028		2.145%	20,112.62	20,112.62
05/01/2029	107,309.01	2.145%	20,112.62	127,421.63
11/01/2029		2.145%	18,961.74	18,961.74
05/01/2030	109,610.79	2.145%	18,961.74	128,572.53
11/01/2030		2.145%	17,786.16	17,786.16
05/01/2031	111,961.94	2.145%	17,786.16	129,748.10
11/01/2031		2.145%	16,585.37	16,585.37
05/01/2032	114,363.52	2.145%	16,585.37	130,948.89
11/01/2032		2.145%	15,358.82	15,358.82
05/01/2033	116,816.62	2.145%	15,358.82	132,175.44
11/01/2033		2.145%	14,105.96	14,105.96
05/01/2034	119,322.34	2.145%	14,105.96	133,428.30
11/01/2034		2.145%	12,826.23	12,826.23
05/01/2035	121,881.80	2.145%	12,826.23	134,708.03
11/01/2035		2.145%	11,519.05	11,519.05
05/01/2036	124,496.17	2.145%	11,519.05	136,015.22
11/01/2036		2.145%	10,183.83	10,183.83
05/01/2037	127,166.61	2.145%	10,183.83	137,350.44
11/01/2037		2.145%	8,819.96	8,819.96
05/01/2038	129,894.33	2.145%	8,819.96	138,714.29
11/01/2038		2.145%	7,426.85	7,426.85
05/01/2039	132,680.57	2.145%	7,426.85	140,107.42
11/01/2039		2.145%	6,003.85	6,003.85
05/01/2040	135,526.56	2.145%	6,003.85	141,530.41
11/01/2040		2.145%	4,550.33	4,550.33
05/01/2041	138,433.62	2.145%	4,550.33	142,983.95
11/01/2041		2.145%	3,065.62	3,065.62
05/01/2042	141,403.02	2.145%	3,065.62	144,468.64
11/01/2042		2.145%	1,549.08	1,549.08
05/01/2043	144,436.11	2.145%	1,549.08	145,985.19
Totals:	2,282,472.90		496,035.33	2,778,508.23

Payment History Report

Village of Kronenwetter

Transactions as of 1/27/2025

Project: 5533-04

<u>Payment Date</u>	<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Total Payment</u>
05/01/2024	\$0.00	\$7,416.63	\$7,416.63
11/01/2024	\$0.00	\$18,989.59	\$18,989.59
Totals:	\$0.00	\$26,406.22	\$26,406.22

Disbursement History Report

Village of Kronenwetter

Transactions as of 1/27/2025

Project: 5533-04

<u>Disburse Date</u>	<u>Portfolio</u>	<u>Type</u>	<u>Disbursements</u>
01/24/2024	Drinking Water	Loan	\$223,100.00
02/14/2024	Drinking Water	Loan	\$1,335,510.29
08/14/2024	Drinking Water	Loan	\$495,540.45
11/13/2024	Drinking Water	Loan	\$228,322.16

Loan Totals: \$2,282,472.90

Disbursement Totals: \$2,282,472.90

Loan Account History Report

Village of Kronenwetter

Transactions as of 1/27/2025

Project	FinalMaturity	CloseOut	Max. Loan Amount	Interest Rate
5533-04	05/01/2043	//	\$3,385,500.00	2.145%

<u>Transaction Date</u>	<u>Transaction Type</u>	<u>Disbursement Amount</u>	<u>Principal Repaid</u>	<u>Principal Balance</u>
01/24/2024	Disbursement	\$223,100.00	\$0.00	\$223,100.00
02/14/2024	Disbursement	\$1,335,510.29	\$0.00	\$1,558,610.29
08/14/2024	Disbursement	\$495,540.45	\$0.00	\$2,054,150.74
11/13/2024	Disbursement	\$228,322.16	\$0.00	\$2,282,472.90
Totals:		\$2,282,472.90	\$0.00	\$2,282,472.90



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AUTHORIZATION FOR ADDITIONAL SERVICES

This document is a supplement to the original Agreement between Becher-Hoppe Associates, Inc. and the Client listed below.

Client Name: Village of Kronenwetter
Client Address: 1582 Kronenwetter Drive, Kronenwetter, WI 54455
Project Name: Well #2 Water Treatment Facility
Project Number: 2021.022
Original Agreement Date: May 4, 2021

Description of Additional Services/Deductions:

In preparing the contract for Resident Project Representative and Field Grade staking services, we used the standard of professional practice ordinarily exercised under similar circumstances at the same time and in the locality where the Services are performed. Professional Services are not subject to, and we do not provide any warranty or guarantee, expressed or implied. We do not direct or supervise the means, methods, techniques, sequences, or procedures of construction selected or used by Owner’s contractors. Every contractor or subcontractor has different assets in men and equipment to complete a construction task. Consequently, the amount of time to complete the task will differ for each contractor and subcontractor. Additionally, availability of materials at the time needed will impact the completion time for contractors and subcontractors. At times, weather may impact the rate of completion of a task. We prepared our estimate of Resident Project Representative and Field Grade staking services based on construction of similar projects which featured some of the same work activities as this project. Our opinion of the probable cost was \$20,000 to \$22,000. An additional amendment to continue providing Resident Project Representative and Field Grade staking services based on the Contractor provided start up schedule in November of 2024 was for \$8,000 totaling \$30,000.

Resident Project Representative and Field Grade staking services were provided throughout the startup and commissioning of the filters. At the request of Village staff, we continued these services until the startup and commissioning was completed. Tasks completed during this time included on site oversight of the startup, project punch list creation and management, and quality tests of the effluent water to ensure the Contractors met the Contract required effluent qualities. As a result of these extended services, we are seeking compensation for the time and expenses incurred, billed at hourly rates, in the amount of \$10,000. This brings the total fees for Resident Project Representative and Field Grade staking services to \$40,000.

Basis and Amount of Additional Compensation:

- | | | |
|-------------------------------------|--|----------|
| <input checked="" type="checkbox"/> | Estimated Time and Expenses Per Hourly Rates | \$10,000 |
| <input type="checkbox"/> | Lump Sum, Expenses Included | \$ |
| <input type="checkbox"/> | Fixed Fee Plus Expenses | \$ |
| <input type="checkbox"/> | Other: | \$ |

Additional Services as listed above will proceed upon return of a fully executed authorization.



Vice President

2/7/2025

Becher-Hoppe Associates, Inc. Signature

Title

Date

Client Approval Signature

Title

Date

Return to: Becher-Hoppe Associates, Inc.
330 N. 4th Street
Wausau, Wisconsin 54403-5417

Phone: 715-845-8000



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January 31, 2025
Project No: 2021.022.00
Invoice No: 24169

Village of Kronenwetter
1582 Kronenwetter Drive
Mosinee, WI 54455

Project: Phase 1 - Water Metering Station and Phase 2 - Water Treatment Plant
Email invoices to ap@kronenwetter.org

Professional Services from December 28, 2024 to February 05, 2025

Phase 003 Watering Metering Station (l/s)

Original agreement dated 5-4-21 \$22,100
Inclusion of re-disinfection per agreement dated 8-6-21 \$1,500

Fee

Total Fee	23,600.00			
Percent Complete	100.00	Total Earned	23,600.00	
		Previous Fee Billing	23,600.00	
		Current Fee Billing	0.00	
		Total Fee		0.00
		Total this Phase		0.00

Phase 005 Water Treatment Plant (l/s)

Fee

Total Fee	228,100.00			
Percent Complete	97.808	Total Earned	223,100.00	
		Previous Fee Billing	223,100.00	
		Current Fee Billing	0.00	
		Total Fee		0.00
		Total this Phase		0.00

Phase 034 Construction Administration (l/s)

Fee

Total Fee	55,500.00			
Percent Complete	100.00	Total Earned	55,500.00	
		Previous Fee Billing	52,725.00	
		Current Fee Billing	2,775.00	
		Total Fee		2,775.00
		Total this Phase		\$2,775.00

Phase 036 Construction Services On-Site (t/m)

TERMS - Payment is due upon receipt. Amounts unpaid after 30 days will bear interest of 1.5% per month (18% annually) until paid.
REMIT TO: Becher-Hoppe Associates, Inc. 330 N 4th St, Wausau, WI 54403-5417
To Make ACH Payments | Routing Number: 075911616 | Account Number: 910590265 | accountspayable@becherhoppe.com

	Hours	Rate	Amount	
Project Engineer II	77.60	175.00	13,580.00	
Totals	77.60		13,580.00	
Total Labor				13,580.00
Reimbursable Expenses				
Field Equipment Supplies			32.71	
Total Reimbursables			32.71	32.71
		Total this Phase		\$13,612.71
		Total this Invoice		\$16,387.71

Billings to Date

	Current	Prior	Total
Lump Sum Fee	2,775.00	299,425.00	302,200.00
T&M Labor	13,580.00	24,815.00	38,395.00
T&M Expense	32.71	774.61	807.32
T&M Unit	0.00	74.48	74.48
Totals	16,387.71	325,089.09	341,476.80

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 Lump Sum:
 Contract amount per agreement dated 5-4-21 \$250,200
 Inclusion of re-disinfection per agreement dated 8-6-21 \$1,500
 Construction Administration Services per agreement dated 5-31-23 \$52,000
 Design of overhead door pr agreement dated 1-18-24 \$3,500
 Total Lump Sum Amount \$307,200

 Time & Materials Estimate:
 Resident Project Representative and Filed Grade Staking estimated per agreement dated 5-31-23 \$22,000
 Resident Project Representative and Filed Grade Staking additional services per agreement dated 12-13-24 \$8,000

 Total Estimated Contract \$337,200

Phase 036 Construction Services On-Site (t/m)

Professional Personnel

			Hours	Rate	Amount
Project Engineer II					
00196	Kafczynski, Joe	2/4/2025	4.80	175.00	840.00
	On site RPR for Kurita programming of backwash sequence using system water.				
00196	Kafczynski, Joe	2/5/2025	2.80	175.00	490.00
	On site RPR for Kurita programming of backwash sequence using system water.				
00196	Kafczynski, Joseph	12/30/2024	1.00	175.00	175.00
	On site RPR for filling of process piping for Bac - T sampling.				
00196	Kafczynski, Joseph	1/2/2025	2.50	175.00	437.50
	On site RPR for filling of process piping for Bac - T sampling. Bac-T samples.				
00196	Kafczynski, Joseph	1/3/2025	2.30	175.00	402.50
	On site RPR for filling of process piping for Bac - T sampling. Bac-T samples. Generator load bank testing.				
00196	Kafczynski, Joseph	1/6/2025	.80	175.00	140.00
	Upload project photos from on site RPR.				
00196	Kafczynski, Joseph	1/7/2025	5.30	175.00	927.50
	On site RPR for start up. Kurita on site backwashing and running through checks, SCADA work on site, start project punch list.				
00196	Kafczynski, Joseph	1/8/2025	2.80	175.00	490.00
	On site RPR for start up. Kurita on site backwashing and running through checks, SCADA work on site, start project punch list.				
00196	Kafczynski, Joseph	1/9/2025	3.50	175.00	612.50
	On site RPR for start up. Kurita on site backwashing and running through checks, start project punch list. Weekly meeting on site.				
00196	Kafczynski, Joseph	1/10/2025	3.00	175.00	525.00
	On site RPR for start up, installation of anthracite media, regeneration of greensand media. Punch list				
00196	Kafczynski, Joseph	1/13/2025	5.80	175.00	1,015.00
	On site RPR for start up of filters, blower installation, DNR walk through of facility.				
00196	Kafczynski, Joseph	1/14/2025	9.00	175.00	1,575.00
	On site RPR for facility start up, training, mix of chemicals, backwash sequences of filters.				
00196	Kafczynski, Joseph	1/15/2025	8.30	175.00	1,452.50
	On site RPR for facility start up, training, mix of chemicals, backwash sequences of filters. Start effluent testing of water quality.				
00196	Kafczynski, Joseph	1/16/2025	7.50	175.00	1,312.50
	On site RPR for facility start up, training, mix of chemicals, backwash sequences of filters. Start effluent testing of water quality				
00196	Kafczynski, Joseph	1/17/2025	6.00	175.00	1,050.00
	On site RPR for facility start up, training, mix of chemicals, backwash sequences of filters. Start effluent testing of water quality				
00196	Kafczynski, Joseph	1/22/2025	5.30	175.00	927.50
	On site RPR for start up of the facility, testing for effluent quality. coordination with Contractors.				
00196	Kafczynski, Joseph	1/23/2025	1.80	175.00	315.00
	Kron on site for testing treatment effluent for water quality.				

TERMS - Payment is due upon receipt. Amounts unpaid after 30 days will bear interest of 1.5% per month (18% annually) until paid.
 REMIT TO: Becher-Hoppe Associates, Inc. 330 N 4th St, Wausau, WI 54403-5417
 To Make ACH Payments | Routing Number: 075911616 | Account Number: 910590265 | accountspayable@becherhoppe.com

Project	2021.022.00	Kronenwetter - Meter Station-DWTF			Invoice	04488
00196	Kafczynski, Joseph	1/24/2025	2.30	175.00	402.50	Section 5, ItemF.
	On site RPR for training staff on Manganese, Iron, and chlorine testing using DR 900.					
00196	Kafczynski, Joseph	1/27/2025	.80	175.00	140.00	
	Construction punch list, upload items to Procore					
00196	Kafczynski, Joseph	1/28/2025	2.00	175.00	350.00	
	On site testing of effluent water quality.					
	Totals		77.60		13,580.00	
	Total Labor					13,580.00
Reimbursable Expenses						
Field Equipment Supplies						
AP 69176	1/7/2025	Capital One Bank / Hach. DPD Chlorine RGT			32.71	
	Total Reimbursables				32.71	32.71
				Total this Phase		\$13,612.71
				Total this Project		\$13,612.71
				Total this Report		\$13,612.71



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Project Village of Koenewetter

Section 5, Item F.

Job No. 2021.022

Date: 12/18/24

By: VRK Page 1 of 1

24°F cloudy with small snow flurries.

8:00AM I Joe Kafczynski on site. Rhode Brothers on site continuing misc. process installation work. Econ Electric on site continuing electrical installation. Grote Painting on site continuing process pipe coating.

Rhode Brothers sub contractor, All American is planning to be on site today + tomorrow to start installing media into pressure vessels. I vent the vessel with Nate Foreman. There is a rag and ~~small amounts~~ in the Far East chamber as well as debris in the chambers that will have to be removed before media installation. He concurred (Dan).

Rhode Brothers —	1- Foreman
Fron	2- Electricians
Grote + Sons	2- Painters

9:00AM I Joe Kafczynski off site.

10:20 AM I Joe Kafczynski on site. All American is on site installing media (gravel) layers into the vessels compartments/chambers. A representative from William Ried is on site supervising installation of media.

All American	- 3 media installers
William Ried	- 1 supervisor

2:02 PM I Joe Kafczynski off site.



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Project Village of Kronenwetten

Section 5, Item F.

Job No. 2021.022

Date: 12/30/24 By: JRK Page 1 of 1

26°F Partly Cloudy to Foggy. High 38°F.

7:48 AM I Joe Kabczynski on site. Rhode Brothers on site with Plans to Chlorinate process piping + Ventical Tanks to let it "cook" for safe sampling. Ecor Electric on site continuing misc. Electrical work.

Rhode Brothers - 1-Foreman
1-Laborer

Ecor - 2-Electrians.

8:30 AM I Joe Kabczynski off site.



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Project Village of Kronenwetter
Job No. 2021.022
Date: 1/2/25 By: JRK Page 1 of 1

Section 5, Item F.

19°F Cloudy with few snow showers/flurries

1:30pm I Joe Kafczynski on site. Rhode Brothers on site Flushing
Process lines/piping with Plans to take Bac-T samples.

Rhode Brothers - 1 Foreman
- 1 Laborer

1:53 PM Dan (Rhode) took Bac-T sample from influent Piping

2:02 PM Dan (Rhode) took Bac-T samples from Effluent Piping.

Rhode Plans to take samples for the effluent/Influent
Piping again tomorrow around the same time.

2:45 PM I Joe Kafczynski off site. Rhode off site.



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Project Village of Keweenaw

Section 5, Item F.

Job No. 2021.022

Date: 11/3/2025 By: JRK Page 1 of 1

140F Partly Cloudy. High 18°F

1:00 PM I Joe Kafczynski on site. Rhode on site working on misc. process piping + Plans to take Bac-T samples. Econ Electric on site for Load Bank testing of the generator. Grote + Sons painting on site painting the Horizontal vessel.

Note: Ben Everswick (BHA) also on site as well as Cummins Sales + Service

Rhode Brothers - 1- Foreman

Econ - 2- Electricians

Grote - 2- Painters

Cummins - 1- service tech for Load Bank testing

1:32 PM Dan (Rhode) took Bac-T sample from Effluent Piping

1:50 PM Dan (Rhode) took Bac-T sample from Influent Piping
These are the second samples. the first samples were safe according to Dan and Results will be sent out.

2:04 PM Cummins wrapping up Load Bank test. I Joe Kafczynski + Ben (BHA) off site.



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Section 5, Item F.

Project Village of Kronenwetter

Job No. 2021022

Date: 1/7/2025 By: JRK Page of

50°F Partly Cloudy. High 24°F

7:49 Am I Joe Kafczynski on site. Rhode on site with plans to prepare for Greensand backwash + regeneration. Eron on site with plans to ensure panel wiring for Kurita's panel is wired correctly and continuing misc. electrical work. PJ Korbens on site working on programming SCADA. Kurita on site going through checking valves + programming for the filtering.

Rhode - 1- Foreman

Eron 1- Foreman
1- Electrician

Kurita 1- Startup Tech

PJ Korbens 1- Tech.

9:38 Am I Joe Kafczynski off site.

2:45 pm I Joe Kafczynski on site. All contractors listed above on site. Kurita is preparing to backwash the green sand. Note: Mike (Kurita) said that the swing check valve on the filter effluent line is not needed + will hinder the backwash process by not allowing the needed backwash water of 300 GPM vs. the well 700 GPM as system water is needed. Dan (Rhode) removed the flap from the valve. Note that these valves were shown on the Plan P&ID's as well as Kurita's O&M/shop drawings. I did contact Susan (Donohue) about their P&ID. she did not think this check valve was needed.

3:15 pm Mike (Kurita) performed a backwash sequence of the filter cells. When backwashing cell 3 (East cell) the west cell (cell 1) valves were left open + water blew out the Air-release valve. I raised concerns about media loss with Dan (Rhode) + Mike. They said they would open the cell + investigate the green sand level.

5:00 pm I Joe Kafczynski off site.



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Section 5, Item F.

Project Village of Kronenwetter Well No. 2

Job No. 2021.022

Date: 1/8/2025 By: JKK Page of

10°F. mostly cloudy, High 27°F

7:45 AM I Joe Kafczynski on site. Rhode on site working on misc. process work and Filter. Econ on site doing electrical checks of Equipment. Kurita on site working on Filter operation. PJ Konters on site programming SCADA.

Rhode 1 - Foreman

Econ

Kurita 1 - Startup tech.

PJ Konters 1 - Tech.

8:45 AM I Joe Kafczynski off site.



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Section 5, Item F.

Project Village of Kronenwetter well no. 2

Job No. 2021.022

Date: 1/9/2025

By: JRK Page of

9

5°F Clear: High 19°F

7:55 AM I Joe Kafczynski onsite. Rhade on site with plans to get the chemical feed pumps running, skin Greensand, + Place Anthracite in the Filters. Econ on site for misc. electrical work. Kurita on site for filter start up/filling. William Ried on site for chemical feed pump start up.

Rhade - 1- Foreman

Econ 1- Foreman

Kurita 1- start up Tech

William Ried 1- start up Tech

9:15 AM William Ried trained Village staff on chem feed pumps + weight scales

9:30 AM All American water solutions on site to install Anthracite in the Horizontal Filters.

10:30 AM Econ + William Ried off site.

10:55 AM All American started installing Anthracite layer of media in Filters. They did check the East Filter Cell and did not report any loss of Greensand and stated that that cell had a little more in it than the others.

10:45 AM Econ back on site.

11:25 AM I Joe Kafczynski off site.



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Section 5, Item F.

Project Village of Kroeon Watten Well

Job No. 2021.022

Date: 1/13/2025 By: JRK Page of

00F Partly Cloudy. High 1°F.

9:00AM I Joe Kafczynski on site. No one on site yet.

9:15AM I Joe Kafczynski off site.

10:45AM I Joe Kafczynski on site. Rhode on site with plans to continue start up & install Blower.

11:00AM Brian Pietz (DNR) on site for walkthrough Approval inspection, Ecom on site.

Brian (DNR) noticed the chemical feed pumps were not what were listed on the original Facility Approval from DNR (GPD capacity). He said he would list that on the letter he sends out. I let him know we would also look into it.

11:50AM Brian (DNR) off site. In reviewing chem feed pumps, it was noticed the Hypo Pump & Perm pump were not to the correct storage tanks. (Pumps have different gasket materials). Adam Dan (Rhode) will switch the pumps.

Note: Anthracite was installed into the vessels last Thursday and chlorine for regeneration was added to each cell and allowed to "cook" over the weekend.

12:10PM Kunita on site to continue start up and review Blower Installation.

Note: Blower was installed. However, the Disconnect Panel had a couple of incorrect components that Ecom will be replacing.

Rhode - 1 Foreman
Ecom 1 Foreman
Kunita 1 Start up Tech.

2:35 PM I Joe Kafczynski off site.



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Section 5, Item F.

Project Village of Kronenwetter Wastewater
Job No. 2021.022
Date: 1/14/2025 By: JRK Page of

-9°F Clear. Clear to Partly cloudy. High 13°F

7:00 AM I Joe Kafczynski on site. Rhode on site with plans to continue startup of facility. Kunita on site for start up. MAAO systems on site to install piping.

7:58 AM I Joe Kafczynski off site.

9:55 AM I Joe Kafczynski on site. Village staff on site to mix and transfer chemicals into storage tanks.

11:45 AM Kunita, Rhode, Village staff isolated well no. 2 and began to run water through the filters.

12:30 PM Kunita running backwash with Air scum sequence. Note: Kunita programmer on site to reprogram their PLC.

3:26 PM Kunita backwashed each cell & ran through a number of I/O checks while water ran through the filter. This was after some difficulties in trying to keep flow from the well (backpressure) as the system is currently isolated from the distribution system. Kunita & Rhode turned the system off for the night & Rhode is going to prepare for pressure testing the system. I Joe Kafczynski off site.

Rhode - 1- Foreman

Kunita - 1- Startup tech
1- programmer



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Section 5, Item F.

Project Village of Kronsach Well P.O.

Job No. 2021.072

Date: 1/15/2025 By: JMK Page of

-11°F Sunny. Sunny to Cloudy. High 17°F with evening snow

7:35AM I Joe Kafczynski on site. Rhode on site with plans to Hydrostatic pressure test system piping + Tanks. Ecom on site continuing misc. Electrical. Note: The Horizontal pressure vessel is rated (ASME) to 130 PSI and the decision was made (BHA) to pressure test the system to 130 PSI (not 150 PSI) in order to not go over the 130 PSI pressure rating.

7:45AM Kunita startup tech on site with plans to start running water through the Filter system to try and get chemical dosing dialed in + meet their Design conditions. Kunita Programmer also on site. PJ Konters on site to continue programming + coordination between Kunita's panel.

8:16AM Rhode pumped piping ^{+ tanks} up to 130 PSI to start pressure test.

Rhode	1- Foreman
Ecom	1- Foreman 1- Electrician
Kunita	1- Startup tech 1- Programmer
PJ Konters	1- Programmer

9:16AM Piping and tank pressure test complete. Held at 130 PSI.

11:07AM Rhode taking BACT sample from Filter Effluent piping.

12:37PM Start of Pol. Penn. + chlorine through Filter.

4:10PM Rhode + Kunita shutting down well for the night.

4:30PM I Joe Kafczynski off site.



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Section 5, Item F.

Project Village of Kronenwetter

Startup testing

Job No. _____

Date: 1/15/2025

By: JRK Page ____ of ____

12:37pm Start feeding Pot. Perm + chlorine

Pot. Perm. Pre Filter Chem pump = 1.27 GPH

Hypo. Pre Filter Chem pump = 0.15 GPH

Hyp. Post Filter Chem pump = 35%

1:30pm Filter Effluent Sample 1

Iron = 0.09 mg/L

Mang. = 0.019 mg/L

Note: Fuse to chem feed pumps blew around 1:05pm + was not caught noticed until 1:45pm ish.

1:54pm Chem pumps back on.

3:10pm Filter Effluent Sample 2

Iron = 0.22 mg/L

Mang. = 0.024 mg/L

3:30pm Pot Perm Pre Filter Adjusted to 1.37 GPH

Hypo Pre Filter Adjusted to 0.26 GPH

3:47pm Free chlorine Sample out of Hose Bib (NE Hose Bib) = 0.76 mg/L

4:00pm Filter Effluent Sample 3

Iron = 0.18 mg/L

Mang = 0.024 mg/L

4:10pm Rhode + Kunita shutting down well for the night.



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Section 5, Item F.

Project Village of Kronschtien Wisc
Job No. 2021.022
Date: 1/16/2025 By: JRK Page of

29°F Cloudy with evening + snow. Cloudy ~~high~~ High 32°F.

7:42 AM I Joe Kafczynski on site. Rhode on site continuing startup help.
PJ Kontens on site continuing SCADA programming. Econ on site continuing electrical work.

9:30 AM Village staff on site for Filter Training

10:30 AM Rhode taking second Bac-T sample on filter effluent.

11:00 AM Econ + PJ Kontens off site

Rhode 1- Foreman
Econ 1- Electrician
1- Foreman

Kunita 1- Startup Tech
PJ Kontens 1- Scada.

12:30 PM Well shut down. Kunita (Mike) believes the results we are seeing are ~~more~~ ~~better~~ because he believes the media within the tanks are not properly stratified. He believes it is best to wait until he can properly stratify the media once the system is allowed to go online as he would have enough flow from the system to complete it.

12:40 PM I Joe Kafczynski off site.



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Section 5, Item F.

Project Village of Ironmenetten Well No. 2

Startup testing Job No. _____

Date: 1/16/2015 By: VRK Page of

8:24 AM start of water through filter = Approx. 700 GPM

Pot Perm Pre Filter chem Pump = 1.47 GPH

Hypo Pre Filter chem Pump = 0.3 GPH

Hypo Post Filter = 35%

8:54 AM Sample 1 of Filter Effluent

Iron = 0.13 mg/L
Mang. = 0.029 mg/L

Free Chlorine post Filter pre post Filter Feed = 0.05 mg/L

9:16 AM Pot Perm Pre Filter chem Pump = 1.60 GPH

there is approximately 69 gallons in storage tank
Other chem feed pumps kept at same rate.

Free chlorine Post Filter to Dis. = 0.82 mg/L - Hose 0.6

10:06 AM Sample 2 of Filter Effluent.

Iron = 0.18 mg/L
Mang. = 0.046 mg/L

Free Chlorine 0.10

11:15 AM Turned post Filter Hypo. Pump to 25%

11:20 AM Raw water sample taken pre chem feed.

Iron = 0.87 mg/L
Mang. = 0.307 mg/L

11:30 AM Sample 3 of Filter Effluent

Iron = 0.19 mg/L
Mang. = 0.052 mg/L

Free chlorine post Filter to Dis = 0.72 mg/L

12:00 PM Reduced Post Filter Hypo. Pump to 20%

12:15 PM Free chlorine Post Filter to Dis = 0.57 mg/L

12:30 PM Well shut down. Ending Perm approx. 63 gallons



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Section 5, Item F.

Project Village of Kronen wetten well no. 2

Start up testing Job No. 2021072

Date: 1/17/2025 By: JRK Page of

8:17 AM Start of water through Filter = Approx. 690 GPM

Potassium Perm PreFilter Pump = 1.27 GPM

Hypo Pre Filter Chem Pump = 0.15 GPM

Hypo Post Filter Chem Pump = 35%

Starting conditions back to Design theoretical due to polyphosphate chem feed pump being on during previous runs. It is now turned off.

8:47 AM Sample # 1

Iron = 0.04 mg/L

Mang = 0.013 mg/L

Free chlorine from Hose bib post

Treatment = 0.71 mg/L

9:19 AM Post Filter Hypo. pump turned to 25%

9:24 AM Sample # 2

Iron = 0.03 mg/L

Mang = 0.013 mg/L

Free chlorine through filter pre post feed = 0.07 mg/L

9:48 AM Post Filter Hypo Free chlorine at Hose Bib = 0.87 mg/L

9:55 AM Post Filter Hypo. Pump Turned to 20%

10:18 AM Sample # 3

Iron = 0.00 mg/L

Mang = 0.011 mg/L

Free chlorine through filter pre post feed = 0.00 mg/L

10:45 AM Post Filter Hypo Free chlorine at Hose Bib = 0.70 mg/L

1:35 PM Sample # 4

Iron = 0.03 mg/L

Mang = 0.014 mg/L

1:50 PM Post Filter Hypo Free chlorine at Hose Bib = 0.69 mg/L

Post Filter Hypo. Pump turned to 35%



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Section 5, Item F.

Project Village of Kronenwetter Well No. 2
Job No. 2021.022
Date: 1/17/25 By: JRK Page of

31°F Cloudy. Forecast: Partly to mostly cloudy. High 37°F

7:45 AM I Joe Kafczyk riski on site. Rhode on site continuing misc. Clean up and Help with Start up.

8:17 AM Well No. 2 turned on to start runs. After digging into results and the chem feeds, it is believed that the reason the results were not meeting design conditions was due to the polymer/polyphosphate chemical feed pump being on during the runs. I let Dan (Rhode) know about this yesterday around 2 PM and it was decided to run again today to see if this changes the results.

Note: Brian Pietz, DNR Phone # 715-896-1466

10:40 AM Dan (Rhode) called us. Water to check on safe Bacteria sample #2, which they indicated was safe.

10:43 AM I called Brian Pietz (w/ DNR) to see if we were OK to turn on the Valve isolating the Distribution system and Filters now that the second safe sample is back as Kunita needs to back feed to complete the total backwash sequence of the Filters. Brian said as long as we were back feeding from the system and not putting the system online it was "OK". However, we need to wait to receive full DNR approval/letter stating it was "OK" to put in service to fully put into service the vessels/filters to Distribution. He expects that letter next week when Alex (DNR) gets back.

11:10 AM Kunita ran through Backwashing sequences of All 3 Filter Cells. During Backwashing, the system repeatedly was surging which in turn turns down the pump and doesn't allow for enough Back pressure. This occurs During In service Backwashing.

1:16 PM Filter system now isolated from the Distribution system & water is running through the Hydrant Filter & Discharging through the Hydrant.

2:05 PM Well No. 2 Shut Down.



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Section 5, Item F.

Project Village of Kronenwetter well no. 2
Startup testing cont. Job No. 2021.022
Date: 1/17/2025 By: JRK Page of

2:05 PM Sample #5

Iron = 0.03 mg/L

Mang = 0.016 mg/L

Free chlorine From Hose Bib post
treatment = 0.75 mg/L



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Section 5, Item F.

Project Village of Koenewetter Well No. 2

Startup Job No. 2021.022

Date: 1/22/2025 By: JRK Page of

70°F Cloudy. Forecast: Cloudy chance of snow High 23°F.

7:40 Am I Joe Kaczynski on site. Rhode on site to help with start up to Distribution system. Elen on site performing electrical inspection with state inspector (John Sibberg).

8:40 Am Well No. 2 started up to run through filter and out to distribution. With plans to check to see if flows can be dialed in without manipulating valving. During startup, the effluent valve needed to be manipulated/closed in order to prevent the pump from cavitating. The pump will be shut off at 9:00 Am as the tower is full but the pump will be kept in auto.

9:20 Am I Joe Kaczynski off site. Elen off site.

10:53 Am I Joe Kaczynski on site. Dave A. (DNR) on site for walkthrough. Village staff Gregg U. + Mark M. on site. Rhode still on site.

11:10 Am Dave A. (DNR) off site. Well No. 2 ~~is~~ in auto and did turn on based on water tower levels.



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Section 5, Item F.

Project Village of Kronenwetten
Start up testing Job No. 2021.022
Date: 1/22/2025 By: JRK Page of

11:10AM Start of water through Filter Approx. = 650 GPM

Pot Perm Prefilter chem pump = 1.27 GPH
Hyp Prefilter chem pump = 0.15 GPH
Hypo Post Filter chem pump = 35%

11:45AM Sample #1

Iron = 0.04 mg/L
Mang = 0.009 mg/L

Free chlorine Thruog Filter = 0.00 mg/L
Free chlorine from Hose Bib = 1.08 mg/L

12:00PM Hypo Post Filter chem pump turned Down to 30%

12:15PM Sample #2

Iron = 0.00 mg/L
Mang = 0.015 mg/L

Free chlorine From Hose Bib = 0.76 mg/L

12:30PM Well No. 2 Turned off based on water levels in Tower.



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Section 5, Item F.

Project Village of Kronenwetter
startup testing Job No. 2021.022
Date: 1/23/25 By: JRK Page of

2:55pm Sample #1 Filter Effluent. Well No. 2 Turned on around 2:26pm

Iron = 0.02 mg/L
Mang = 0.001 mg/L

Free Chlorine Hosiob: 0.89 mg/L

Settings of chem feed pumps set at same as end of day yesterday.

3:00pm Sample #2 Filter Effluent

Iron = 0.00 mg/L
Mang = 0.000 mg/L

3:43 pm Well No. 2 shut down.

Tuesday.

9:05 Partly cloudy to cloudy

apr

9:54 AM I Joe Kafczynski on site. Rhode (Dan) on site with plans to work on punch list items & filter backwash sequences with Kunita.

10:35 AM Kunita on site to prepare for & reprogram the backwash sequence of the filters to use system (Distribution) water.

1:30 PM Kunita tried to run a back wash using the well one last time with lower supply rates (around 630 GPM) before making program changes to use system water. During the high rate portion of the backwash, the well pump cavitated again. Note: Flow rates being adjusted using Effluent gate valve in the same position to run 630 GPM through filters.

After this run, Brent "Sonny" Johnson (Kunita) suggested that it would be best to use system water for backwashing versus well supplied water. During testing using system water, Kunita adjusted rate set valves to get a maximum of around 650 GPM for High rate Flows and believed this would be fine for a good filter back wash.

4:00 PM Kunita & Rhode offsite. They will be back on site to finish programming tomorrow and to run the back wash sequences.

Rhode - 1- Foreman
Kunita - 1- Start-up Tech

Wednesday

11:28 Am I Joe Kafczynski on site Rhode on site Continuing Help with Filter Backwash sequences + Kurita on site.

11:35 Am Kurita performing backwash sequence on Filters after finishing Panel programming updates + rate set valve adjustments to use system water and have the well turn on for 5 minutes for the Filter to Waste sequence. During the High rate wash sequence the vessels were receiving around 750 GPM (Design 791 GPM). This was after the effluent valve was cracked open so the well pumps around 700 GPM through the filters out to the system.

All 3 Filter Cells were back washed and the pump turned on during the Filter to waste step. No problems were observed during the process. Mark Mackey (Village) will monitor the well draw down to ensure the aquifer is not being over drawn at the 700 GPM rate as the well seems to best perform at around 650 GPM. This can be adjusted using the effluent valve out to distribution.

1:18 Pm I Joe Kafczynski + Rhode off site.

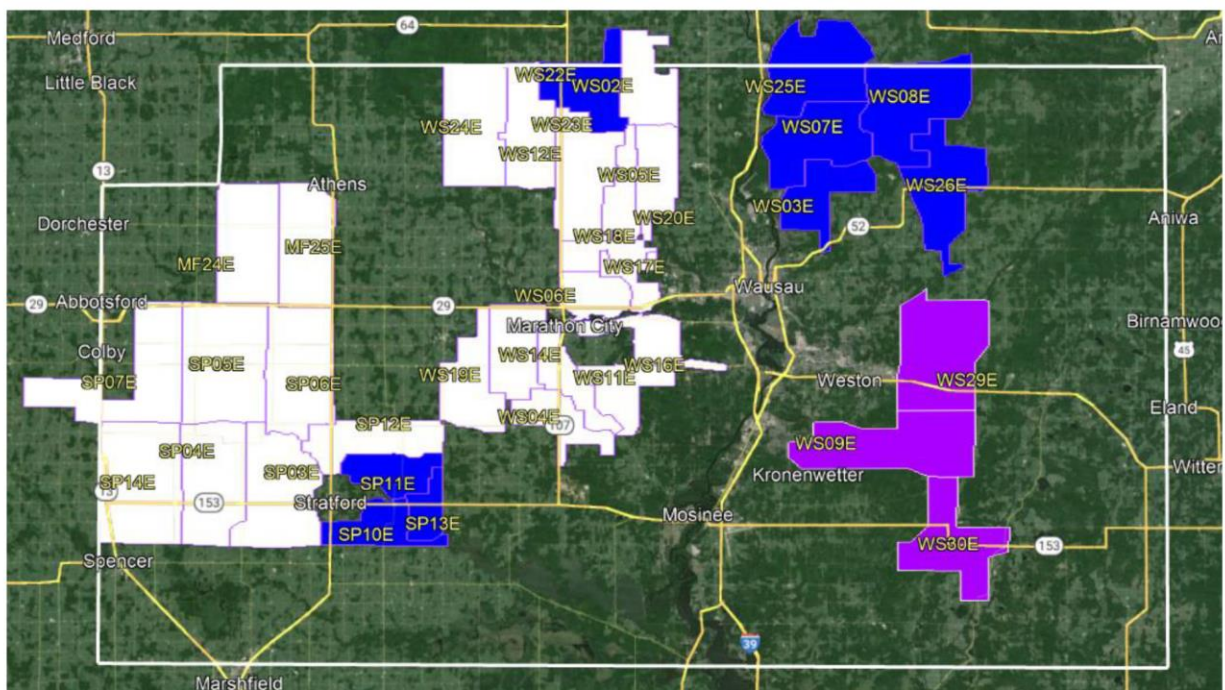
Rhode - 1- Foreman
Kurita - 1- Startup tech.

Maps of Expansion Efforts

Over the past few years, Marathon County has collaborated with Internet Service Providers to secure grant funding to expand broadband access. If you have any questions on either of these projects, please contact the Internet Service Provider directly.

Charter Communications / Spectrum

- Completed – White
- 2024 – Blue
- 2025 – Purple



Village of Kronenwetter				Contract #1 - Lift Station #2 and Liftstation #6 Upgrades			
Lift Station #2 and Lift Station #6 Upgrades				Bid Deadline: Friday, December 13, 2024 at 10:00 a.m.			
Item #	Bid Item Description	# of Units	Units	Bidder #1		Bidder #2	
				Pember Companies, Inc.		August Winters & Sons, Inc	
				Unit Price	Total	Unit Price	Total
1.1	Performance and Payment Bonds	1	LS	Lump Sum	\$4,000.00	Lump Sum	\$6,500.00
1.2	LS6. Material and Labor to replace 4” piping and valves in existing LS6 valve vault in accordance with plans/specifications & AWWA requirements, including temporary provisions to continue LS6 operation, reuse of existing stainless steel bolts. (2) Swing Check Valves, (2) Plug Valves, Bends, Fittings, Adjustable SS Pipe Cradle with SS Standpipe 2”, Bypass Extension Piping & Stainless Steel Camlock Termini (Male) with New Stainless Steel Pipe Attachments and Anchorments	1	LS	Lump Sum	\$51,000.00	Lump Sum	\$73,300.00
1.3	LS6. Material and Labor to clean and inspect Valve Vault Floor Drain	1	LS	Lump Sum	\$1,700.00	Lump Sum	\$2,500.00
1.4	LS6. Allowance for repairs to Valve Vault Floor Drain pending inspection	Allowance	LS	Allowance	\$1,000.00	Allowance	\$1,000.00
1.5	LS6. Labor to core sidewall from Valve Vault to WetWell, for sealed Bypass 4” pipe extension to Wetwell	1	LS	Lump Sum	\$7,000.00	Lump Sum	\$2,500.00
1.6	LS6. Material and Labor to replace existing exterior control panel system and instrumentation on existing LS6 in accordance with plans/specifications and NEC requirements, including VFD phase conversion system, including junction boxes, seals, and vents	1	LS	Lump Sum	\$129,000.00	Lump Sum	\$155,000.00
1.7	LS6. Material and Labor to replace 15 hp Shinmaywa pumps, pump motor cables, level sensor and cables, alarm floats and cables, within existing conduits to new panels, including replacement of existing guide rail caps	1	LS	Lump Sum	\$55,000.00	Lump Sum	\$88,000.00
1.8	LS6. Material and Labor for Complete Install of Light Fixture, Pole, Base, Sonotube, Breaker and Switch at New Panel	1	LS	Lump Sum	\$2,100.00	Lump Sum	\$7,000.00
1.9	LS6. Materials and Labor for Complete Install of Sonotube Base and Bracket for Fall Protection Tie-off	1	LS	Lump Sum	\$2,800.00	Lump Sum	\$3,500.00
1.10	LS6. Materials and Labor for Complete Retrofit of Fall Protection Leaf Grate for Wet Well Opening and Valve Vault Opening	1	LS	Lump Sum	\$2,750.00	Lump Sum	\$4,000.00
1.11	LS6. Start-up and Testing	1	LS	Lump Sum	\$2,850.00	Lump Sum	\$2,500.00
2.1	LS2. Material and Labor to clean and inspect Valve Vault Floor Drain	1	LS	Lump Sum	\$1,700.00	Lump Sum	\$2,500.00
2.2	LS2. Allowance for repairs to Valve Vault Floor Drain pending inspection	Allowance	LS	Allowance	\$1,000.00	Allowance	\$1,000.00
2.3	LS2. Material and Labor for Generator and Transformer Concrete Pads to suit generator/transformer size/configuration, Including Necessary Penetrating Conduits, Base, Compaction, and Coordination for Anchorments	1	LS	Lump Sum	\$9,000.00	Lump Sum	\$5,000.00
2.4	LS2. Generator, 80 KVA minimum	1	LS	Lump Sum	\$66,385.00	Lump Sum	\$72,000.00
2.5	LS2. Materials and Labor for Automatic Transfer Switch installation rated for generator system and exterior enclosure, including mounting, conduits & controls	1	LS	Lump Sum	\$7,400.00	Lump Sum	\$9,000.00
2.6	LS2. Material and Labor to replace existing exterior control panel system and instrumentation on existing LS6 in accordance with plans/specifications and NEC requirements, including disconnect, VFD motor starter system, junction boxes, seals, and vents	1	LS	Lump Sum	\$131,500.00	Lump Sum	\$140,000.00
2.7	LS2. Material and Labor to replace existing guide rail caps	1	LS	Lump Sum	\$7,750.00	Lump Sum	\$4,000.00
2.8	LS2. Material and Labor for Complete Install of Light Fixture, Pole, Base, Sonotube, Breaker and Switch at New Panel	1	LS	Lump Sum	\$2,100.00	Lump Sum	\$7,000.00
2.9	LS2. Materials and Labor for Complete Install of Sonotube Base and Bracket for Fall Protection Tie-off	1	LS	Lump Sum	\$2,850.00	Lump Sum	\$3,500.00
2.10	LS2. Materials and Labor for Complete Retrofit of Fall Protection Leaf Grate for Wet Well Opening and Valve Vault Opening	1	LS	Lump Sum	\$6,800.00	Lump Sum	\$4,000.00
2.11	LS2. Start-up and Testing	1	LS	Lump Sum	\$2,850.00	Lump Sum	\$2,500.00
	Total Base Bid Contract #1				\$498,535.00		\$596,300.00
A1	Addendum Number #1, December 10, 2024						
	LS6 - 316 Stainless Steel Piping in Value Vault, AWWA 312, ANSI B36			ADDITIONAL	\$25,000.00	DEDUCT	-\$7,000.00
	Total Contract #1 if Alternate A1 is Utilized				\$523,535.00		\$589,300.00



Engineering | Consulting | Design | Facilitation

VILLAGE OF KRONENWETTER
SEWER UTILITY - FUND #650
CAPITAL IMPROVEMENT LISTING
YEARS 2024 THROUGH 2033

Project	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Notes:
Sewer Lift Station Rebuild Program	50,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	11 Lift stations
Lift Station Updates	100,000	100,000	100,000	200,000	200,000	200,000					interceptors
Sewer Interceptor Capacity Review & Design			140,000								Study and design (no construction) - Rothschild Interceptor
Vac Truck				180,000		180,000					500,000 to 600,000 est. cost - 60% is sewer portion (20% water & 20% PW)
New Storage Building/Garage (heated)	150,000										1 per year total of 3
Generators	150,000	150,000	150,000								
Pickup truck	40,000										
GIS System	50,000										
Holst Truck		97,500									Apx. 130,000 (Sewer 75 % and Water 25%)
Total	\$ 540,000	\$ 407,500	\$ 630,000	\$ 440,000	\$ 260,000	\$ 260,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	
LGP Sewer Replacement - 12/31/2023:	\$ 601,278										
Funds on Hand 01/01 Each Year	\$ 601,278	\$ 341,278	\$ 213,778	\$ (136,222)	\$ (296,222)	\$ (276,222)	\$ (256,222)	\$ (36,222)	\$ 183,778	\$ 403,778	
Add: Annual Deposits	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	
Carry Over - 2023											
Less: Projects	\$ (540,000)	\$ (407,500)	\$ (630,000)	\$ (440,000)	\$ (260,000)	\$ (260,000)	\$ (60,000)	\$ (60,000)	\$ (60,000)	\$ (60,000)	
Total	\$ 341,278	\$ 213,778	\$ (136,222)	\$ (296,222)	\$ (276,222)	\$ (256,222)	\$ (36,222)	\$ 183,778	\$ 403,778	\$ 623,778	
Monthly Contribution:	\$ 23,333	\$ 23,333	\$ 23,333	\$ 23,333	\$ 23,333	\$ 23,333	\$ 23,333	\$ 23,333	\$ 23,333	\$ 23,333	

COMMITTEE REPORT LS2 & LS6 UPGRADE PROJECT PROJECT BIDDING ANALYSIS

To: Village of Kronenwetter
Greg Ulman, DPW & Utility Committee

From: Robert J. Roth, PE
Project Engineer

Re: Review of Bids

Date: February 10, 2025

BID SUMMARY

The Village of Kronenwetter's LS2 and LS6 upgrade project was bid on December 13, 2024. The Village received two (2) bids as follows:

Lift Station #2 & Lift Station #6 Combined	
\$498,535.00	Pember Companies, Inc.
\$596,300.00	August Winter & Sons, Inc.

GENERAL SCOPE

The general scope of work for each station is as follows:

Lift Station #2 (LS2): New Generator, Automatic Transfer Switch, Transformer, 3-Phase Power Service, VFD, Panel, Controls, Area Light, and Appurtenances Including Safety Features

Lift Station #6 (LS6): New Panel Replacement, VFD for Phase Conversion, Panel, Controls, Valve Replacements, Addition of Bypass Pumping 4" with Quick Connect, Replacement Pumps, Floats/Cables, Area Light and Appurtenances Including Safety Features

BUDGET

LS#6	\$100,000
LS#2	\$150,000

The budget was based on a quote the Village received by B&M who frequently services the Village's lift stations. The Village provided us a LS6 quote for \$60,762 by B&M as of May 2024.

I believe the original quote for LS2 was generated in 2023 (I do not have a copy of that), but was updated in 2024 at my request to confirm 3-phase power options/costs for LS2.

In review and engineering of the project, additional decisions were made and added to the project when putting the entire package to be bid. These items were not reflected in the budget amounts.

ANALYSIS OF BIDS

Work that was not included in the estimate, but is included in the representative low bid, is listed as follows:

LS6	1.1	Performance & Payment Bonds	\$4,000	
	1.3	Floor Drain	\$1,700	
	1.4	Floor Drain Allowance	\$1,000	
	1.5	Add Sealed 4" Bypass	\$7,000	
	1.8	Area Light	\$2,100	
	1.9	Safety Feature New Tie-off	\$2,800	
	1.10	Safety Feature Gate Retrofit	\$2,750	
LS2	2.1	Floor Drain	\$1,700	
	2.2	Floor Drain Allowance	\$1,000	
	2.7	Guide Rail Caps	\$7,750	
	2.8	Area Light	\$2,100	
	2.9	Safety Feature New Tie-off	\$6,800	
	2.10	Safety Feature Retrofit	\$2,850	
		Total	\$43,550	

Items that were generally included in the budget are as follows:

LS6	1.6	Exterior Controls Panel & J-Boxes	\$129,000	
	1.7	Shinmaywa Pumps	\$55,000	
		Total	\$184,000	(3x Estimate)
LS2	2.4	Generator	\$66,385	
	2.5	ATS	\$7,400	
	2.6	Exterior Control Panel & J-Boxes	\$131,500	
		Total	\$205,285	(2x Estimate)

The work was setup under a capital cost bidding/contracting format so the entire scope of work would be included under the contract and to avoid piecemeal segregation of work scope items. This meant that B&M was not able to perform general contracting services to cover the broader scope of the bid, so they could not hold those numbers in this format. Also, it required the use of an electrician where a general contractor is utilized. This generally added labor, and overhead/profit (OH&P) that were not part of the quote/estimate.

In interviewing B&M on this topic, our conversations point to the following key differences:

- General contracting capital cost format versus repair quote (OH&P)
- Use of formal electrician versus B&M labor
- Higher cost of VFD's and panel equipment seen in the industry (and rising)
- Enhancements pursuant to specifications and standards

B&M also reported that there are numerous concerns in the industry as to the impact on likely tariffs, directly affecting materials and equipment prices.

I will be available at the meeting for further discussion and recommendation in concert with the financial guidance provided by Ehlers and the Utility Committee.

Sincerely,

ROTH PROFESSIONAL SOLUTIONS



Robert J. Roth, PE
Project Engineer



Project Status Report Drinking Water Treatment Facility Construction

Village of Kronenwetter, Wisconsin
Becher Hoppe Project Number 2021.022

Period | January 2025

Activities This Period

- **Project Management:** Joe Kafczynski
 - Owner Coordination
 - Contractor Coordination
 - Internal and subconsultant team coordination
 - Submittals management
 - WDNR Coordination
- **Construction Related Services:**
 - Part-time on-site RPR Services – Joe Kafczynski
 - Construction progress documentation
- **Change management**
 - A summary of the number of submittals, Request for Information (RFI), Request for Proposal (RFP) and Change Orders processed, or under review, during this period are summarized below

Submittals				Change Orders	RFIs	RFPs
Received To-Date, including resubmittals		53		Approved	To – Date	To - Date
Submittals This Month				4	9	3
Received	Reviewed	Returned to Contractor	Under Review	In process	This Month	This Month
0	0	0	0	1	0	0

Near-Term Activities

- **Project Management:**
 - Project Closeout Documents
- **Regulatory Affairs and Funding:**
 - Pay Application Processing and SDWLP disbursement requests

- **Construction Related Services**
 - RPR services and construction documentation including photos (construction & aerial)
 - Punchlist Review.
- **Change Orders**
 - Becher Hoppe is working with the contractor on the costs associated with unforeseen issues during the Well No. 2 pump rebuild requiring extra time.
 - Ellis/Rhode/Water Well Solutions provided pictures with descriptions for this change order request.
 - One final change order will be needed in order to close out the project.

Completed Work at Site by Contractor

- Building Construction
- Well No. 2 Rebuild
- Rough grading of site
- Overhead Door Coiling Door Installed (CO 4)
- Generator Delivered to Site
- Concrete Approach
- Water service tie in and sanitary sewer lateral
- Backwash tank connection to sanitary sewer
- Generator Start up and Testing
- 90% of Media Installed
- Mechanical Piping/Process Piping
- Process Pipe and Tank Coatings
- Filter Start Installation and Startup/Commissioning

Future Work

- Joint Sealing (interior)
- Warranty Restoration work (Landscaping touch up, Etc.)
- Complete Punch List Items

Schedule Update

- After filter start up and programming through January, the Filters were put in service supplying water to the Village on January 22, 2025.
- During the startup, there were some items that came up with the backwash sequence of the Filters. Kurita came back out on site to reprogram how the filters are backwashed using system water instead of well water. Successful backwash of the filters using system water took place on February 5, 2025 and the Village is now set up to operate the filter system.

Project Cost Summaries:

Cost Category	FAA Loan Amount (at FUND)	Revised Loan Amount (at FAA)	Total Amount Approved	Total Amount Paid	Pay Req #1	Pay Req #2	Pay Req #3	Pay Req #4*	Unexpended Balance
1. Force Account	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2. Interim Financing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3. Planning & Design Contracts	\$228,100.00	\$228,100.00	\$223,100.00	\$223,100.00	\$223,100.00	\$0.00	\$0.00	\$0.00	\$5,000.00
BECHER-HOPPE ASSOCIATES, INC. (BH PD)	\$228,100.00	\$228,100.00	\$223,100.00	\$223,100.00	\$223,100.00		\$0.00	\$0.00	\$5,000.00
4. Land Acquisition/Easement	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5. Construction Management/Engineering	\$90,000.00	\$90,000.00	\$63,212.33	\$63,212.33	\$0.00	\$0.00	\$63,212.33	\$11,520.00	\$15,267.67
BECHER-HOPPE ASSOCIATES, INC. (E/CM)	\$90,000.00	\$90,000.00	\$63,212.33	\$63,212.33			\$63,212.33	\$11,520.00	\$15,267.67
6. Construction/Equipment	\$0.00	\$2,873,043.00	\$1,767,838.41	\$1,767,838.41	\$0.00	\$1,335,510.29	\$432,328.12	\$216,802.16	\$888,402.43
ELLIS STONE CONSTRUCTION COMPANY (ELLIS STONE)	\$0.00	\$2,873,043.00	\$1,767,838.41	\$1,767,838.41		\$1,335,510.29	\$432,328.12	\$216,802.16	\$888,402.43
7. Contingency	\$143,100.00	\$132,057.00	\$0.00	\$0.00	\$0.00	\$0.00	\$66,444.00	\$0.00	\$65,613.00
8. Miscellaneous Costs	\$12,300.00	\$12,300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,300.00
9. Closing Costs	\$50,000.00	\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,000.00
Grand Total	\$523,500.00	\$3,385,500.00	\$2,054,150.74	\$2,054,150.74	\$223,100.00	\$1,335,510.29	\$561,984.45	\$228,322.16	\$1,036,583.10

*Disbursement Request/Pay Request #3 was sent to DNR for review and approval on 7/19/2024. This table assumes they have reviewed, approved, and paid the amounts listed.

Notes: The "Revised Loan Amount" reflects that \$90,000.00 of the loan amount was approved for Construction Management/Engineering Services. Current construction services agreement between the Engineer and Village is \$74,000.00. This means the actual "Unexpended Balance" remaining for Construction Management/Engineering Services is \$74,000.00 - \$74,732.33 = \$(732.33). Engineering costs in this scenario are over amount. RPR service Contract for A/E services are on a time and material basis.

Project Progress Pictures (January 2025)



Filtration System



Filtration System



BHA Testing of Filter Effluent



Chemical Feed Equipment Installed



Proposal

Ellis Construction
Attn: Zach Gilmaster
3201 Stanley Street
Stevens Point, WI 54481

Proposal#: 19539
Date: 04-Jun-24

W5745 Woodchuck Lane
P.O. Box 409
Plymouth, WI 53073-0409
Phone: (920) 893-5905
Fax: (920) 893-5908

Department Totals

Pipe Fitting	\$3,636.00	Base Bid
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We hereby propose to furnish all material and labor necessary to complete work as described below, in a good and workmanlike manner, for the sum of: \$3,636

Three Thousand Six Hundred Thirty-Six Dollars

Description

Additional labor and materials needed by Water Well Solutions during the rebuilding of the well pump.

According to plans and specifications as drawn by: Becher Hoppe

Project #: 23-066 Project: Kronenwetter Well #2

Location of Work: Kronenwetter, WI Owner: Village of Kronenwetter

Terms: Net 30 Days. Finance charge of 1-1/2% per month (Annual Percentage rate of 18%) added after 30 days after first billing date.

Respectfully Submitted,

Brian Marquardt

Accepted By: _____ Date: _____

Per: Brian Marquardt

Title: _____

ROHDE BROTHERS, INC.

This proposal when signed by you and returned to us shall constitute a valid and binding contract, which shall be governed and construed according to the laws of the State of Wisconsin. This proposal is subject to 30 days acceptance from the date of this proposal and may be changed without notice before actual receipt of acceptance. This proposal is based on a form of contract using the latest editions of AIA Document A201. "General Conditions of the Contract for Construction" in conjunction with either AIA Document A101, "Standard Form of Agreement Between Owner and Contractor" of AIA Document A401, "SUBCONTRACT Standard Form of Agreement Between Contractor and Subcontractor", or on a time and material form of contract using the latest edition of Rohde Brothers, Inc. "Standard Form of Construction Contract Proposal For Cost Of Work Plus A Fee". Rohde Brothers shall also be reimbursed for all expenses it incurs while protecting its rights in the performance of this work. This shall include any appropriate legal or administrative action that Rohde Brothers must take to protect its interests, such as, but not limited to, attorney and accounting fees, court reporter fees, filing fees, the actual cost of effecting service of papers or providing witnesses, and expenses incurred by Rohde Brothers itself.

CONFIDENTIAL CUSTOMER COPY



Village of Kronenwetter

Breakdown of Rohde Proposal #19539

Proposal Name: Kronenwetter Well #2

Subcontract	Total
Water Well Solutions	\$ 3,463.23
Total Before Adjustment	\$ 3,463.23
Allowable Adjustment	5.0%
Total Subcontract Cost	\$ 3,636.39
Material Total:	\$ 0
Total Labor	\$ 0
Total Subcontractor	\$ 3,636
Total Change Order	\$ 3,636



P: 920-474-4777

TF: 888-769-9009

Fax: 920-474-4771

Water Well Solutions Wisconsin LLC

N87 W36051 Mapleton Street

Oconomowoc, WI 53066

Web: www.wwsg.com

Customer: Rohde Brothers, Inc.

W5745 Woodchuck Lane,

Plymouth, WI 53073

Attn: Brian Marquardt

marquardtb@rohdebros.com
Project Engineer: Philip Judkins

INVOICE #: WI24-05-117A
Date: 5/28/2024

Project #: 19231111

Progress or Final: Final

PO#/Job#: 23-066

Terms: 10 Days

Qty	Description	Unit Price	TOTAL
	Kronenwetter Well No 2		
	Change Order Invoice		
	LABOR:		
39.5	Additional Labor/Machinist Hours for Pump Teardown/Add 1-Stage	65.00	\$2,567.50
	Allowable Adjustment		15.00%
	Total Labor:		\$2,952.63
	MATERIALS:		
2	New 100# Gauges	69.06	\$138.12
1	New Stainless Steel Strainer	305.88	\$305.88
	Allowable Adjustment		15.00%
	Material Total:		\$510.60
Subtotal			\$3,463.23
Tax			
Total Due			\$3,463.23

PLEASE REMIT ALL PAYMENTS TO:

N87 W36051 Mapleton St

Oconomowoc, WI 53066

Kronenwetter Well 2 Breakdown:	Workers	Rate	Cost / Scope
Mobilize, Pull, Teardown			Original Scope
Call to discuss options			No Charge
Cut Shaft & Use Gear Puller Repeat Steps to Get Pump Apart	Elliott (8.5 hrs.)	\$65.00/hr.	\$552.50
	Andrew (7 hrs.)	\$65.00/hr.	\$455.00
	Jack (7 hrs.)	\$65.00/hr.	\$455.00
	Peter (7 hrs.)	\$65.00/hr.	\$455.00
Cleaned Components & Made New Shaft			Original Scope
Re-assembled			Original Scope
Take top stage and discharge case off and re-face in lathe and re-assemble	Elliott (4 hrs.)	\$65.00/hr.	\$260.00
	Andrew (3 hrs.)	\$65.00/hr.	\$195.00
	Jack (3 hrs.)	\$65.00/hr.	\$195.00
Paint Bowls			Original Scope
Reinstalled			Original Scope
Collect 2 Bacteriological Samples			Original Scope
Sub Total:			\$2,567.50
15% Allowable Adjustment			X .15
Total:			\$2,952.63

Additional Components:		
2	New #100 Gauges	\$138.12
1	New Stainless-Steel Strainer	\$305.88
Sub Total:		\$444.00
15% Allowable Adjustment		X .15
Total:		\$510.60

Grand Total for Additional Labor and Components:	\$3,463.23
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Village of Kronenwetter

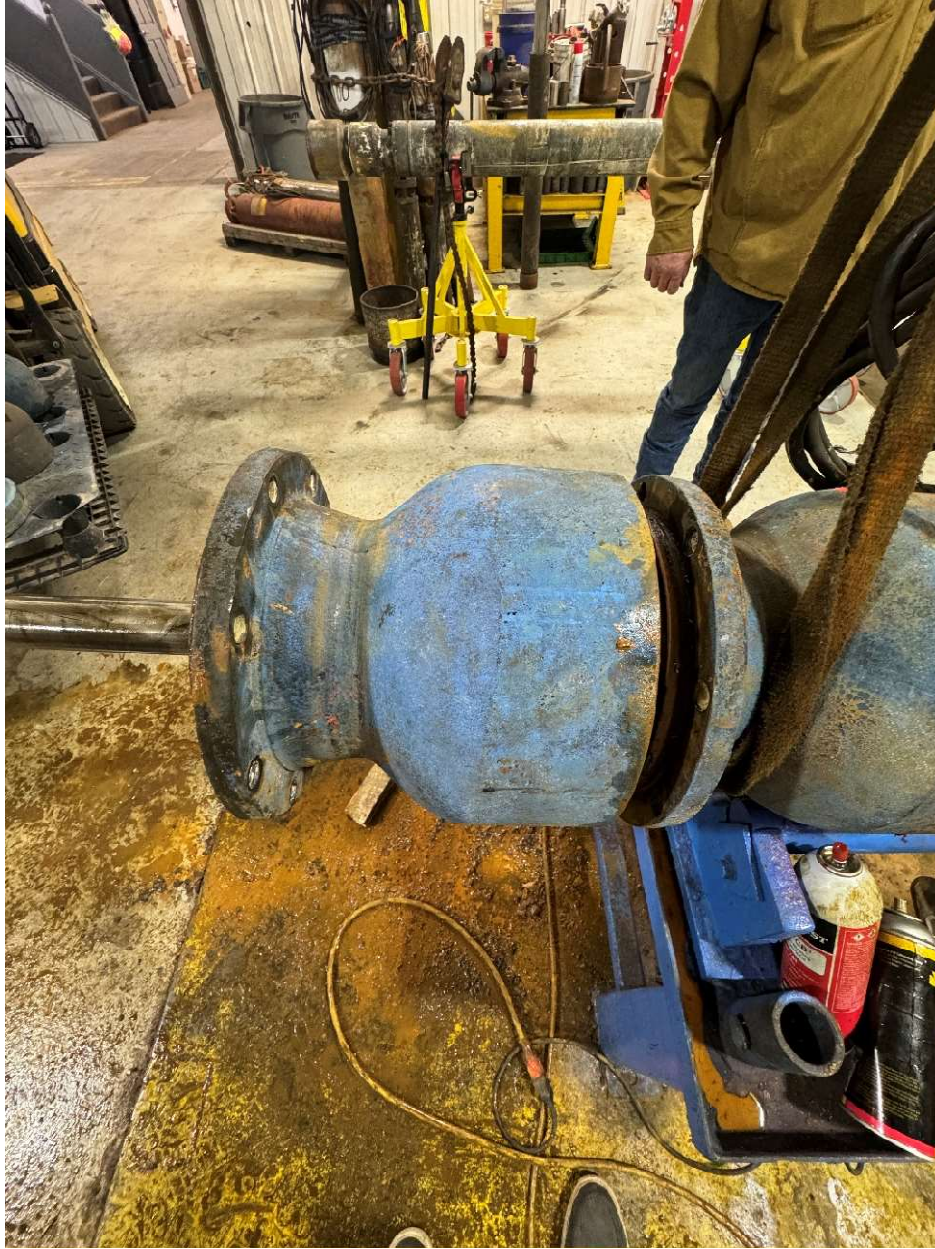
Breakdown of Rohde Proposal #19539

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Total Labor	\$ 0
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Total Change Order	\$ 3,636



Top Side of Intermediate Pump Casting that was stuck on the pump shaft due to build up and sediment.



Side of Intermediate that was seized to the shaft and would not allow us to remove it any further in the picture without the extra measures we went through to not risk damaging or breaking the flange face of the casting.



Bottom Side Skirt of the impeller with debris and wear that would not allow for standard removal leading to extra time and measures to salvage and re-use.



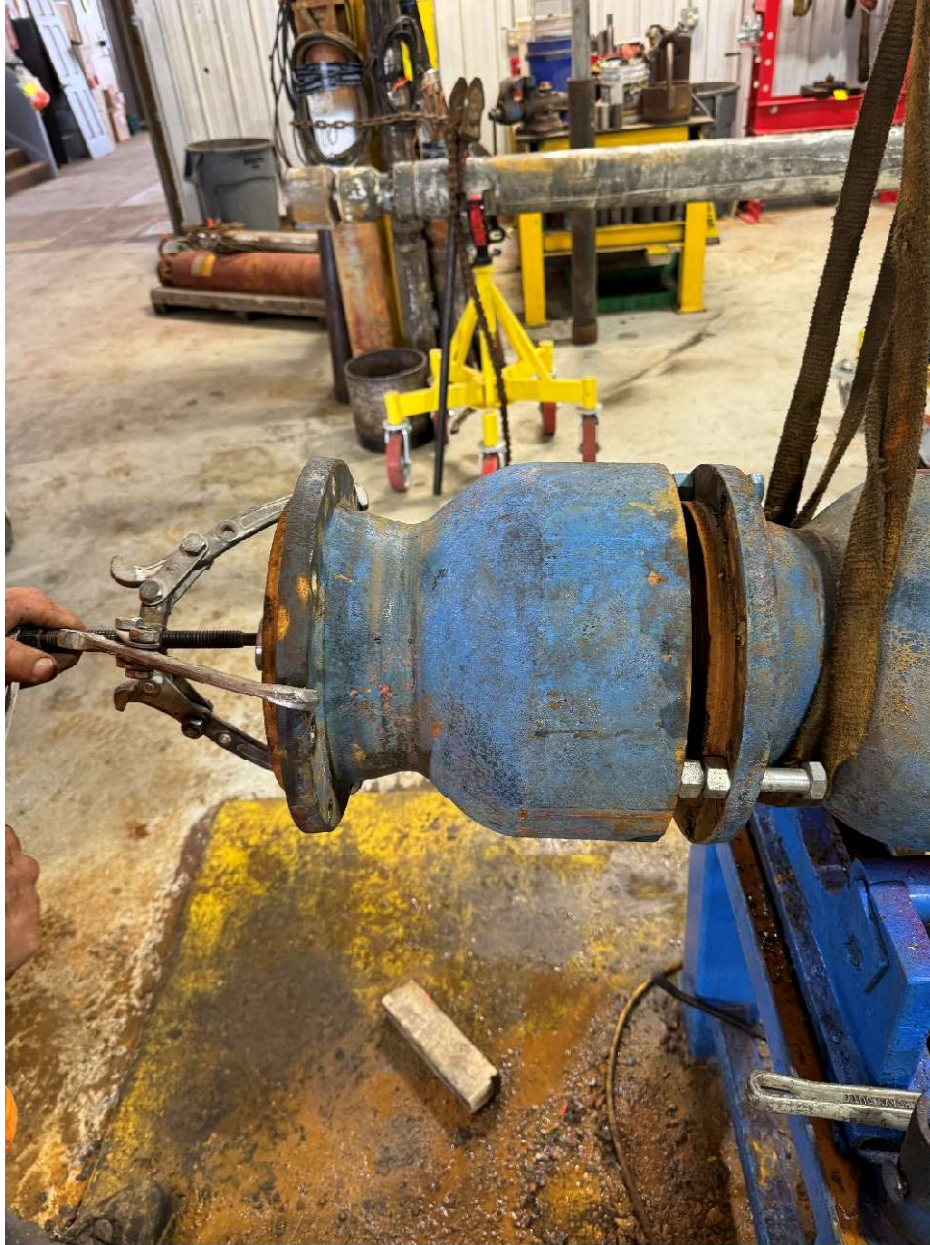
Picture between intermediates showing wear on impeller skirt.



Side View Close up of intermediate and impeller stuck on shaft as pictured previously.



Top of Intermediate once the stuck intermediate and impeller were removed after all the additional efforts were made and successful in removing them with no damage to the pump. As you can see, there is a large amount of build up and sediment that were mainly the cause of the intermediate not coming off the shaft in a routine and easy fashion.



The stuck intermediate bearings were broken free by cutting the top of the bowl shaft off and using a 3-arm gear puller attached to the outside of the bowl casting with bolts and nuts on the backside to inch the bowl forward off the shaft without damaging it. I attached some pictures for visual. This is a very time-consuming process to not crack or damage the bowl casting. Once the bowl was free, we had to repeat these steps of cutting the shaft with the stuck bearing off to continue removing stages of the pump. All components were then pressure washed, and the bearings pushed out and replaced in each stage of the pump. A new bowl shaft was made, collets cleaned and re-assembled with the added stage and new ss bolting. The discharge case and the new stage had to be put in the lathe and re-faced to ensure a machined fit surface. The bowl was then painted and build completed.