



Mineral Point, Wisconsin

CITY OF MINERAL POINT

137 HIGH STREET, SUITE 1
MINERAL POINT, WI 53565
608-987-2361

AGENDA

CITY OF MINERAL POINT COMMON COUNCIL MEETING

Tuesday, June 10, 2025, 6:00 PM

City Hall Community Room/Virtually

****ALL AGENDA ITEMS LISTED MAY HAVE ACTION TAKEN****

- 1. Call to Order. Roll Call. Confirmation of Compliance with the Open Meetings Law.**
- 2. Pledge of Allegiance.**
- 3. Persons Desiring to be Heard** – Five-minute limit except by consent of Council; no action will be taken on any item that is not specifically listed on the agenda.
- 4. Public Hearing** – regarding the vacation and discontinuance of a portion of Doty Street in the City of Mineral Point, Iowa County, Wisconsin. **Action:** Open public hearing/Hear testimony/Close public hearing.
- 5. Mayor's Correspondence.**
- 6. Administrator's Report.**
- 7. Clerk-Treasurer's Correspondence.**
- 8. Consent Agenda.**
 - a. Approval of Mayor's appointment of Stevan Leger as Chair of the Board of Appeals.
 - b. Approval of a Certified Survey Map requested by Randolph and Cynthia Fleming for the subdivision of a parcel into three parcels at 141 Merry Christmas Ln. *Plan Commission recommends approval.*
 - c. Approval of Minutes and Proceedings from the May 13, 2025 meeting.
 - d. Approval of monthly bills. *Finance Committee's recommendation to be reported at the Council meeting.*
- 9. New Business.**
 - a. Consideration of Mineral Point Chamber of Commerce's Special Event Permit for the 4th of July Celebrations, including the closure of High Street for a parade and fireworks observation, and use of Water Tower Park.
 - b. Consideration of the following items related to Brewery Creek 1st Addition. *Delta 3 Engineering to present. Plan Commission recommends approval of preliminary and final subdivision plat.*
 - i. Consideration of preliminary and final subdivision plat.
 - ii. Consideration of preliminary construction plans.
 - c. Consideration of the following items related to Commerce and South Street Reconstruction. *Delta 3 Engineering to present. Finance Committee's recommendations to be reported at the meeting.*
 - i. Consideration of preliminary water and sewer plans.
 - ii. Consideration of Delta 3 Engineering Contract.
 - iii. Consideration of Wisconsin Department of Natural Resources (WDNR) Safe Drinking Water Loan Program (SDWLP) Application.
 - iv. Consideration of Resolution 2025 – 10: Authorizing Safe Drinking Water Loan Program representative.
 - v. Consideration of Resolution 2025 – 11: Safe Drinking Water Loan Program Reimbursement.
 - vi. Consideration of Wisconsin Department of Natural Resources (WDNR) Clean Water Fund (CWF) Application.

OFFICE OF THE CITY CLERK-TREASURER

Mayor – Danny Clark

City Administrator | Matthew Honer | administrator@cityofmineralpointwi.gov

City Clerk-Treasurer | Christy Skelding | cityclerk@cityofmineralpointwi.gov



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-
- vii. Consideration of Resolution 2025 – 12: Authorizing Clean Water Fund Program representative.
 - viii. Consideration of Resolution 2025 – 13: Clean Water Fund Program Reimbursement.
 - d. Consideration of applications for 2025-2026 liquor licenses. *The Police and Licensing Committee's recommendation to be reported at the meeting.*
 - e. Consideration of applications for 2025-2026 Sidewalk Cafe/Parklet Permits. *The Police and Licensing Committee's recommendation to be reported at the meeting.*
 - f. Consideration of applications for 2025-2026 Extension of Premise Licenses. *The Police and Licensing Committee's recommendation to be reported at the meeting.*
 - g. Consideration of applications for 2025-2026 Outdoor Drinking Permits. *The Police and Licensing Committee's recommendation to be reported at the meeting.*
 - h. Consideration of applications for 2025-2026 Cigarette Licenses. *The Police and Licensing Committee's recommendation to be reported at the meeting.*
 - i. Consideration of applications for 2025-2025 Coin Operator Licenses. *The Police and Licensing Committee's recommendation to be reported at the meeting.*
 - j. Consideration of 2024 Audit Report. *Finance Committee recommendation to be reported at the meeting.*
 - k. Consideration of Well 4 Rehabilitation. *Water/Sewer and Finance Committee's recommendations to be reported at the meeting.*
 - l. Discussion and Consideration of Simplified Rate Case for the Water Utility. *Water/Sewer and Finance Committee's recommendations to be reported at the meeting.*
 - m. Consideration of Resolution No. 2025-14 authorizing approval and submittal of the 2024 Compliance Maintenance Annual Report (CMAR). *Water/Sewer Committee recommends approval.*
 - n. Resolution 2025 – 09, Resolution to Vacate and Discontinue a portion of Doty Street in the City of Mineral Point, Iowa County, Wisconsin.
 - o. Consideration to convene in Closed Session via roll call vote pursuant to Wis. Stats. §19.85(1)(c) for consideration of employment, promotion, compensation, or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility (City Administrator contract).
 - p. Convene in Closed Session.
 - q. City Council may reconvene in Open Session to act upon any matter properly discussed in Closed Session.
- 10. Adjourn.**

[Join the meeting now](#), Meeting ID: 268 922 618 212 6, Passcode: 9Hs9HX6V

Dial in by phone [+1 872-256-4172](#), Phone conference ID: 860 510 155#

Agenda Posted and Distributed: Friday, June 6, 2025.

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Reasonable accommodations for participation in this meeting by persons with disabilities, as defined by the Americans with Disabilities Act, will be made upon request and if feasible. Please contact the City Clerk's office (608-987-2361) at least 24 hours before the scheduled meeting so that necessary accommodations can be provided.

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Mayor – Danny Clark

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Mineral Point, Wisconsin

[Document title]

137 HIGH STREET, SUITE 1
MINERAL POINT, WI 53565
608-987-2361

NOTICE OF PUBLIC HEARING
CITY OF MINERAL POINT COMMON COUNCIL
TUESDAY, JUNE 10, 6:00 p.m.
City Hall - Community Room

NOTICE IS HEREBY GIVEN that the City of Mineral Point Common Council will meet at the place, date, and time indicated above to consider a resolution to vacate and discontinue portions of Doty Street in the City of Mineral Point, Iowa County, Wisconsin.

The Resolution affects the title to the real estate described as follows:

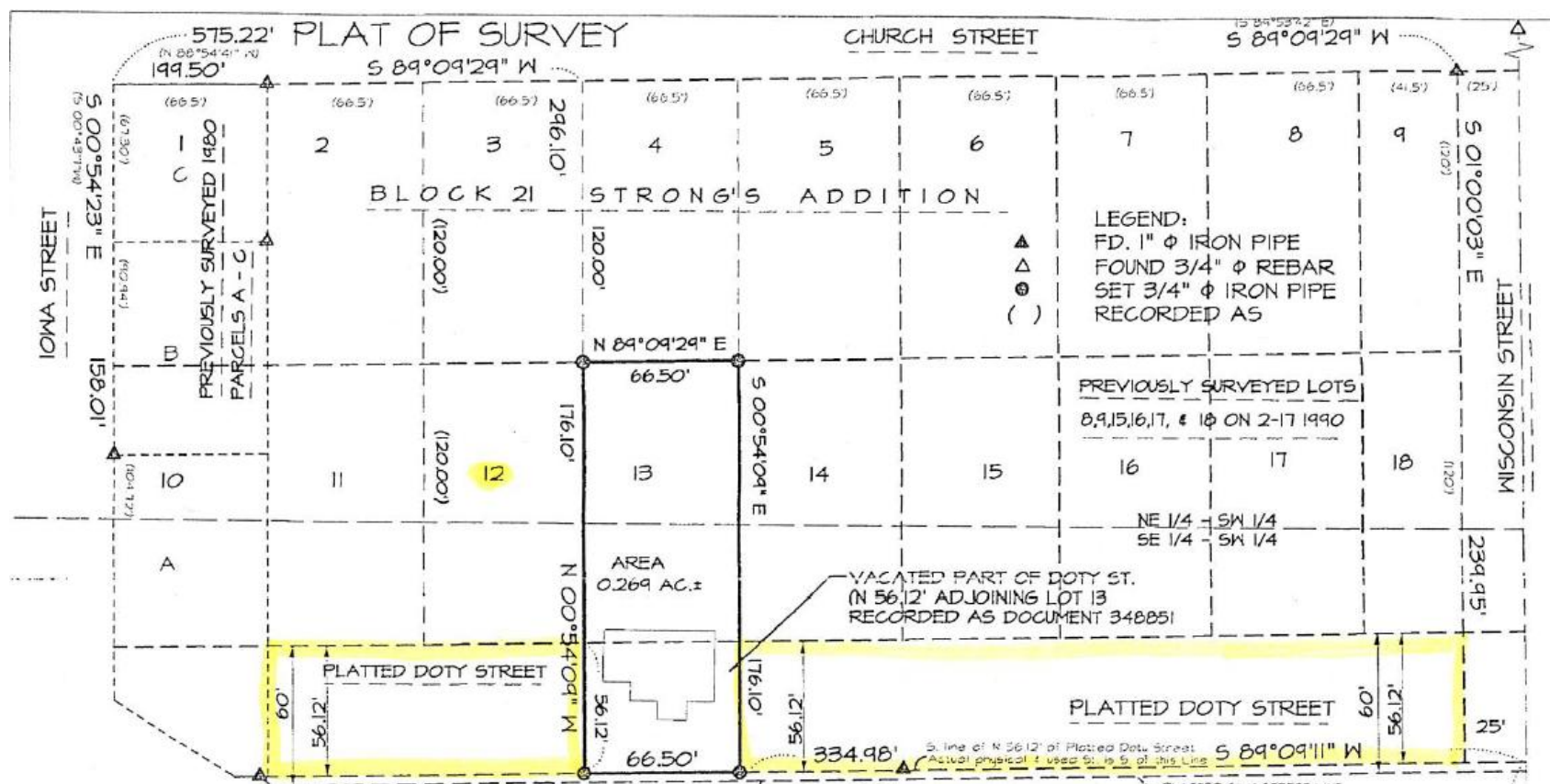
The North 56.12' of platted Doty Street adjoining lots 11, 12, 14, 15, 16, 17, and 18 of Block 21 of Strong's Addition, as further located in the NE ¼ and SE ¼ of the SW ¼ of Section 31, T5N, R3E, City of Mineral Point, Iowa County, Wisconsin.

All interested persons, their agents, or representatives may appear at said hearing and address the Common Council regarding the resolution to vacate and discontinue portions of Doty Street.

Published: May 15, May 22, and May 29, 2025

Christy Skelding
City Clerk/Treasurer

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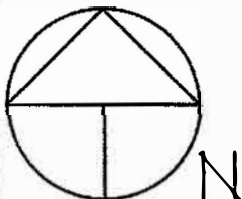
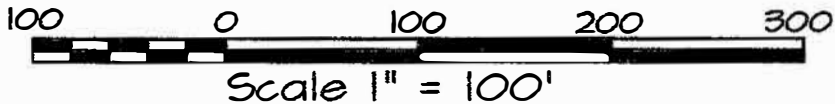


Areas outlined in red on the Map below are described in the notice and resolution. This is the area intended to be vacated. Land vacated from the right-of-way will revert to the adjacent property owners.



IOWA CO. C.S.M. NO.

Being Lot 2 of CSM 1596 as recorded in document 350925,
part of Lot 209 of Harrison's Survey as located in Plat
Cabinet A on page 47, all as located in part of the SW 1/4
of the SW 1/4 of Section 32, T5N, R3E, City of Mineral Point,
Iowa County, Wisconsin



PLAT BEARINGS ARE ORIENTED TOWARD THE IOWA COUNTY COORDINATE SYSTEM AS DEFINED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION, THE SOUTH LINE OF THE SW 1/4 OF SECTION 32, T5N, R3E OF WHICH WAS PREVIOUSLY RECORDED TO BEAR N 89°43'31" W

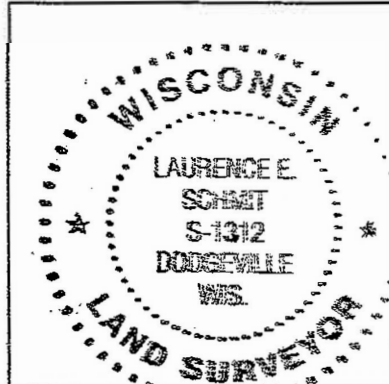
SUMMARY OF AREAS

LOT#	SQ. FT	ACRES ±
1	22,124	0.508
2	29,108	0.668
3	29,602	0.680
4	28,733	0.66
TOTAL	109,567	2.515

OFFICE DATA:

JOB I.D. 2025s-018
SURVEY CREW: Jd
FIELD BOOK NO.: 25-1 pg. 22
DWG. STORED: vers 13
DRAWN BY: les
DRAWING NO.: 25s-18.dwg
DATA FILE NO.: 25s-18.txt

SHEET 1 OF 2



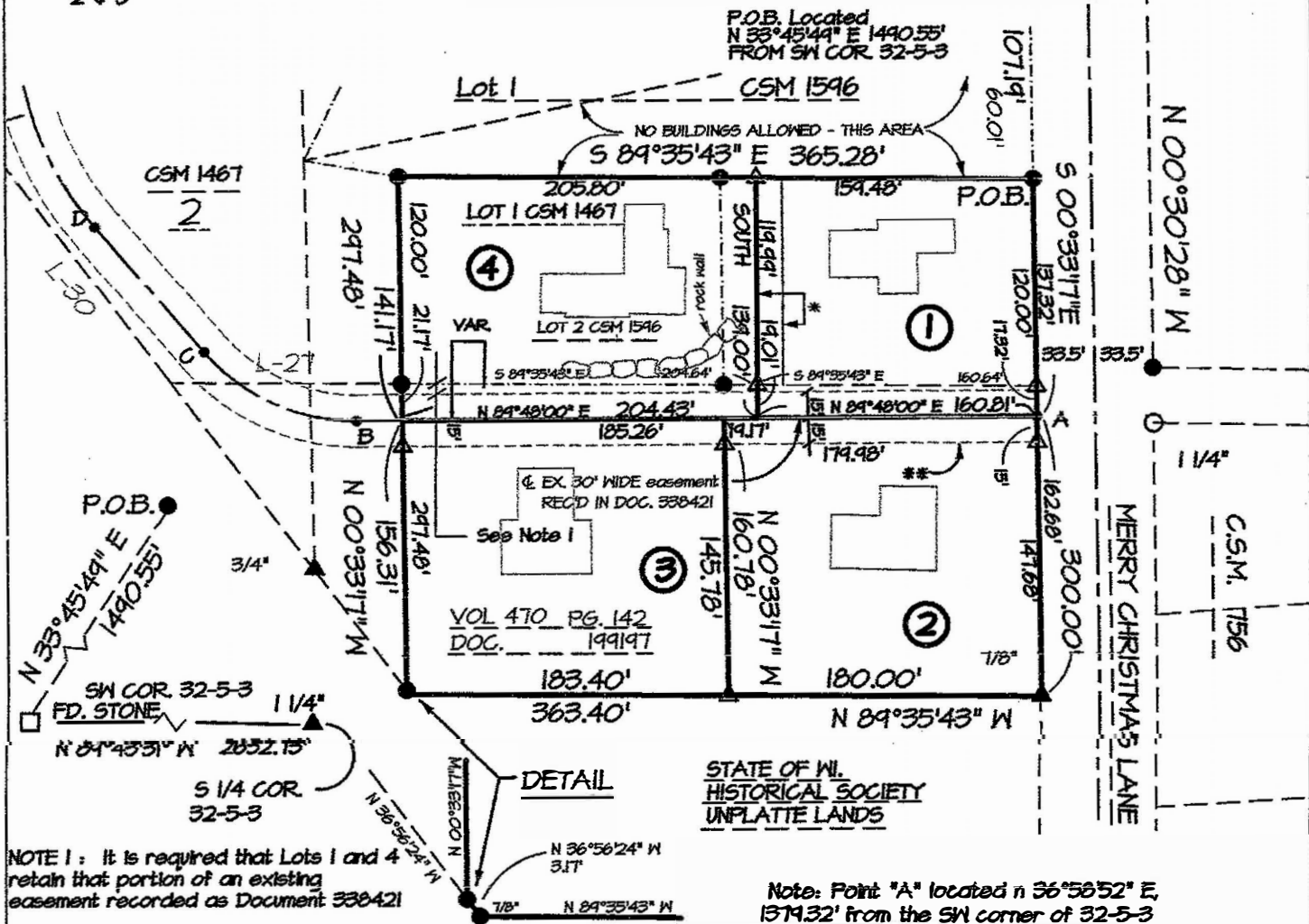
Jawana E. Schmit
6-3-2025

LEGEND:

- △ SET 1"φ X18" X 1.68 #1F IRON PIPE
 ○ FOUND IRON PIPE - DIAM. SHOWN
 ▲● FOUND 3/4" REBAR - U.O.N.
 () RECORDED AS

**** All 4 lots are subject to and benefit from a non-exclusive easement being variable in width across the south side of lots 1 and 4, and being 15' in width across the north frontage of lots 2 & 3**

* lot 1 subject to a 15' wide access easement and retaining wall easement that benefits lot 4



Note: Point "A" located n 36°56'52" E,
1374.32' from the SW corner of 32-5-3

IOWA CO. C.S.M. NO. _____

Being Lot 2 of CSM 1596 as recorded in document 350925, part of Lot 209 of Harrison's Survey as located in Plat Cabinet A on page 47, all as located in part of the SW 1/4 of the SW 1/4 of Section 32, T5N, R3E, City of Mineral Point, Iowa County, Wisconsin

I, Laurence E. Schmit, Registered Land Surveyor hereby certify that under the direction of Randolph Fleming, I have made a survey, division, and map. Subject map is a correct representation of all the exterior boundaries of the land surveyed and the division thereof, and that I have fully complied with the provisions of Chapter 236.34 of the Wisconsin Statutes in the dividing, mapping of the land which is described as being

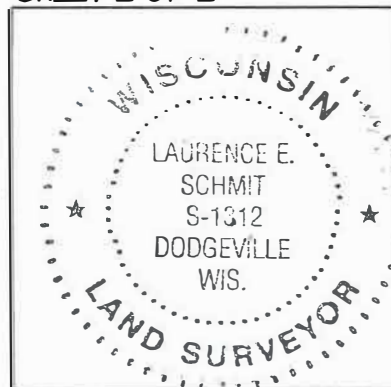
Lot 2 of CSM 1596 as recorded in document 350925, part of Lot 209 of Harrison's Survey as located in Plat Cabinet A on page 47, all as located in part of the SW 1/4 of the SW 1/4 of Section 32, T5N, R3E, City of Mineral Point, Iowa County, Wisconsin, to wit:

Commencing at the SW corner of said Section 32; thence N 33°45'49" E, 1490.55' to the SE corner of lot 1 of CSM 1596, said point being the Point of Beginning; thence S 00°33'17" E, 300.00' along the westerly right of way line of Merry Christmas Lane; thence N 89°35'43" W, 363.40'; thence N 36°56'24" W, 3.17'; thence N 00°33'17" W, 297.48' to the NW corner of lot 2 of CSM 1596; thence S 89°35'43" E, 365.28' to the POINT OF BEGINNING. Containing 109,566 square feet, or 2.515 acres, more or less

SHEET 2 OF 2

Laurence E. Schmit

6-3-2025



Laurence E. Schmit

date:

APPROVED FOR RECORDING BY: City of Mineral Point

Danny Clark - Mayor

date:

Christy Skelding - Clerk Treasurer

date:

OFFICE DATA:

JOB I.D.	2025s-018
SURVEY CREW:	jd
FIELD BOOK NO.:	
DWG. STORED:	vers 13
DRAWN BY:	les
DRAWING NO.:	25s-18.dwg
DATA FILE NO.:	<25s-018.txt>

SCHMIT ENGINEERING & SURVEYING
215 E. GRACE STREET
DODGEVILLE, WI. 53533
608-935-2721

MINUTES

CITY OF MINERAL POINT COMMON COUNCIL MEETING

Tuesday, May 13, 2025 – 6:00 PM

City Hall Community Room/Virtually

CALL TO ORDER/ROLL CALL

Meeting called to order by Mayor Clark at 6:00 PM.

Christensen	Present		Graber	Present
Weier	Present		Burrows	Excused
McKeon	Present		Allendorf	Present
Ramshur	Present		Goodney	Present
Others Present: Administrator Honer, Police Chief Bob Weier, Water and Sewer Superintendent Nate Fosbinder, Streets Foreman Chad Whitford, Library Director Diane Palzkill, Fire Dept. Chief Walrack, Dirrick Wahl, Mary Glindinning, Logan Hansen, Tom McGuire, Matthew Payne.				

PERSONS DESIRING TO BE HEARD –

Tom McGuire – 315 Harris St., discussed his desire to have a stop sign installed at the intersection of Shake Rag St. and Williams St. He handed out photos and a sign-up sheet. Tom stated there are a lot of children in the Piety Ridge neighborhood and feels that it is very important to address the safety concerns at the intersection.

PUBLIC HEARING: REGARDING THE VACTION AND DISCONTINUANCE OF MARGARET STREET AND JOHN STREET IN THE CITY OF MINERAL POINT, IOWA COUNTY, WISCONSIN.

Motion (Allendorf/McKeon) to open the public hearing. Motion carried, all voting aye (7-0).

No public comment.

Motion (Allendorf/McKeon) to close the public hearing. Motion carried, all voting aye (7-0).

MAYOR’S CORRESPONDENCE –

Mayor Clark recognized International Firefighters Day, May 4th; recognized Clerks week, May 4 – 10; recognized National Police Week, May 11 – 17; and recognized National EMS week, May 18 – 24, and recognized Dan Bureson’s retirement from Mineral Point School District as a teacher and varsity basketball coach.

ADMINISTRATOR’S REPORT –

Administrator Honer reported that Streets Foreman Chad Whitford started on May 1 and has been quickly getting up-to-speed with city operations. The Streets Dept. is currently testing out four 10-hour days for the summer.

City Hall will transition to Summer Hours.

Grant applications were submitted to WIDNR for the Tennis and Pickleball courts, to Wisconsin Economic Development Corporation on behalf of the proposed development at the City Garage, and to Rep. Mark Pocan’s office for the replacement of private lead water services.

CLERK-TREASURER’S CORRESPONDENCE – Clerk-Treasurer Christy Skelding was excused from the meeting.

CONSENT AGENDA

- a. Approval of minutes and proceedings from April 8 and April 15, 2025, meetings.
- b. Approval of monthly bills.

Christensen stated that Finance Committee recommended approval of the monthly bills.

Motion (Allendorf/Goodney) to approve the consent agenda as presented. Motion carried, all voting aye (7-0).

NEW BUSINESS

CONSIDERATION OF HIRING JAYNE LINDSEY AS POOL MANAGER.

Allendorf stated that the Personnel Committee recommended approval of Jayne Lindsey as the Pool Manager.

Motion (Allendorf/Weier) to hire Jayne Lindsey as the pool manager. Motion carried, all voting aye, (7-0).

CONSIDERATION OF AGREEMENT FOR ENGINEERING CONSULTING SERVICES WITH VIERBICHER ASSOCIATES, INC. FOR THE REVITAIZATION OF CORNISH HERITAGE PARK.

Christensen reported that the Finance Committee recommended approval. Logan Hansen introduced himself as the project engineer from Vierbicher Associates and stated that the contract presented is a full-service engineering contract.

Motion (Allendorf/Christensen) to approve the agreement for engineering consulting services with Vierbicher Associates, Inc for the revitalization of Cornish Heritage Park. Motion carried, all voting aye (7-0).

POSSIBLE CONSIDERATION OF RESOLUTION 2025-07, RESOLUTION TO VACATE AND DISCONTINUE MARGARET STREET AND JOHN STREET IN THE CITY OF MINERAL POINT, IOWA COUNTY, WISCONSIN.

Motion (Allendorf/McKeon) to approve Resolution 2025-07, Resolution to Vacate and Discontinue Margaret Street and John Street in the City of Mineral Point, Iowa County, Wisconsin. Motion carried by roll call, all voting aye (7-0).

CONSIDERATION OF RESOLUTION 2025-08, PRELIMINARY RESOLUTION DECLARING INTENT TO EXERCISE SPECIAL ASSESSMENT POWERS RELATIVE TO THE INSTALLATION OF CURB AND GUTTER, SIDEWALKS, AND THE REPLACEMENT OF LEAD/GALVANIZED WATER SERVICES LINES ALONG A PORTION OF N. WISCONSIN STREET, WASHINGTON STREET, AND DAVIS STREET IN THE CITY OF MINERAL POINT, IOWA COUNTY, WISCONSIN.

Administrator Honer stated he expects the final resolution to come before the council in August or September.

Motion (Christensen/Allendorf) to approve Resolution 2025-08, Preliminary resolution declaring intent to exercise special assessment powers relative to the installation of curb and gutter, sidewalks, and the replacement of lead/galvanized water service lines along a portion of N. Wisconsin Street, Washington Street, and Davis Street in the City of Mineral Point, Iowa County, Wisconsin. Motion carried by roll call vote, all voting aye (7-0).

ADJOURNMENT

Motion (Allendorf/Graber) to adjourn at 6:22 p.m. Motion carried, all voting aye (7-0).

Matthew Honer, City Administrator

Approved:

PROCEEDINGS

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Matthew Honer, City Administrator

Approved:

**Council Check Report
Tuesday, June 10, 2025**

	Regular	Manual	Pay Apps	Total
Pooled Cash - General	49,652.80	40,493.52		90,146.32
Pooled Cash - Library	5,433.29	3,759.51		9,192.80
Pooled Cash - Debt Service				-
Pooled Cash- Outlay Fund				
Pooled Cash - Capital Projects	13,746.50			13,746.50
Pooled Cash - Water	19,514.03	6,989.39		26,503.42
Pooled Cash - Sewer	19,383.20	8,604.88		27,988.08
Pooled Cash-TID #2	5,811.00			5,811.00
Pooled Cash- ARPA	3,428.32			
Pooled Cash- Revolving Loan Fund				
Sewer Loan Checking	1,818.00			1,818.00
Police/City Garage Fund				
MP Summer Rec				-
DARE Program		128.00		128.00
Capital Project Checking-MCB				-
Total	\$ 118,787.14	\$ 59,975.30	\$ -	\$ 178,762.44

Finance Committee Approval

Keith Burrows

Chris Goodney

Mike Christensen

Alternate



Mineral Point, Wisconsin

CITY OF MINERAL POINT

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SPECIAL EVENT PERMIT

Project Applicant:	Mineral Point Chamber of Commerce		
c/o	Cory Bennett, Executive Director		
address	114 High Street, Suite 1, Mineral Point		
phone:	608-987-3201	Email:	info@mineralpoint.com
Event:	4 th of July Events		
Event Location:	High Street, Water Tower Park		
Event Date(s):	7/4/2025	to	7/4/2025
Event Times (Set-up to take-down)	10AM	to	10PM
Terms and Conditions of Work to be Performed:			
1.	Applicant may utilize the municipally-owned property (parks, right-of-ways, and/or facilities) for the purpose of a parade, observing fireworks, and luncheon.		
2.	The applicant shall adhere to their written submission of plans, reviewed and approved by Police Chief and City Administrator.		
3.	The applicant shall follow all state laws and local ordinances.		
4.	Applicant shall maintain (attached) certificate of general liability insurance naming The City of Mineral Point as additional insured.		
5.	The Applicant shall provide for any and all maintenance and accommodations beyond the reasonable standards of the City of Mineral Point's own maintenance and standards. (i.e. The City is not responsible for providing services or efforts beyond normal operations). If additional services are requested of the city they are outlined in this form.		
6.	The Applicant must return property to its condition immediately prior to the event, including removing of trash, barricades, signage, etc.		
7.	This Permit may be terminated on 30 days' written notice to the Permit Holder and shall remain in effect until terminated.		
Project Description:	**PARADE** The Chamber asks that High Street be closed to parking from 6am until the completion of the parade. Signage/Banner placement at Water Tower Park. We request no parking along High Street to Church Street up to Water Tower Park, along Doty Street from High Street to Ridge Street and North Iowa to Washington Street to facilitate staging of the parade entries. Chamber Staff will remove the signage after the parade. Parade to begin at 11 am with a Police escort. Parade will conclude on Commerce Street. Traffic control ends and barricades are returned to the location they were placed by the Mineral Point Streets Department.		

OFFICE OF THE CITY CLERK-TREASURER

Mayor – Danny Clark

Administrator | Matthew Honer | administrator@cityofmineralpointwi.gov

City Clerk-Treasurer | Christy Skelding | cityclerk@cityofmineralpointwi.gov



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****LUNCHEON****

We request usage of the Water Tower Park for the luncheon from 9am-3pm.

****FIREWORKS****

The Chamber is requesting the closing of High Street from Commerce to N. Wisconsin St. Starting at 8:30 pm. The following actions will be done as part of the closing of High Street.

- There will be an attended fire engine as a barricade (in addition to barricades) at the intersection of High and Henry St.
- There will also be a fire truck, ambulance, or other attended vehicle as a barricade at the intersection of High and Commerce streets (in addition to barricades).
- The Chamber will put lighted barricades (remaining on location from the parade) at the intersections of Chestnut and Vine Streets at 8:30 pm.
- The Chamber will remove all barricades and coordinate the opening of High Street once spectators have removed themselves from the Street. Barricades will be placed back where they were located prior to the fireworks where the City/Police placed them.
- The Chamber will put a public service announcement in the newspaper, social media and our weekly newsletter informing people that from 8:30 pm, you will not be able to move your vehicle if it is parked on High Street until after the fireworks.
- The Chamber will put fliers on the windshields of vehicles parked on High Street during that time, letting them know they cannot leave until after fireworks are over. Chamber staff/volunteers will be on High Street patrolling pedestrians off the street before cars can drive off. The chamber will also place temporary signage on the light poles that states the above information regarding the parking from 8:30 pm until streets are cleared of pedestrians.
- All traffic control points need to have a chamber staff designated to that location, even with the two fire units. Staff designated as traffic control will need safety vests and t/c flashlights.
- At 8:30pm, once the barricades and MPFD are in place, no vehicles will be allowed to enter.
- The Chamber will have a minimum of 6 volunteers to coordinate the opening and closing of High Street.
- After the event, MPFD and all barricades and staff need to remain in place until the streets are clear of pedestrians and a coordinated "opening" of the street occurs.

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Mayor – Danny Clark

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City Clerk-Treasurer | Christy Skelding | cityclerk@cityofmineralpointwi.gov



Mineral Point, Wisconsin

CITY OF MINERAL POINT

137 HIGH STREET, SUITE 1
MINERAL POINT, WI 53565
608-987-2361

Additional City Services	Police escort. City Police and Street Department to install temporary parking signage on High Street. Use of city barricades at locations deemed necessary by City and Chamber. Use of power from the Governor Dodge House and power from the bathhouse at Water Tower Park. Trash receptacles provided by the City at the Water Tower Park.
Indemnification:	Applicant, shall save and hold The City of Mineral Point and affiliates harmless from and against all liability, damage, loss, claims, demands, and actions of any nature whatsoever which arise out of, or is directly connected with, any act, omission, or operation of Applicant, its agents, servants, subcontractors, or employees, or which arises out of or is directly connected with, or arises out of any accident or occurrence which happens in or about the event due to the act or omission of the Applicant. The applicant shall, at its own expense, investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon, and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage loss, claims, demands and actions.
Entire Agreement:	This agreement and attachments hereto contain the entire agreement of the parties and supersede any and all prior agreements or oral understandings between the parties.

Event Applicant

Cory L Bennett
Signature

Cory L Bennett
Name PRINTED Here

06/02/2025
Date

Documents Required:
Signed Application (This Form)

OFFICE OF THE CITY CLERK-TREASURER

Mayor – Danny Clark

Administrator | Matthew Honer | administrator@cityofmineralpointwi.gov
City Clerk-Treasurer | Christy Skelding | cityclerk@cityofmineralpointwi.gov

2025-2026 liquor licenses

"Class A" Beer & Liquor

- Casey's Marketing Company, d/b/a Casey General Store #3897, 609 Dodge Street, Melissa Frank, Agent
- Five Point Market, LLC., d/b/a Five Point Market, 319 Commerce Street, Molly Huie, Agent
- Kwik Trip Inc., 622 Dodge Street, Julie Oxnem, Agent
- Triple P Express LLC, 1045 Branger Drive, Leda Poad, Agent
- Team Sullivan LLC, d/b/a Sullivan's, 303 Commerce Street, Dawn Hughes-Sullivan, Agent
- Dolgencorp, LLC, d/b/a Dollar General, 713 Dodge Street, Jacob Stankowski, Agent

Class "B" Beer

- Red Rooster Café, LLC, 158 High Street, Tammi Busse, Agent
- Five Point Market, LLC, d/b/a Café 43, 43 High Street, Molly Huie, Agent
- Schanen-Spady Hospitality, LLC, d/b/a Mineral Point Hotel, 121 Commerce Street, John Spady, Agent
- Shake Rag Alley, Inc., 18 Shakerag Street, Christina Kubasta, Agent
- The Book Kitchen, LLC, d/b/a The Book Kitchen, 151 High Street, Nicole Bujewski, Agent
- The US Hotel, LLC, d/b/a Lion and Porcupine, 265 High Street, Julian Kerbis, Agent

"Class C" Wine

- Five Point Market, LLC, d/b/a Café 43, 43 High Street, Molly Huie, Agent
- Schanen-Spady Hospitality, LLC, d/b/a Mineral Point Hotel, 121 Commerce Street, John Spady, Agent
- Shake Rag Alley, Inc., 18 Shakerag Street, Christina Kubasta, Agent
- The Book Kitchen, LLC, d/b/a The Book Kitchen, 151 High Street, Nicole Bujewski, Agent
- The US Hotel, LLC, d/b/a Lion and Porcupine, 265 High Street, Julian Kerbis, Agent

"Class B" Beer & Liquor

- Inn at Brewery Creek, LLC, d/b/a Commerce Street Brewery Hotel, 23 Commerce Street, Michael Zupke, Agent
- Catherine Yager, d/b/a Cruise Inn Bar & Grill, 221 Commerce Street
- Cow Tipper's Pub & Eatery, LLC, d/b/a Cow Tipper's Pub & Eatery, 10A Commerce Street, Lyndsey Knauer, Agent
- Faull LLC, d/b/a Midway Bar & Grill, 140 High Street, Nicole Faull, Agent
- Wild Blue, LLC, d/b/a Wild Blue Yonder Coffeehouse, 215 High Street, Margaret Payne, Agent
- Mine Shaft, LLC, d/b/a The Mine Shaft, 155 High Street, Cait Finley, Agent
- Limestone, LLC, d/b/a Eliza's Lounge, 52 High Street, Richard Baumeister, Agent
- Lorelei Foods LLC, d/b/a Popolo, 20 Commerce Street, Wendy Dueling, Agent
- Nuper Hospitality LLC, d/b/a Quality Inn, 1345 Business Park Road, Sejal Patel, Agent
- World Institute for Extreme Beauty LLC, d/b/a The Walker House, 1 Water Street, Daniel Vaillancourt, Agent
- Mineral Point Opera House, 139 High Street, Christina Harrington, Agent

2025-2026 Sidewalk Cafe/Parklet Permits

- Five Point Market, LLC, d/b/a Café 43, 43 High Street

2025-2026 Extension of Premise Licenses

- Five Point Market, LLC, d/b/a Café 43, 43 High Street, Molly Huie, Agent

2025-2026 Outdoor Drinking Permits.

- Lorelei Foods LLC, d/b/a Popolo, 20 Commerce Street, Wendy Taylor Dueling, Agent
- Cow Tipper's Pub & Eatery LLC, d/b/a Cow Tipper's Pub & Eatery, 10A Commerce Street, Lyndsey Knauer, Agent
- World Institute for Extreme Beauty LLC, d/b/a The Walker House, 1 Water Street, Daniel Vaillancourt, Agent
- Schanen-Spady Hospitality, LLC, d/b/a The Mineral Point Hotel, 121 Commerce Street, John Spady, Agent
- Shake Rag Alley, Inc., d/b/a Shakerag Alley Center for the Arts, 18 Shakerag Street, Christina Kubasta, Agent
- Limestone, LLC, d/b/a Eliza's Lounge, 52 High Street, Richard Baumeister, Agent
- The US Hotel, LLC, d/b/a Lion and Porcupine, 265 High Street, Julian Kerbis, Agent

2025-2026 Cigarette Licenses

- Triple P Express LLC, 1045 Branger Drive
- Casey's Marketing Company, d/b/a Casey's General Store #3897, 609 Dodge Street
- Kwik Trip Inc, 622 Dodge Street
- Little Wolf Farm CBD, LLC, 337 Dodge Street
- Dolgencorp, LLC, d/b/a Dollar General, 713 Dodge Street

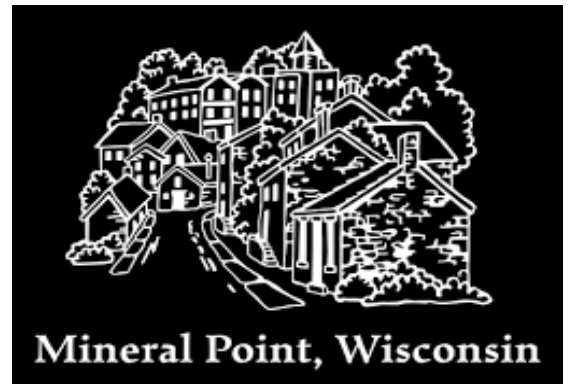
2025-2026 Coin Operator Licenses.

- Cow Tipper's Pub & Eatery, LLC, d/b/a Cow Tipper's Pub & Eatery, 10A Commerce Street
- Catherine Yager, d/b/a Cruise Inn Bar & Grill, 221 Commerce Street
- Faull LLC, d/b/a Midway Bar & Grill, 140 #1 High Street
- The Mine Shaft, 155 High Street

CITY OF MINERAL POINT

Audit Presentation for the Finance Committee

For the Year Ended
December 31, 2024



Presented by Quinn Mitchell, CPA
Audit Manager
June 9, 2025



JOHNSON BLOCK
CPAs

Prepared by:
Johnson Block and Company, Inc.
Certified Public Accountants

CITY OF MINERAL POINT

Audit Overview

- We have completed our audit of the City of Mineral Point for the year ended December 31, 2024 and have issued our independent auditor's reports.
- We issued an unmodified opinion on the financial statements.
- Management has reviewed and accepted the financial statements and adjusting journal entries.
- A separate audit communications document has also been submitted and should be read in conjunction with the audited financial statements.
- We prepared the following regulatory reports for 2024:
 - Form C annual report filed with the Wisconsin Department of Revenue
 - PSC annual financial report filed with the Public Service Commission
 - TID annual report filed with the Wisconsin Department of Revenue

CITY OF MINERAL POINT

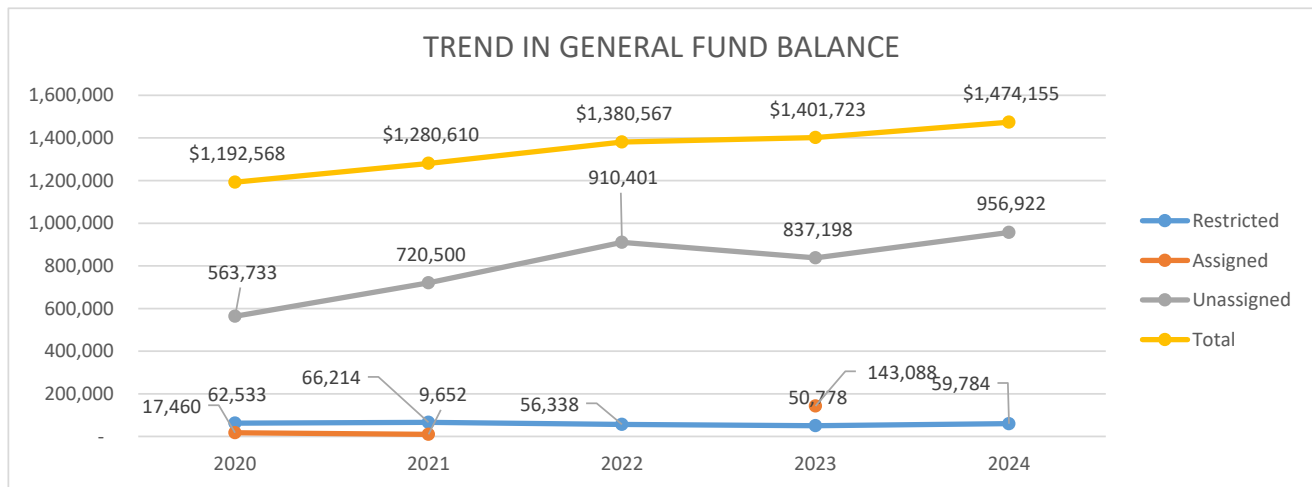
2024 FINANCIAL HIGHLIGHTS

- Governmental funds of the City reported an decrease in overall fund balance of (\$191,395).
 - General fund increased \$72,432
 - Debt service fund increased \$43,703
 - Capital projects fund decreased (\$319,076)
 - Business loan program increased \$22,714
 - TIF District #2 fund decreased (\$18,247)
 - Local Fiscal Recovery Fund increased \$14,385
 - Special Revenue Library fund decreased (\$7,306)
- The Capital Projects Fund saw a significant decrease due to a transfer of \$300,486 to the Debt Service Fund to pay down the anticipation note for the High Street project.
- The Water utility reported an increase in net position of \$121,801, and the Sewer utility showed an increase in net position of \$168,019 in 2024.

CITY OF MINERAL POINT

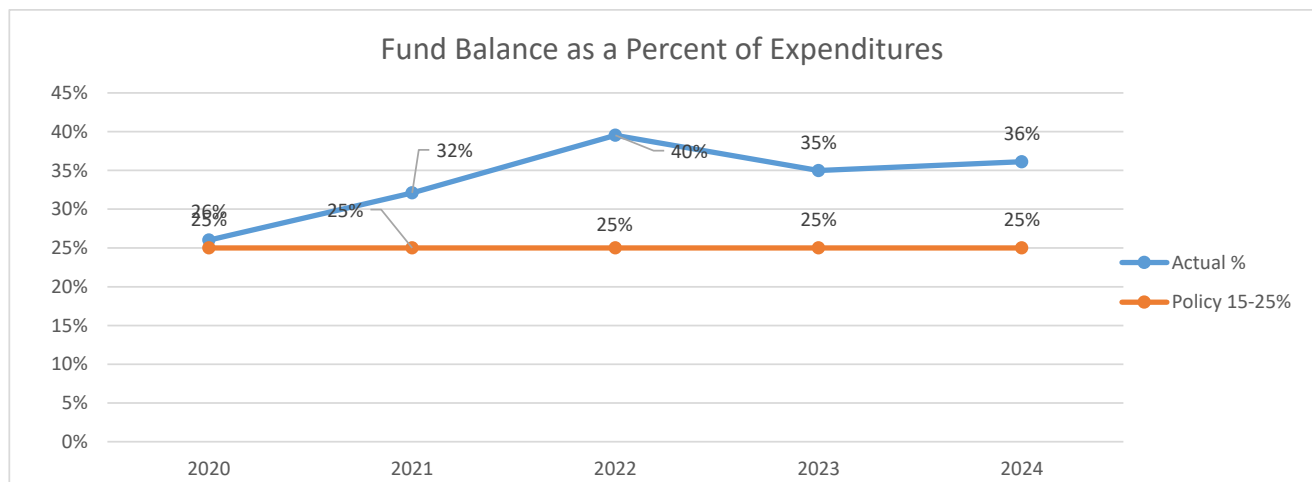
TREND IN GENERAL FUND BALANCE

	2020	2021	2022	2023	2024
Nonspendable	\$ 548,842	\$ 484,244	\$ 413,828	\$ 370,659	\$ 457,449
Restricted	62,533	66,214	56,338	50,778	59,784
Assigned	17,460	9,652		143,088	
Unassigned	563,733	720,500	910,401	837,198	956,922
Total	\$ 1,192,568	\$ 1,280,610	\$ 1,380,567	\$ 1,401,723	\$ 1,474,155



The City's fund balance policy is to maintain a minimum unassigned fund balance in its general fund ranging from 15 - 25% of the subsequent year's budgeted expenditures (including other financing uses).

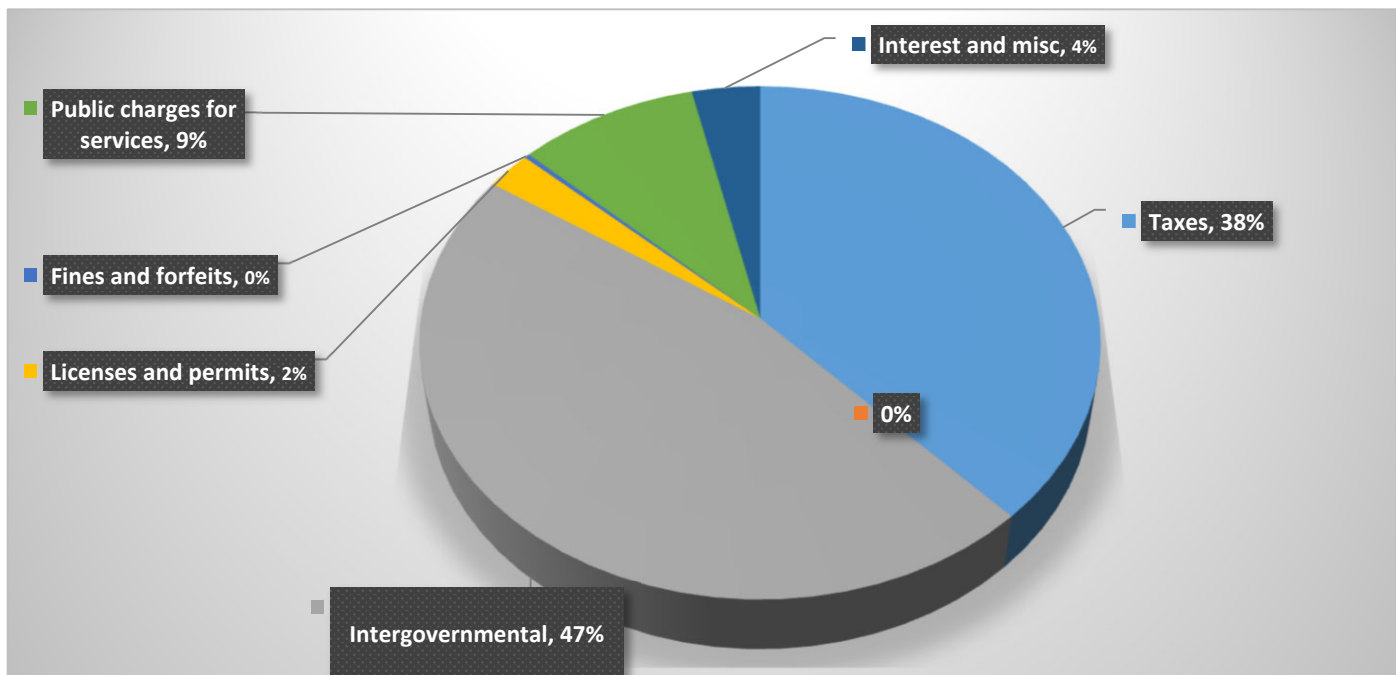
	2020	2021	2022	2023	2024
Unassigned fund balance	\$ 563,733	\$ 720,500	\$ 910,401	\$ 837,198	\$ 956,922
Budgeted Expenditures	2,167,882	2,245,098	2,303,214	2,393,408	2,649,987
Actual %	26%	32%	40%	35%	36%
Policy 15-25%	25%	25%	25%	25%	25%



CITY OF MINERAL POINT

GENERAL FUND REVENUES

	2022	%	2023	%	2024	%
Taxes	\$ 1,265,191	53%	\$ 1,301,499	51%	\$ 1,300,148	38%
Special assessments	2,606	0%		0%	230	0%
Intergovernmental	749,713	31%	734,616	29%	1,594,969	46%
Licenses and permits	67,581	3%	99,791	4%	81,456	2%
Fines and forfeits	13,172	1%	9,681	0%	9,575	0%
Public charges for services	257,684	11%	284,316	11%	322,400	9%
Interest and misc	28,549	1%	106,951	4%	121,996	4%
Total revenues	<u>\$ 2,384,496</u>	100%	<u>\$ 2,536,854</u>	100%	<u>\$ 3,430,774</u>	100%



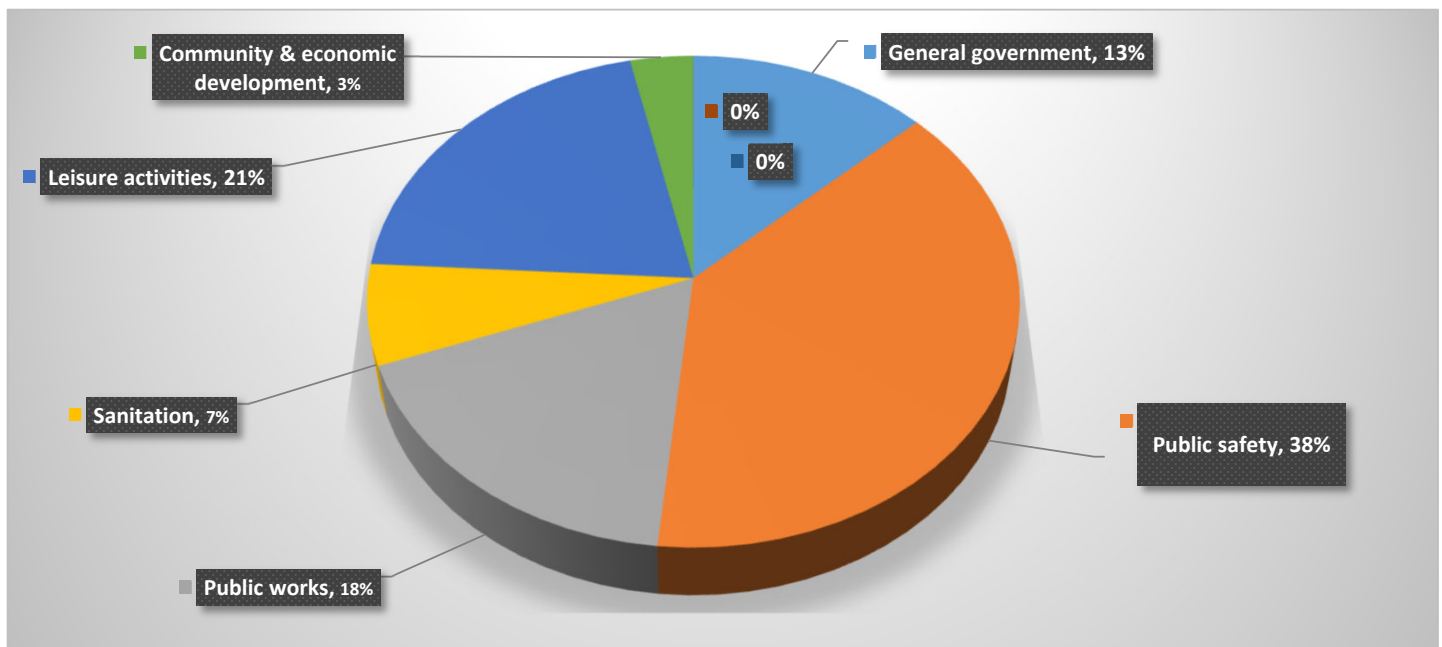
OBSERVATIONS AND COMMENTS:

- Taxes and intergovernmental revenues are the largest portion of revenues.
- Tax revenues have increased 2.8% from 2022 to 2024.
- Intergovernmental revenue increased due to the City receiving a Local Road Improvement grant of \$778,650 in 2024 for the High Street project

CITY OF MINERAL POINT

GENERAL FUND EXPENDITURES

	2022	%	2023	%	2024	%
General government	\$ 305,514	13%	\$ 333,702	13%	\$ 336,182	13%
Public safety	826,620	34%	915,196	37%	990,269	39%
Public works	554,590	23%	501,304	20%	455,836	18%
Sanitation	152,751	6%	166,259	7%	169,730	7%
Leisure activities	436,272	18%	465,594	19%	530,661	21%
Community & economic development	91,481	4%	108,673	4%	87,742	3%
Health and social services	250	0%	817	0%	50	0%
Conservation of natural resources	1,576	0%	936	0%	322	0%
Capital outlay	55,057	2%	10,084	0%		0%
Total expenditures	\$ 2,424,111	100%	\$ 2,502,565	100%	\$ 2,570,792	100%



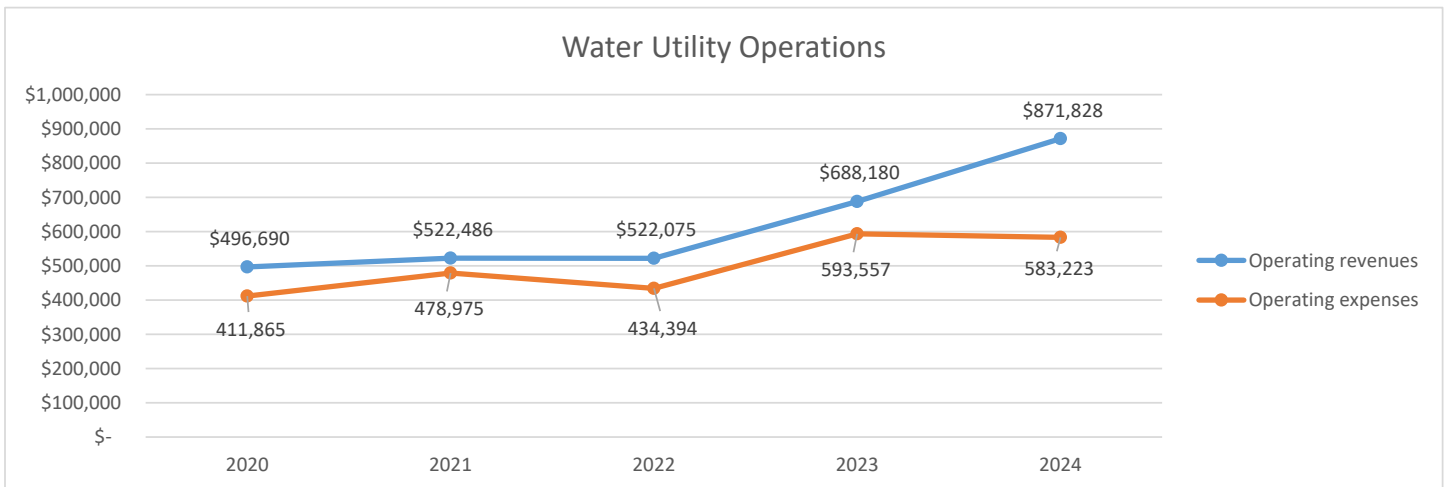
OBSERVATIONS AND COMMENTS:

- Public safety expense increased due to an increase in the amount paid to the MP Rescue Squad.
- Public works expense decreased due to fewer expenses related to snow removal in 2024.
- Leisure activities expenses increased due to an increase in summer recreation expenses and tree removal expenses in 2024, which were partially paid for by an Urban Forestry grant.

CITY OF MINERAL POINT

WATER UTILITY

	2020	2021	2022	2023	2024
Operating revenues	\$ 496,690	\$ 522,486	\$ 522,075	\$ 688,180	\$ 871,828
Operating expenses	411,865	478,975	434,394	593,557	583,223
Net operating income (loss)	\$ 84,825	\$ 43,511	\$ 87,681	\$ 94,623	\$ 288,605
Cashflow from operations	\$ 260,495	\$ 299,513	\$ 242,949	\$ 297,481	\$ 678,325
PSC rate of return	0.71%	-0.93%	-0.69%	1.70%	4.38%



Days of cash on hand

	2020	2021	2022	2023	2024
Unrestricted cash	\$ 599,238	\$ 578,968	\$ 343,081	\$ 22,662	\$ 98,019
Oper exp plus tax equivalent*	\$ 502,664	\$ 563,564	\$ 509,600	\$ 663,611	\$ 693,207
Days cash on hand	435	375	246	12	52

*Excludes principal and interest expense, which can be paid with restricted assets.

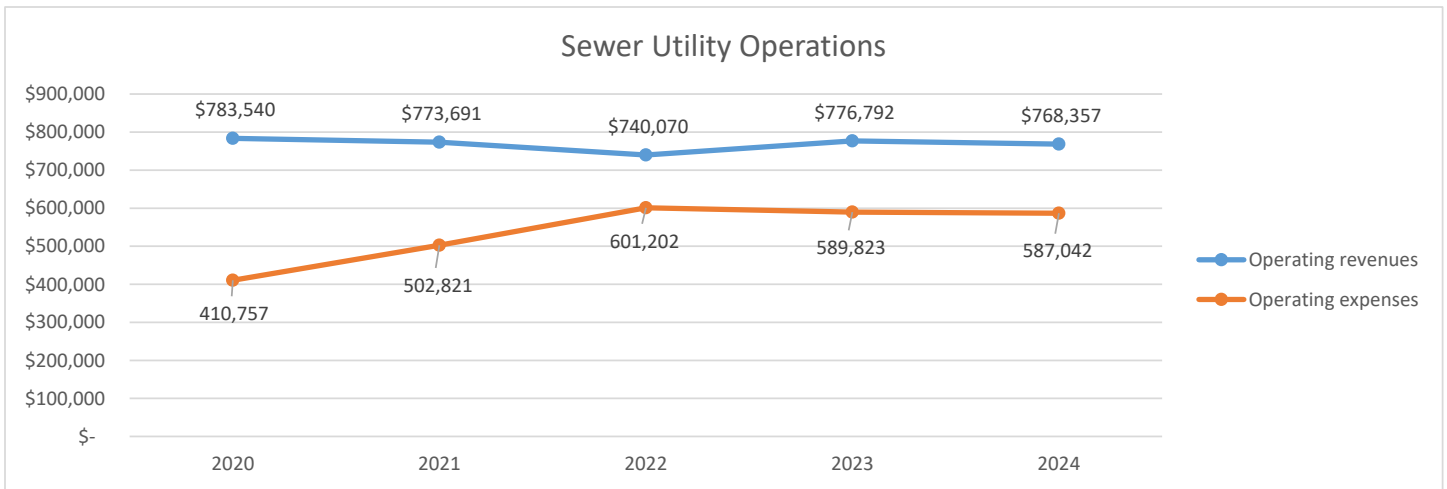
OBSERVATIONS AND COMMENTS:

-Unrestricted cash and days cash on hand increased due to significant expenditures incurred for the High St. project in 2023

CITY OF MINERAL POINT

SEWER UTILITY

	2020	2021	2022	2023	2024
Operating revenues	\$ 783,540	\$ 773,691	\$ 740,070	\$ 776,792	\$ 768,357
Operating expenses	410,757	502,821	601,202	589,823	587,042
Net operating income (loss)	\$ 372,783	\$ 287,052	\$ 138,868	\$ 186,969	\$ 181,315
Cashflow from operations	\$ 502,237	\$ 502,753	\$ 285,086	\$ 442,548	\$ 383,470



Days of cash on hand

	2020	2021	2022	2023	2024
Unrestricted cash	\$ 306,895	\$ 179,922	\$ 141,063	\$ 151,867	\$ 326,888
Operating expenses*	\$ 410,757	\$ 502,821	\$ 601,202	\$ 589,823	\$ 587,042
Days cash on hand	273	131	86	94	203

*Excludes principal and interest expense, which can be paid with restricted assets.

CITY OF MINERAL POINT

CHANGES IN LONG-TERM OBLIGATIONS

- The following table is a summary of long-term obligations for the year ended December 31, 2024:

	Beginning Balance	Increases	Decreases	Ending Balance	Amounts Due within One Year
<u>Governmental activities</u>					
Direct borrowings and placements:					
General obligation notes and bonds	\$ 5,371,156	\$	\$ (1,403,960)	\$ 3,967,196	\$ 418,367
Safe drinking water revenue bonds	670,029		(41,899)	628,130	42,641
Other liabilities:					
Compensated absences	84,871	30,924		115,795	11,339
Total governmental activities long-term liabilities	<u>\$ 6,126,056</u>	<u>\$ 30,924</u>	<u>\$ (1,445,859)</u>	<u>\$ 4,711,121</u>	<u>\$ 472,347</u>
<u>Business-type activities</u>					
Direct borrowings and placements:					
General obligation notes and bonds	\$ 942,536	\$	\$ (120,490)	\$ 822,046	\$ 122,168
Bonds payable	1,591,185		(200,149)	1,391,036	200,149
Safe drinking water revenue bonds	2,957,605	44,835	(130,285)	2,872,155	132,985
Mortgage revenue bonds	220,000		(40,000)	180,000	40,000
Other liabilities:					
Compensated absences	11,562	16,032		27,594	4,390
Total business-type activities long-term liabilities	<u>\$ 5,722,888</u>	<u>\$ 60,867</u>	<u>\$ (490,924)</u>	<u>\$ 5,292,831</u>	<u>\$ 499,692</u>

OBSERVATIONS AND COMMENTS:

- General obligation debt limitation totaled \$17,778,845 and debt subject to limitation totaled \$4,789,242. The City had 73.1% of its debt capacity remaining at December 31, 2024.

CITY OF MINERAL POINT

Other Matters

- Required audit communications to the Common Council:
 - Material Weaknesses:
 - Segregation of Duties
 - Material Adjustments
 - Other Comments:
 - Fraud Risk Controls
 - Cash and Deposits
 - Capitalization Policy
 - Water Utility Billings
- We want to extend thanks to all City personnel for their help and cooperation during the audit.
- Thank you for letting us be of service. We are available throughout the year for any questions or assistance.
- Questions?



6/1/2025

Mineral Point, Wisconsin

☒ New Business ☐ Unfinished Business ☐ Reports ☐ Closed Session ☐ Ordinance/Resolution	Meeting: Finance Committee Meeting: City Council
Department Reporting: Water&Sewer	Submitted by: Matthew Honer
<u>ISSUE:</u> Discussion and Consideration of Well 4 Rehabilitation.	
<u>BACKGROUND/ANALYSIS:</u> In 2021, Well 4 was pumping 500 GPM and its current output is 185 GPM. Water Quality Investigations evaluated and developed a plan to rehabilitate the well. The study and plan are included in the packet. The Water and Sewer Committee reviewed the matter on May 20. At that time, it was anticipated that the project required public bidding but after reviewing the project and confirming with the City's Attorney it was determined that the project does not require public bidding. The Water and Sewer Committee discussed moving forward as soon as possible. Two estimates are included in the packet.	
<u>RECOMMENDATION:</u> Contract with CTAW for the rehabilitation of Well #4 and the planned conversion from an oil lube to water lube pump.	
<u>FISCAL IMPACT:</u> (WATER UTILITY) \$106,190 for well rehab and \$13,360 for water lube conversion. To be amortized over five years.	
<u>ATTACHMENTS:</u> WQI Report. Estimates from CTAW and Peerless.	

Water Quality Investigations Summary Report

Mineral Point Waterworks - Well 3 and Well 4

Investigation Objective:

Assess Well 4's water quality, determine cause of continuing corrosion, and determine the potential for corrosion issues at Well 3.

Sample Date: 02/25/2025

Report Date: 03/12/2025

Project: Mineral Point Waterworks - Well 3 and Well 4**OVERVIEW AND SUMMARY OF MAIN ISSUES IDENTIFIED IN THE STUDY**

Data patterns indicate that corrosion issues observed in Well 4 are not caused by stray voltage and are instead the result of water quality and nutrient conditions that promote chemical and Microbial Influenced Corrosion (MIC) of mineralogy and well equipment. Water conditions in the Well 4 aquifer will naturally promote growth of an organic carbon cycling type of biofilm in the well, which can become problematic if not mitigated through routine maintenance. The water is nutrient limited with respect to nitrogen and phosphorus, which will cause MIC of well pumping equipment, the casing and mineralogy. Conditions in the aquifer supplying Well 4 are slightly different from those observed in Well 3, but both source water qualities will select for MIC and chemical corrosion of well pumping equipment and the well casing. The elevated chloride concentration relative to sulfate in Well 3 will promote chemical corrosion, which enhances MIC. Well rehabilitation and alternate pump installation techniques followed by routine maintenance will help minimize ongoing corrosion issues in both wells.

RECOMMENDATIONS AND CORRECTIVE ACTIONS

The following routine and enhanced maintenance actions are recommended to control/mitigate biofilm and biofilm-related corrosion issues in Well 3 and Well 4:

1. Immediately:
 - a. Mechanically and chemically rehabilitate the wells starting with Well 4. This treatment would emphasize/target the well and nearby aquifer and will require a combination of specialty acids, biofilm disrupting chemicals and chlorine. The treatment will chemically treat the nearby aquifer, but will not completely remove biofilm or improve water quality from this region.
 - b. Reinstall pumping using corrosion resistant materials and construction methods that minimize the potential for corrosion. This includes the use of tape at joints to reduce failures at couplings, use of epoxy coated pipe to reduce corrosion, use of a recycle line to reduce stagnancy and corrosion above the pump and the use of a special coupling lubricant to reduce crevice corrosion at threads.
 - c. While this rehabilitation work is important, it will not eliminate biofilm from returning to the well or remove it from the connected aquifer(s). This means that preventative maintenance is needed once rehabilitation work is complete.
2. Annually:
 - a. Shock chlorinate the well to gradually injure and reduce the presence of biofilm in the well and borehole.
 - b. WQI offers follow up testing to ensure implemented treatments and rehabilitation is sufficient in mitigating biofilm. Given the recommended frequency of well treatment, this can be completed 12 months following initial rehabilitation to assess trends and the need for annual work. This service can be provided upon request.
3. Every 4 to 8 years: Chemically rehabilitate the well to further control/reduce the presence of biofilm in the well. The need for this work would be based on results of routine monitoring to assess effectiveness of preventative maintenance work.

See below for the data trends that informed the above conclusions and recommendations.

Project: Mineral Point Waterworks - Well 3 and Well 4

OVERALL ASSESSMENT AND RESULTS

1. Data patterns indicate that water quality and nutrient conditions in the Well 4 aquifer will promote the natural growth of a carbon cycling type of biofilm in well whereas in Well 3 they will promote the natural growth of a nitrogen cycling type of biofilm in well. These biofilm types are known to cause Microbial Influenced Corrosion (MIC) of metals and minerals if left unmanaged and become thick. It is important to understand the following nutrients and biofilm:
 - a. Nutrients in drinking water are not regulated by the EPA or Wisconsin DNR.
 - b. The source water at Well 3 is missing a necessary nutrient, namely iron, for nitrification and nitrogen cycling. The nitrifying biofilm that forms within the well will seek out necessary sulfur and iron, and cause MIC of the mineralogy, well equipment, and casing.
 - c. The source water at Well 4 is missing a necessary nutrient, namely nitrogen and phosphorus, for carbon cycling. The carbon cycling biofilm that forms within the well will seek out these necessary nutrients and cause MIC of the mineralogy, well equipment, and casing.
 - d. This nutrient issue in the source water is amplified by high water age in the well above the well pump, and by periods of low-use, both of which promote enhanced biofilm growth and MIC.
 - e. Excessive or unmanaged biofilm growth in a well can cause MIC in the well and downstream water system. This issue is currently of elevated concern because of biofilm conditions that have developed in the wells with Well 4 being worse. This issue is of low concern *if periodic maintenance is performed.*
2. Water Quality Data generally indicate the following for the samples from Well 4:
 - a. The excessive increase in microbial occurrence in the borehole sample compared to the aquifer sample is a clear indication that the well contains excessive biofilm.
 - b. Increased concentrations of copper, iron, magnesium, manganese, nickel, phosphorous, and zinc in the borehole sample compared to the aquifer sample clearly indicate that corrosion is occurring in the well and that it is caused by MIC.
 - c. The corrosion risk posed by chemical and MIC can be managed with regular maintenance and well rehabilitation.
3. Water Quality Data generally indicate the following for the sample from Well 3:
 - a. Well 3's Aquifer has an elevated Chloride to Sulfate ratio, indicating an elevated to excessive risk for chemical corrosion in the well and downstream water system. The products of chemical corrosion promote biofilms that perform MIC, resulting in worsened corrosion over time.
 - b. The elevated nitrate and chloride in Well 3 suggest that the well is influenced by a shallow aquifer system.
 - c. The corrosion risk posed by chemical and MIC in Well 3 can be managed with regular maintenance and well rehabilitation.
4. When comparing Well 3 to Well 4:
 - a. Data suggest that the wells are under the influence of different nutrient and water quality conditions yet they both experience similar biofilm issues and have an increased potential for MIC. In wells with similar corrosion concerns, periodic rehabilitation work has generally reduced biofilm and decreased corrosion. Although the conditions within the aquifer(s) supplying Well 3 and Well 4 differ, both wells would benefit from regular maintenance and rehabilitation, including a reduced corrosion potential and increased lifespan of well equipment.
 - b. The difference in water quality between the two wells creates differences in biostability in the water system. This causes biofilm turnover and an increased potential for the release of corrosion products to the water. This and excessive biofilm conditions in the wells are the likely cause of the recent non-compliance with the Lead Copper Rule.

Project: Mineral Point Waterworks - Well 3 and Well 4

5. It is difficult to control the quality of water from the aquifer connected to the well. This means that regular maintenance activities on the wells are needed to achieve the best water quality possible from the wells. Enhanced maintenance of the wells must be performed to prevent biofilm and biofilm-related issues from impacting the well and downstream water system. In addition to well maintenance, Unidirectional Flushing (UDF) of the mains in the water system would improve biostability and reduce corrosion at LCR sample sites.

WELL HISTORY

Mineral Point Well 4 has a history of corrosion issues. In 2021, corrosion of column pipe couplings led to the implementation of measures aimed at mitigating corrosion caused by stray voltage, including epoxy-coated column pipe, chemical rehabilitation of the well, and inspection of the Cathodic Protection system. In 2024, similar corrosion issues returned to Well 4, which led to this investigation. Well 3 was included as part of this investigation due to suspicion that it would experience similar water quality and corrosion issues. It is apparent that the issue in Well 3 is different, though both wells have biofilm and corrosion issues that need to be addressed. It is also apparent that the couplings used with the epoxy coated pipe were not adequately protected to stop crevice corrosion and that the chemical rehabilitation performed in 2021 was not aggressive enough to resolve biofilm issues in the well.

Project: Mineral Point Waterworks - Well 3 and Well 4

Sample Date: 02/25/2025

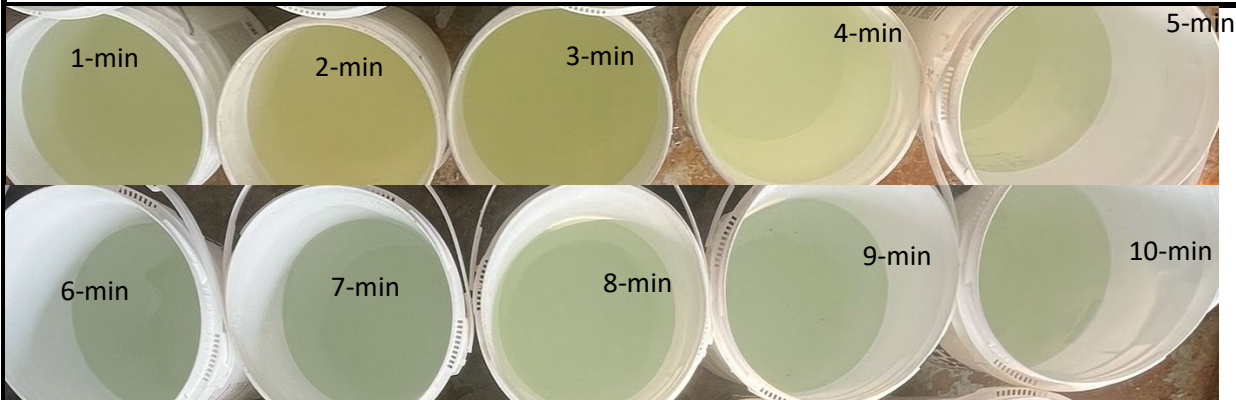
Report Date: 03/12/2025

Sample Name	Sample Description
W4 2 Minutes Borehole	Sample was collected after indicated time of pumping. Sample represents quality of untreated water from the cased and borehole region of the well after a period of non-use.
W4 4 Hours Aquifer	Sample was collected after indicated time of pumping. Sample represents average quality of untreated water from the aquifer(s) connected to the well.
W3 4 Hours Aquifer	Sample was collected after indicated time of pumping. Sample represents average quality of untreated water from the aquifer(s) connected to the well.

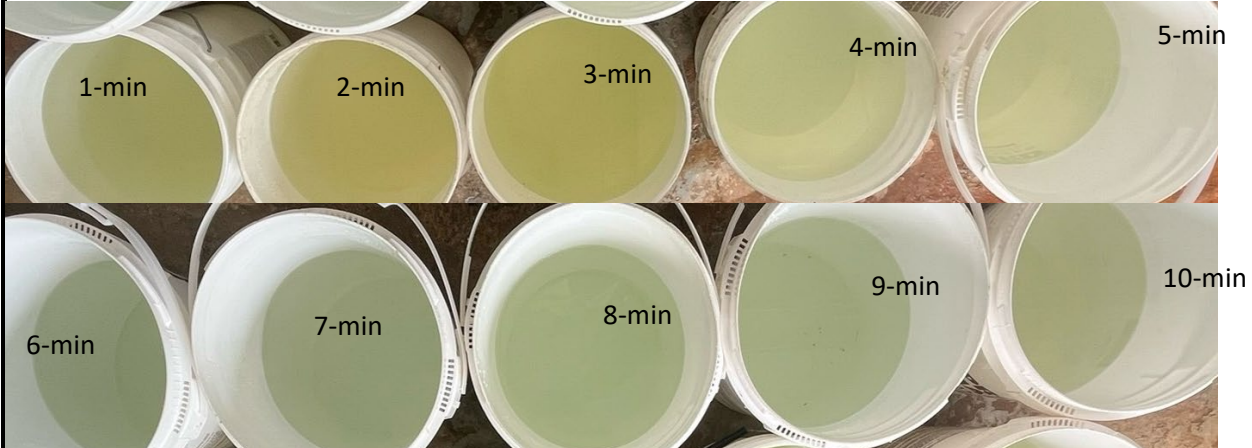
Project Location: Mineral Point, WI

Project: Mineral Point Waterworks - Well 3 and Well 4

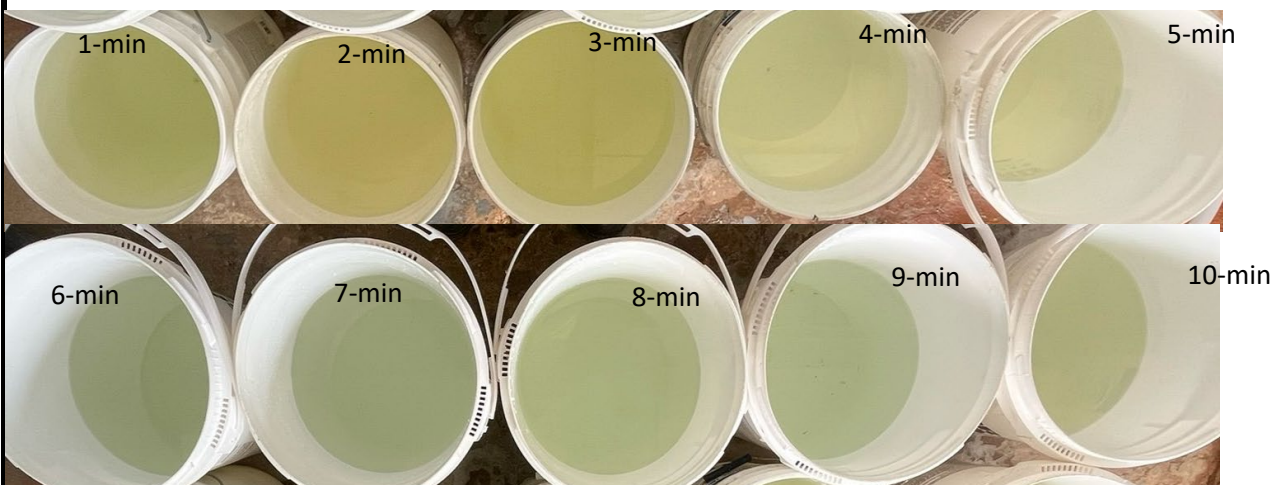
Mineral Point - Well 3



Above: bucket test results without bleach. Discoloration in the 1-5-minute buckets indicates the presence of biofilm and corrosion products in water from the well and nearby aquifer.



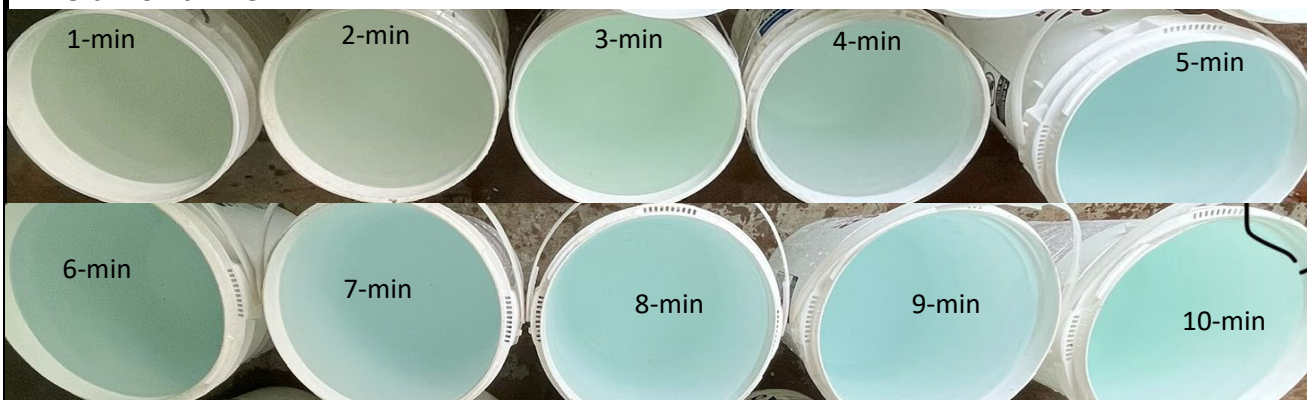
Above: bucket test results without bleach after sitting for 1 hour. There was a minor increase in discoloration over 1 hour, which indicates the presence of dissolved corrosion products in the water that became oxidized in the bucket.



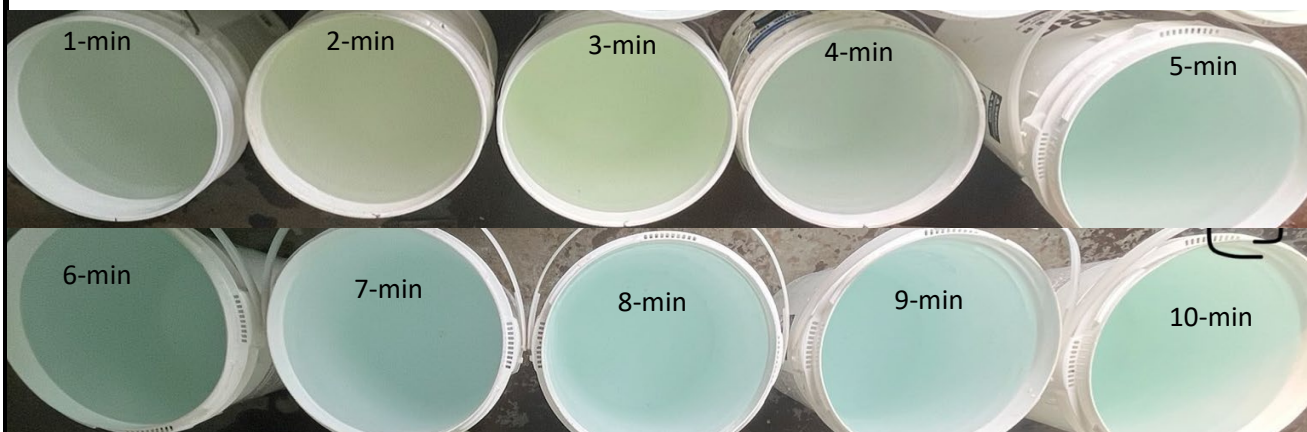
Above: bucket test results with bleach. Discoloration in the buckets generally did not change.

Project: Mineral Point Waterworks - Well 3 and Well 4

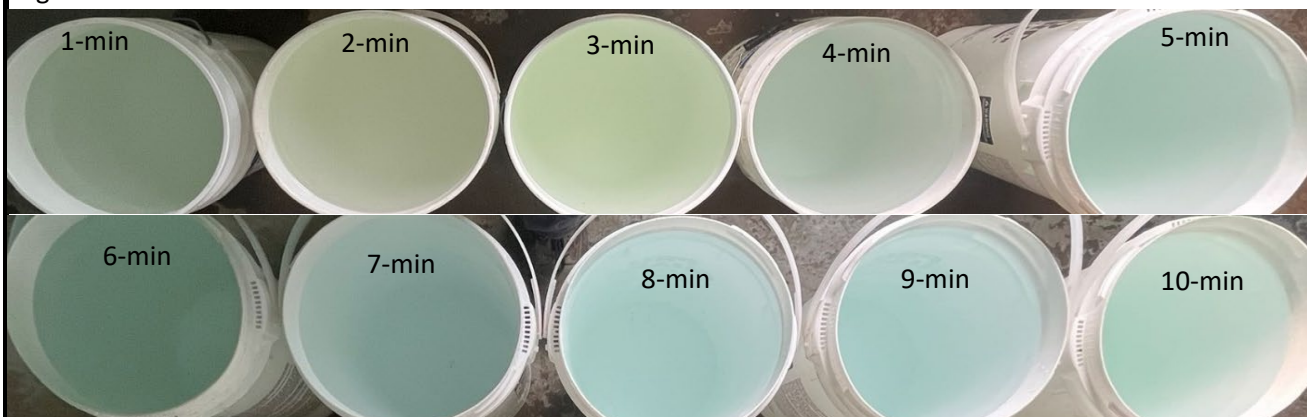
Mineral Point - Well 4



Above: bucket test results without bleach. Discoloration in the 1-2-minute buckets indicates the presence of biofilm and corrosion products in water from the borehole region of the well. Often, a bright blue color (as seen in the 3-10 minute buckets), is associated with nitrate and a nitrifying type biofilm (undesired).



Above: bucket test results without bleach after sitting for at least 1 hour. Deepened color in the 3-4-minute buckets indicates the presence of biofilm and dissolved corrosion products in water from the the borehole region of the well.



Above: bucket test results with bleach. Discoloration in the buckets generally did not change.

Project: Mineral Point Waterworks - Well 3 and Well 4

Overall System Assessment - Sample Comparison Matrix

Data patterns indicate that corrosion issues observed in Well 4 are not caused by stray voltage and are instead a result of water quality and nutrient conditions that promote chemical and Microbial Influenced Corrosion (MIC) of mineralogy and well equipment. Water conditions in the Well 4 aquifer will naturally promote growth of an organic carbon cycling type of biofilm in the well, which can become problematic if not mitigated through routine maintenance. The water is nutrient limited on nitrogen and phosphorus, which will cause MIC of mineralogy, well equipment, and the casing. Conditions in the aquifer supplying Well 4 are slightly different from those observed in Well 3, but both source water qualities will select for MIC and chemical corrosion of mineralogy, well equipment, and the well casing. The elevated chloride in Well 3, which a high chloride to sulfate mass ratio, promotes chemical corrosion, which enhances MIC. Routine maintenance, including well rehabilitation, will help minimize corrosion issues in both wells.

Assessment Parameter	W4 2 Minutes Borehole	W4 4 Hours Aquifer	W3 4 Hours Aquifer
Biofilm Thickness:	excessive	excessive	moderate
Biofilm Instability:	moderate	low	low
Biofilm Nutrient Severity:	moderate	low	moderate
Biofilm-Supporting Debris:	moderate	low	low
Chemical Corrosion Risk:	elevated	moderate	excessive
Lead MIC Corrosion Risk:	elevated	excessive	excessive
Copper MIC Corrosion Risk:	moderate	low	low
Opportunistic Pathogen Potential:	low	low	low
DBP Formation Potential:	low	low	low
Location where issue begins:	Source		

Notes:

This table provides an overall summary of results for each individual sample.
Biofilm stability and thickness are indicators of the potential for biofilm induced water quality and corrosion issues.
Biofilm nutrient severity assesses risk for biofilm formation.
Biofilm supporting debris assesses the presence of debris in the sample.
Chemical corrosion risk assesses the presence of conditions that promote chemical attack, including acidity and ions.
Lead MIC assess the potential for microbiologically influenced corrosion (MIC) of lead containing plumbing materials.
Copper MIC assess the potential for microbiologically influenced corrosion (MIC) of copper containing plumbing materials.
Opportunistic pathogen (OP) risk uses data patterns to assess if conditions exist to harbor OPs in biofilm.
Disinfection byproduct (DBP) formation risk assesses the potential to for DBPs if the water is chlorinated.

Project: Mineral Point Waterworks - Well 3 and Well 4
Biofilm Indication Test (BIT) DATA TABLE

Parameter (unit)	W4 2 Minutes Borehole	W4 4 Hours Aquifer	W3 4 Hours Aquifer
Date Collected (M/D/YY)	2/24/25	2/24/25	2/25/25
ME/mL	169,816	4,126	267
MBP EEM (FI)	63,249	48,403	64,885
DP EEM (FI)	99,273	89,208	166,630
TP EEM (FI)	162,522	137,611	231,515
BCI	1.0	0.7	0.9
ORP (mV)	365	381	350
p.H. (s.u.)	7.93	7.83	7.70
Specific Conductance (uS/cm)	727	714	1,072
AOC_S (mg/L)	0.00	0.00	0.00
Nitrate (mg/L as N)	0.00	0.00	2.88
WQI Protein Assay (mg/L)	0.76	0.47	0.76
Spike Recovery	311%	371%	287%
Dis. Cu Est (µg/L)	2	0	70
Filter Color	2	0	0
Nitrite as N (mg/L)	BDL	BDL	0.00
Phosphate as PO4 (mg/L)	BDL	BDL	BDL
Heterotroph (organic carbon bacteria)	100%	100%	4%
Nitrification (ammonia bacteria)	0%	0%	96%
Est. Life of 1" copper pipe (years)	79	122	112
Net Copper Corrosion Potential (ug/L)	691	209	224
Net Lead Corrosion Potential (ug/L)	9	23	30
Total Copper Corrosion Potential (ug/L)	1,658	1,076	1,171
Total Lead Corrosion Potential (ug/L)	203	191	240

Note: For a set of samples, results would not change by more than 5% unless biofilm were present.

Project: Mineral Point Waterworks - Well 3 and Well 4

Biofilm Activity Test (BAT)

DATA SEVERITY INDEX SUMMARY

Parameter	W4 2 Minutes Borehole	W4 4 Hours Aquifer	W3 4 Hours Aquifer
Date Collected (M/D/YY)	2/24/25	2/24/25	2/25/25
DSI: PO4	7.2	6.6	6.8
DSI: Sulfur	8.0	8.2	6.8
DSI: Complex OA	2.0	2.1	1.6
DSI: Simple OA	1.1	0.9	0.9
DSI: Protein Degrade	4.7	4.4	3.4
DSI: Simple Sugar	1.9	1.3	1.6
DSI: Ammonia and/or Protein	6.8	5.7	6.0
DSI: Biofilm Degrade	3.9	3.7	5.3
DSI: Iron/Metal Deficit	1.3	1.4	1.0
MSI: PO4	0.0	0.3	0.0
MSI: Sulfur	6.8	7.7	7.7
MSI: Complex OA	4.4	5.8	4.3
MSI: Simple OA	3.0	3.0	2.9
MSI: Protein Degrade	4.8	4.8	4.2
MSI: Simple Sugar	0.0	0.2	0.0
MSI: Ammonia and/or Protein	3.4	2.6	2.7
MSI: Biofilm Degrade	0.6	0.4	0.7

Note: For a set of samples, results would not change by more than 5% unless biofilm were present.

DSI: Severity index for decay related BAT components

MSI: Severity index for metabolism related BAT components

Acceptable:	
Moderate Concern:	
Elevated Concern:	
Excessive Concern:	



Project: Mineral Point Waterworks - Well 3 and Well 4

**CHEMICAL WATER QUALITY DATA: Metals,
Inorganics, and Nutrients**

Parameter	W4 2 Minutes Borehole	W4 4 Hours Aquifer	W3 4 Hours Aquifer	Units	LOD
Alkalinity, tot. as CaCO ₃	320	320	330	mg/L	1.0
Aluminum, tot.	BDL	BDL	BDL	mg/L	0.0090
Antimony, tot.	BDL	BDL	BDL	ug/L	0.32
Arsenic, tot.	BDL	BDL	BDL	ug/L	1.1
Barium, tot.	11	12	41	ug/L	0.20
Cadmium, tot.	BDL	BDL	0.25	ug/L	0.12
Calcium, tot.	80	80	110	mg/L	0.13
Chloride, tot.	11	11	84	mg/L	0.32
Chromium, tot.	BDL	BDL	BDL	ug/L	1.2
Cobalt, tot.	1.5	1.3	1.9	ug/L	0.030
Copper, tot.	3.7	BDL	2.1	ug/L	0.69
Hardness, tot. as CaCO ₃	450	390	490	mg/L	0.099
Iron, tot.	1.3	0.048	BDL	mg/L	0.044
Lead, tot.	0.26	BDL	BDL	ug/L	0.25
Magnesium, tot.	61	47	53	mg/L	0.024
Manganese, tot.	14	9.4	18	ug/L	0.50
Molybdenum, tot.	3.5	2.0	BDL	ug/L	0.57
Nickel, tot.	5.5	4.9	7.3	ug/L	0.40
Nitrogen, Ammonia as N, tot.	BDL	BDL	BDL	mg/L	0.039
Nitrogen, NO ₂ and NO ₃ as N, tot.	BDL	BDL	3.2	mg/L	0.064
Phosphorus, tot.	0.043	BDL	0.042	mg/L	0.042
Potassium, tot.	0.72	0.75	1.9	mg/L	0.060
Silicon, tot.	4600	4900	6000	ug/L	18
Sodium, tot.	3.4	4.0	38	mg/L	0.14
Strontium, tot.	53	52	66	ug/L	0.31
Sulfate, as SO ₄	55	48	87	mg/L	0.61
Tin, tot.	BDL	BDL	BDL	ug/L	1.5
Total Organic Carbon (TOC)	0.58	0.52	0.85	mg/L	0.27
Turbidity	2.0	BDL	BDL	NTU	0.50
Zinc, tot.	35	13	160	ug/L	1.8

NT = Not Tested; BDL = Below Detection Limit; **RED** values = exceeds a standard

Note: For a set of samples from a given system, water quality would not change by more than 5% unless biofilm were present.

Project: Mineral Point Waterworks - Well 3 and Well 4
Sample Lab ID: 2025-02-25_A-02
Analysis Date: 02/25/2025
Collection Date: 02/24/2025
Sample Name: W4 2 Minutes Borehole

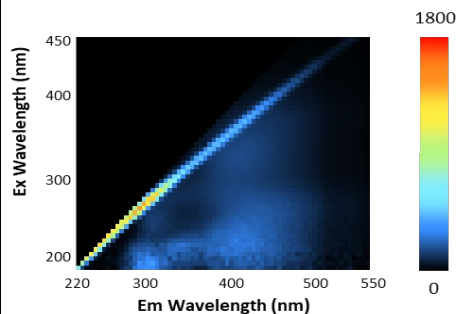
Overall Sample Assessment

Sample location shows elevated concern for water quality and corrosion issues. Recommendations to address issues noted below are located in the Summary Assessment section at the front of this document.

Assessment Parameters	Value	Assessment Comment
Biofilm Thickness:	excessive	Increased biofilm thickness is associated with biofilm-related issues.
Biofilm Instability:	moderate	Acceptable
Biofilm Nutrient Severity:	moderate	Acceptable
Biofilm-Supporting Debris:	moderate	Acceptable
Chemical Corrosion Risk:	elevated	Inorganic components within water are promoting corrosion.
Lead MIC Corrosion Risk:	elevated	Biological factors could cause corrosion of lead containing materials.
Copper MIC Corrosion Risk:	moderate	Acceptable
Primary MIC Cause:		Bacteria looking for needed sulfur for protein synthesis, nitrification
DBP Formation Potential:	low	Desired
Opportunistic Pathogen Potential:	low	Desired



Filter Picture (above)



EEM (left) - A visual representation of microbially secreted compounds present in the bulk water. If biofilm were minimal or absent, this image would be blank and would not change between sample location and entry point or source water location. Scale bar to right shows excessive EEM fluorescence intensity (red) to no EEM (black).

Project: Mineral Point Waterworks - Well 3 and Well 4
Sample Lab ID: 2025-02-25_A-03
Analysis Date: 02/25/2025
Collection Date: 02/24/2025
Sample Name: W4 4 Hours Aquifer

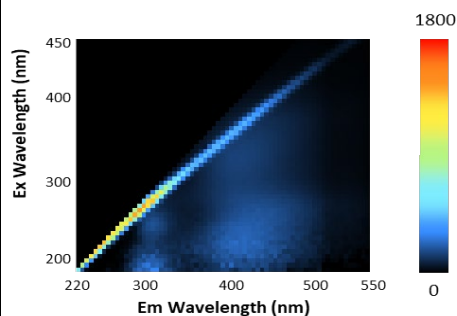
Overall Sample Assessment

Sample location shows moderate concern for water quality and corrosion issues. No general actions needed. Specific actions may be needed to correct issues.

Assessment Parameters	Value	Assessment Comment
Biofilm Thickness:	excessive	Increased biofilm thickness is associated with biofilm-related issues.
Biofilm Instability:	low	Desired
Biofilm Nutrient Severity:	low	Desired
Biofilm-Supporting Debris:	low	Desired
Chemical Corrosion Risk:	moderate	Acceptable
Lead MIC Corrosion Risk:	excessive	Biological factors could cause corrosion of lead containing materials.
Copper MIC Corrosion Risk:	low	Desired
Primary MIC Cause:		Bacteria looking for needed sulfur for protein synthesis, nitrification
DBP Formation Potential:	low	Desired
Opportunistic Pathogen Potential:	low	Desired



Filter Picture (above)



EEM (left) - A visual representation of microbially secreted compounds present in the bulk water. If biofilm were minimal or absent, this image would be blank and would not change between sample location and entry point or source water location. Scale bar to right shows excessive EEM fluorescence intensity (red) to no EEM (black).

Project: Mineral Point Waterworks - Well 3 and Well 4
Sample Lab ID: 2025-02-25_A-07
Analysis Date: 02/25/2025
Collection Date: 02/25/2025
Sample Name: W3 4 Hours Aquifer

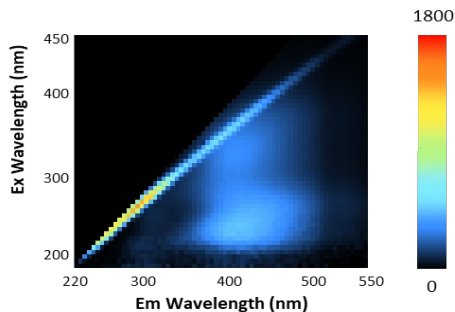
Overall Sample Assessment

Sample location shows moderate concern for water quality and corrosion issues. No general actions needed. Specific actions may be needed to correct issues.

Assessment Parameters	Value	Assessment Comment
Biofilm Thickness:	moderate	Acceptable
Biofilm Instability:	low	Desired
Biofilm Nutrient Severity:	moderate	Acceptable
Biofilm-Supporting Debris:	low	Desired
Chemical Corrosion Risk:	excessive	Inorganic components within water are promoting corrosion.
Lead MIC Corrosion Risk:	excessive	Biological factors could cause corrosion of lead containing materials.
Copper MIC Corrosion Risk:	low	Desired
Primary MIC Cause:		Bacteria looking for a missing metal
DBP Formation Potential:	low	Desired
Opportunistic Pathogen Potential:	low	Desired



Filter Picture (above)



EEM (left) - A visual representation of microbially secreted compounds present in the bulk water. If biofilm were minimal or absent, this image would be blank and would not change between sample location and entry point or source water location. Scale bar to right shows excessive EEM fluorescence intensity (red) to no EEM (black).



Summary Report Explanation Page

- BIT™ = Biofilm Indication Test® (assesses the presence of biofilm and whether it is stressed or happy)
- BAT™ = Biofilm Activity Test® (assesses the activity of biofilm and which nutrients it is using or recycling)
- SI = Severity Index on a scale of 0 (good) to 10 (poor)
- Biofilm: A layer of diverse bacteria on a surface that have grown to form a colony. Biofilm attaches to a surface with a slime layer that protects the bacteria/colony from stress, including disinfection. Biofilm naturally grows inside of water distribution system mains, water treatment systems, plumbing, hot water heaters, softeners, process piping, fountains, groundwater wells, and more. Bacteria found in biofilms are typically harmless (but not always). Biofilm in a water system becomes a problem when conditions allow it to grow so thick that the bacteria can change the quality of the water or cause microbial induced corrosion. Thick biofilm can corrode plumbing fixture to increase metals in the water (such as lead and copper), cause an increase in disinfection demand and the formation of disinfection byproducts, and/or cause taste and odor complaints. Thick biofilms can also harbor opportunistic pathogens such as Legionella.
- ME = Microbial Equivalents: Estimate of total microbial occurrence in sample volume based on measurement of ATP present. Does not estimate ME in biofilm only ME in bulk water. Samples from a drinking water system with greater than 500 ME/mL have elevated microbial occurrence and are likely to be affected by microbial biofilms. In certain waters, low ME indicates the presence of an excessively thick biofilm because of stressful conditions.
- ORP = Oxidation Reduction Potential: A relative measure of the concentration of dissolved energy-bearing nutrients in the water, and/or is an indicator of an adequate disinfectant residual or disinfection conditions.
- pH = measure of acidity: pH of a sample is highly dependent on geology, aquifer/sediment/mineral chemistry, water source, the type of chemical/disinfectant used, and the type of microbial activity present. Change in pH can be caused by acid producing biofilm and certain bacterial metabolisms.
- Specific conductance: Estimate of the concentration of dissolved ions present in the water.
- AOC_S: A surrogate estimate of dissolved assimilable organic carbon present in the water, which is a subset of total organic carbon. Can be used to assess the presence of biofilm and biofilm-produced organic molecules.
- EEM = Excitation Emission Matrix: Provides information on the type of fluorescing organic carbons present in water (food for microbial growth and/or microbial created products) and/or exposure of water to biofilm. In general, the greater the EEM, the greater the starved biofilm presence was in the system sampled, with the proportion of each type of EEM indicating the underlying cause of biofilm.
- MBP = Microbial ByProducts EEM: Metabolic by products excreted by actively respiring microorganisms in water and biofilm. High levels create the potential for microbial induced corrosion. Units = FI (fluorescence intensity)
- DP = Decay Products EEM: Products caused by the decay of organic matter and/or biofilm. High levels indicate the presence of decaying organic matter and/or biofilm attempting to cause decay. Units = FI (fluorescence intensity)
- TP = Total Products EEM: Total of microbial produced compounds and fluorescing organic matter in water. Units = FI (fluorescence intensity)
- BCI = Biofilm Corrosivity Index: Assessment of biofilm's ability to cause corrosion of aquifer, equipment and/or plumbing materials. As BCI increases, the potential for microbial induced corrosion increases. A biofilm sloughing event could cause a spike in ME and BCI.
- BDL = Below Detection Limit.
- Filter Color: Color of filters used to process the samples is used to gauge the presence of biofilm and/or sloughed material in the water samples. All filters begin as white.
- Iron/Metal Limitation: Assesses the presence of bacterial molecules searching for needed metals for activation of metabolism related processes.
- Protein Assessment: Biofilms that are stressed often secrete proteins to alleviate stressful conditions. Stressors include a nutrient imbalance, disinfection and/or a change in nutrient conditions. Biofilm with excessive protein production can harbor Legionella.
- BAT MSI is a severity index that assesses the presence of biologically active molecules secreted by a metabolically active layer of biofilm. This can be a thin biofilm or the top layer of a thick biofilm.
- BAT DSI is a severity index that assesses the presence of biological molecules secreted by biofilm that is thick and has decay occurring.

Please prepare a price proposal as generally broken down below for performing all work described in the attached Well Rehabilitation Plan. Final payments will be for actual work performed.

Proposal due date: April 28, 2025.

Base Work Prices

Item	Description	Qty	Unit	Unit Price	Total
1	Step 1 through 3. Project mobilization, initial pump test and pull and inspect pumping equipment	1	L.S.	\$	\$
2	Step 1 and 3. Televise well	2	each	\$	\$
3	Step 2. Detonation Cord Mechanical Treatment	2	each	\$	\$
4	Step 2. Brushing mechanical treatment of the well with acid treatment; bailing	1	L.S.	\$	\$
5	Step 4 through 7. Setup and removal of chemical rehabilitation and treatment equipment	1	L.S.	\$	\$
6	Step 4. Initial purge of well prior to acid treatment	2	hour	\$	\$
7	Step 4. Perform acid treatment of well – initial strength treatment	2	each	\$	\$
8	Step 4. Perform acid treatment of well – supplemental dose treatment	1	each	\$	\$
9	Step 5. Perform chlorine treatment of the well – initial strength treatment	2	each	\$	\$
10	Step 5. Perform chlorine treatment of the well – supplemental dose treatment	1	each	\$	\$
11	Step 6. Perform chlorine-based treatment of well – initial strength treatment	2	each	\$	\$
12	Step 6. Perform chlorine-based treatment of well – supplemental dose treatment	1	each	\$	\$
13	Steps 4 thru 6. Intermediate purge	6	each	\$	\$
14	Step 7. Final Purge	1	each	\$	\$
15	Step 7. Reinstall Owner's pump and equipment, including necessary equipment preparation work	1	L.S.	\$	\$
16	Step 7. Final pump test, recycle line reinstallation, final disinfection, and final flushing	1	L.S.	\$	\$
17	Step 7. Obtain safe sample and return well to service	1	L.S.	\$	\$
			Total		\$

Supplemental Item Prices

The following supplemental prices are for additions to or deductions from the work, as needed based on results reported during the rehabilitation process, to replace worn or damaged equipment, or to upgrade the installation.

Item	Description	Qty	Unit	Unit Price
S1	Inhibited HCl added to/subtracted from treatment	1	Gal.	\$
S2	Sodium Hypochlorite added to/subtracted from treatment	1	Gal.	\$
S3	Clearitas 101 added to/subtracted from treatment	1	Gal.	\$
S4	Glycolic acid added to/subtracted from treatment	1	Gal.	\$
S5	Additional brushing mechanical treatment, 40 passes	1	each	\$
S6	Replace pump (match existing design)	1	L.S.	\$
S7	Rebuild existing pump	1	L.S.	\$
S8	Replace Oil Tube bearing – 2-1/2" x 1-1/2" brass	1	each	\$
S9	5-foot section, Schedule 40 threaded and coupled, 8-inch column pipe, epoxy coated inside and outside	1	each	\$
S10	10-foot section, Schedule 40 threaded and coupled, 8-inch column pipe, epoxy coated inside and outside	1	each	\$
S11	5-foot section, Schedule 80 threaded and coupled, 2.5-inch oil tube pipe, epoxy coated inside and outside	1	each	\$
S12	Conversion of pump installation from oil lube to water lube	1	L.S.	\$

Mechanical and Chemical Well Rehabilitation Plan**Mineral Point Well #4, WUWN BF965 (1972 construction, 1985 reconstruction)****April 14, 2025 (Revision 1)****SECTION 1: GENERAL****Scope:**

Rehabilitation of the well consists of mechanical treatment followed by chemical treatment. All chemicals used shall be NSF 60 certified. All materials used shall be NSF 61 certified. All work shall be performed in accordance with Wisconsin DNR Regulations and approvals. The scope of work generally consists of the following steps:

1. Initial pump test
2. Pump removal and well component inspection
3. Well televising
4. Mechanical treatment of the well
5. Well televising after mechanical treatment (optional – subject to deletion to meet budget)
6. Acid treatment of the well
7. Chlorine treatment of the well
8. Chlorine-based treatment of the well
9. Intermediate and final purging of treatments from the well
10. Reinstallation of Owner's Pump
11. Final chlorination of the well
12. Perform a post-treatment pump test
13. Recycle line installation
14. Test the well, obtain safe samples, and put the well back into service

Well Details:

1. Pump:
 - a. Oil tube line shaft pump, Model Simmons SP10h 11-stage, designed for 500 gpm at 594 feet TDH (rebuilt in 2021).
 - b. Motor is 100 hp, 1750 rpm (refurbished in 2021)
 - c. Right angle drive backup operation
 - d. Stainless steel shaft, 1-1/2 inch diameter
 - e. 2-1/2 inch diameter oil tube – 5-foot lengths, threaded and coupled, epoxy coated (replaced in 2021).
2. Column Pipe = 8-inch diameter, epoxy coated (replaced in 2021)
3. Pump Setting = 405 feet
4. Static Water Level = 148 feet (verify)
5. Cased depth
 - a. 30-inch steel from surface to 16 feet (temporary outer casing not removed)
 - b. 16-inch steel from surface to 163 feet (installed 1972)
 - c. 12-inch liner from surface to 401.5 feet (installed 1985)
6. Total well depth = 805 feet
 - a. 15-inch diameter open borehole from 402 feet to 635 feet (wider than liner)
 - b. 12-inch diameter open borehole from 635 feet to 805 feet **(120 feet of 2" PVC tremie left in well below 662 feet)**
7. Borehole volume = 4,060 gallons
8. Treatment volume = 6,100 gallons (1.5 borehole volumes)

Mechanical Treatment Details:

Initial mechanical treatment of the well occurs prior to chemical treatment to increase the effectiveness of biofilm removal and subsequent chemical treatment. General details of the mechanical treatment step include the following:

1. Detonation cord (DC) mechanical cleaning of the lower borehole.
 - a. Perform DC treatment of the borehole from 425 feet (25 feet below the casing) to the bottom.
 - b. Use 200 grain detonation cord from 425 feet to 805 feet.
 - c. Perform DC treatment twice, sounding the well between each treatment to make sure there is not a bridge in the well.
2. Mechanical brushing of cased region with acid:
 - a. Mechanical treatment involves use of a steel-bristle brush that fully contacts the inner circumference of the cased region of the well.
 - b. Brush the full depth of casing for a minimum of 40 passes each. A single pass includes one cycle of brushing in the well, from near the top of the casing (10 feet) to the bottom (402 feet) and back to the top.
 - c. Add 29 gallons of inhibited NSF 60 20-degree Baume Hydrochloric Acid (31% strength) mixed with 1,400 gallons of water just prior to start of brushing to assist with loosening and removing scale and biofilm in the cased region. Ensure the well house is properly ventilated as chemical treatment may give off a sulfide smell or volatile organic vapors, which may be hazardous to health.
3. Bail debris **and shattered PVC pipe** from well, discharging to a tank or sheeting for solids collection and disposal. Neutralize as necessary using caustic soda. When bailing, operate bailer to prevent issues with the borehole transition from 15-inch diameter to 12-inch diameter at about 635 feet.

Mixing Details:

Install a tremie to the bottom of the well before chemical treatment of the well for use in mixing and monitoring of rehabilitation chemicals. General details of this step include the following:

1. Install a temporary 200 gpm pump in the well, set at about 40 feet below static water level, with 3-inch discharge to the surface.
2. Install a 3-inch tremie from the surface to the bottom of well, which will be used for chemical recirculation in the well. This tremie could also be used for airlifting of debris from the well. The tremie should be made of steel to prevent damage or loss caused by the narrower diameter lower borehole and the crookedness of the well.
3. On the 3-inch surface piping, install a check valve, throttling valve, smooth sample tap, flow meter, and chemical injection taps, then a connection to the tremie to the bottom of the well.
4. When mixing and injecting chemical treatment in the well:
 - a. Throttle the flow or operate the temporary pump using a VFD to control flow rate at approximately 175 gpm (mixing rate).
 - b. Discharge 150 gpm to the bottom of the well through the tremie.
 - c. Free-fall about 25 gpm to above the pump.
 - d. Mixing Cycle = 23 minutes (time to turn over one well volume with mixing)

Chemical Treatment Details:

Chemical treatment of the well consists of an acid treatment step, chlorine treatment step, and a chlorine-based treatment step. General details of the chemical treatment steps include the following:

1. Ensure the well house is properly ventilated as chemical treatment may give off a sulfide smell or volatile organic vapors, which may be hazardous to health.

2. Treat 1.5 borehole volumes when treating the entire well to target treatment of the well and nearby aquifer. Chemical injection will be a two-step process:
 - a. Inject the first single borehole volume of chemical during mixing of the borehole to achieve the specified concentration over one borehole recirculation time, which is the mixing interval.
 - b. Inject the remaining treatment volume of chemical into the well to treat the nearby aquifer with the recirculation pump off, injecting chemical into water added to the well from the system. Add water to the well at the same rate that water was being recirculated in the well (175 gpm).
 - c. The chemical injection rate for each chemical for designated mixing rate is equal to the required chemical volume divided by borehole volumes treated divided by the mixing interval.
3. Monitor chemical usage and observations on the **attached data form**.
4. Pending observations from each treatment step, chemical strength may be adjusted for subsequent steps using supplemental prices provided on the bid form to adjust the cost for the applied treatment.

Intermediate Purging Details:

General details of this step include the following:

1. For those steps requiring a purge of the chemical treatment from the well, purge at least five borehole volumes (about 1.7 hours at 200 gpm), to sanitary sewer. Once water clarity improves to a suspended solids concentration of less than 40 mg/L, water can be purged to a grass swale or where authorized by the regulatory agency, neutralizing as necessary.
2. Neutralize acidity, if pH below 6.0 su, with caustic soda.
3. Neutralize remnant free chlorine, if any, with sodium bisulfite or sodium thiosulfate.
4. When purging the well, add 150 gpm of system water to the tremie and free-fall 25 gpm into the well above the pump for the first 30 minutes of purging. This approach will ensure the entire borehole is rapidly purged of remnant chemical and discolored water.
5. Purging shall be in accordance with DNR regulations and the City of Mineral Point WPDES Discharge Permit.

Final Purging Details:

After chemical treatment is complete and the intermediate purge performed, pump the well to waste for 24 hours with Owner's pump reinstalled to a grass swale or storm sewer. Purging shall be in accordance with DNR regulations and the City's WPDES Discharge Permit.

Pump, Column Pipe, Oil Tube and Tail Pipe:

For replacement of the column pipe, oil lube tube and tail pipe, as determined by the inspection report or selected by the Owner, materials shall conform with the following:

1. Column and tail pipe: ASTM A53 Grade B seamless, Schedule 40, 8-inch diameter, interior and exterior of pipe and exterior of couplings epoxy coated in accordance with AWWA C210.
2. Disposal of existing column pipe, oil lube tube and accessories.
3. Pipe thread lubricant shall be fully wetting PTFE, NSF 61 certified, and field applied to both coupling faces to reduce the potential for crevice corrosion.

The oil used for pump tube lubrication shall be an NSF/ANSI Standard 61 approved mineral oil.

Supplemental price for conversion of the pump installation from oil lube to water lube, shall include all costs to perform the following:

1. Remove existing water lube stuffing box and convert to water lube
2. 8" x 2" stainless steel water lube drop-in spider w/ replaceable 1 ½" rubber bearings
3. Brass adapter bushing for oil lube to water conversion

4. Electrical time delay relay, 120 volt solenoid, copper piping and fittings, and relay logic for prelube line installation.
5. Reuse of existing 1 ½" diameter stainless steel shafts

Supplemental price for rebuilding the existing pump shall include all costs to tear down and reassemble the pump with new brass wear rings, new shaft bearings and new impeller skirts trimmed to manufacturer specifications, complete.

SECTION 2 – EXECUTION

Step 1: Initial Pump Test, Pump Pull, Televising, and Geophysical Logging

1. Perform an initial pump test for one hour with the Owner's pump in the well to document initial pumping conditions. Note discharge rate, discharge pressure and drawdown every 5 minutes for the first 15 minutes, then every 15 minutes thereafter.
2. Pull well pump. Collect mineral oil from the oil lube tube and properly dispose of. When pulling pump, prevent mineral oil from entering the well.
3. Inspect discharge fittings, pump, column pipe, couplings, and other related materials for wear and corrosion.
 - a. Provide pictures of the column pipe and oil lube tube and fittings, especially below the pumping water level.
 - b. Obtain scrapings of the column pipe and ship to WQI for a mineral and biofilm assessment. Discuss with WQI to determine if changes are needed to the treatment process. Assessment of this material will help determine the extent of acid treatment that will be required and the potential for ongoing issues.
 - c. Pressure wash column pipe (inside and outside) and oil lube pipe (outside), spiders and pump to remove biofilm and scale and to allow for inspection (unless obviously damaged and in need of replacement).
 - d. Inspect equipment. Provide inspection report and recommendations within 3 business days of pump removal for determination of need to replace or rebuild and if the pump install will be converted to water lube.
4. Televis the well to assess/document the current condition of the casing and borehole regions. Video shall be in color format with good focus and clarity to adequately allow determination of scale presence in the cased region, scale coloration and severity, integrity of casing welds and of the casing grout seal, and borehole minerology and borehole accumulations. Contractor to hold the camera stationary while televising to identify natural movement that would indicate fracture flow in the well under static conditions and which direction the flow moves (up, down or cross). Provide a video file in digital format for records.

Step 2: Mechanical Treatment

1. Mechanically treat the well as described in the Mechanical Treatment Details of the General Section.
2. Perform DC treatment prior to mechanical brushing treatment and bailing.
3. After completion of mechanical treatment, install the temporary pump to be used for chemical treatment work as described in Mixing Details in the General Section. Install this pump after Step 3 televising, if required.

Step 3: Televising Post Mechanical Treatment (Optional)

1. If deemed necessary by the Engineer, televise the well to assess/document the condition of the casing and borehole region after completion of the mechanical treatment. Add at least 10,000 gallons of system water to the well prior to televising to provide adequate clarity for assessing the condition of the casing. As needed, add water during televising to provide needed clarity. Video shall be in color format with good

focus and clarity to adequately allow determination of scale presence in cased region, scale coloration and severity, integrity of casing welds and of the casing grout seal, and material left in the bottom of the well.

2. Provide a video file in digital format for records.

Step 4: Acid Treatment Step (minimum 24 hours contact time)

1. Prior to chemical addition, add water to the tremie from the water system at about 200 gpm and pump the well to waste at 200 gpm to clear loose debris and biofilm from the well that was not removed with bailing. Perform this for 2 hours, adding about 24,000 gallons. Discharge this water into the sanitary sewer. If water is still excessively turbid after 2 hours, extend this initial purge for another hour.
2. Chemicals:
 - a. NSF 60 20-degree Baume Hydrochloric Acid (HCl) (31% strength) – 9,600 mg/L dose
 - b. 70% NSF 60 glycolic acid – 9,600 mg/L dose
 - c. Initial strength treatment – pH of about 0.7 su:
 - i. 189 gallons of 31% HCl (injection rate = 5.4 gpm into 175 gpm of mixed and added water)
 - ii. 84 gallons of 70% glycolic acid (injection rate = 2.4 gpm into mixed and added water)
 - iii. 5,827 gallons of well water and supplemental system water
 - d. Supplemental strength treatment
 - i. 95 gallons of inhibited HCl (injection rate = 4.1 gpm into 175 gpm of mixed water)
 - ii. 42 gallons of 70% glycolic acid (injection rate = 1.8 gpm into 175 gpm of mixed water)
3. Add the initial strength treatment to the well. Mix the well continuously during working hours, monitoring pH and odor every 24 minutes of mixing (once per mixing cycle). Let the well sit unmixed overnight. Measure pH using a calibrated pH sensor.
 - a. For odor assessment, waft the sample (**don't directly sniff**) to determine if it has a fruity, sweet, musty, pungent, "swimming pool" or metallic odor.
 - b. If pH rises above 3 su within the first eight (8) hours of mixing an initial strength treatment, at the time point of pH rise above 3 su, add supplemental treatment over one mixing interval and continue to mix and monitor for an additional 24 hours.
 - c. If pH rises above 3 su within the first eight (8) hours of mixing a supplemental treatment, or if the solution becomes excessively dirty, perform an intermediate purge and re-dose the well with a fresh batch of initial strength treatment.
 - d. When pH stays below 3 su for 24 hours, treatment is complete. Perform an intermediate purge and neutralize as necessary.

Step 5: Chlorine Treatment Step (minimum 24 hours contact time)

1. Chemicals:
 - a. 12.5% strength NSF 60 NaOCl
 - b. Initial strength treatment – 3,000 mg/L dose:
 - i. 146 gallons of 12.5% NaOCl (injection rate = 4.2 gpm into mixed and added water)
 - ii. 5,954 gallons of well water and supplemental system water
 - c. Supplemental strength treatment:
 - i. 73 gallons of 12.5% NaOCl (injection rate = 3.2 gpm into mixed water)
2. Add initial strength treatment to the well. Mix the well continuously during working hours, monitoring pH, odor, and free and total chlorine residual once per mixing cycle. Measure chlorine residual using a calibrated device or high range and low range test strips to report to the nearest 100 mg/L of total chlorine and free chlorine.

- a. For odor assessment, waft the sample (**don't directly sniff**) to determine if it has a fruity, sweet, musty, pungent, "swimming pool", or metallic odor.
- b. If free chlorine drops below 300 mg/L within the first four (4) hours of mixing an initial strength treatment:
 - i. If no color is present, add an initial strength treatment over one mixing interval.
 - ii. If water is yellow or excessively dirty, continue mixing until chlorine is completely consumed and perform an intermediate purge of the treatment from the well. Retreat the well with an initial strength treatment.
- c. If free chlorine drops below 300 mg/L within the first eight (8) hours of mixing an initial strength treatment:
 - i. If no color is present, add supplemental strength treatment over one mixing interval.
 - ii. If water is yellow or excessively dirty, continue mixing until chlorine is completely consumed and perform an intermediate purge of the treatment from the well. Retreat the well with one half of an initial strength treatment, adding the treatment over one mixing interval.
- d. When free chlorine stays above 300 mg/L for 24 hours, treatment is complete. Perform an intermediate purge of the well.

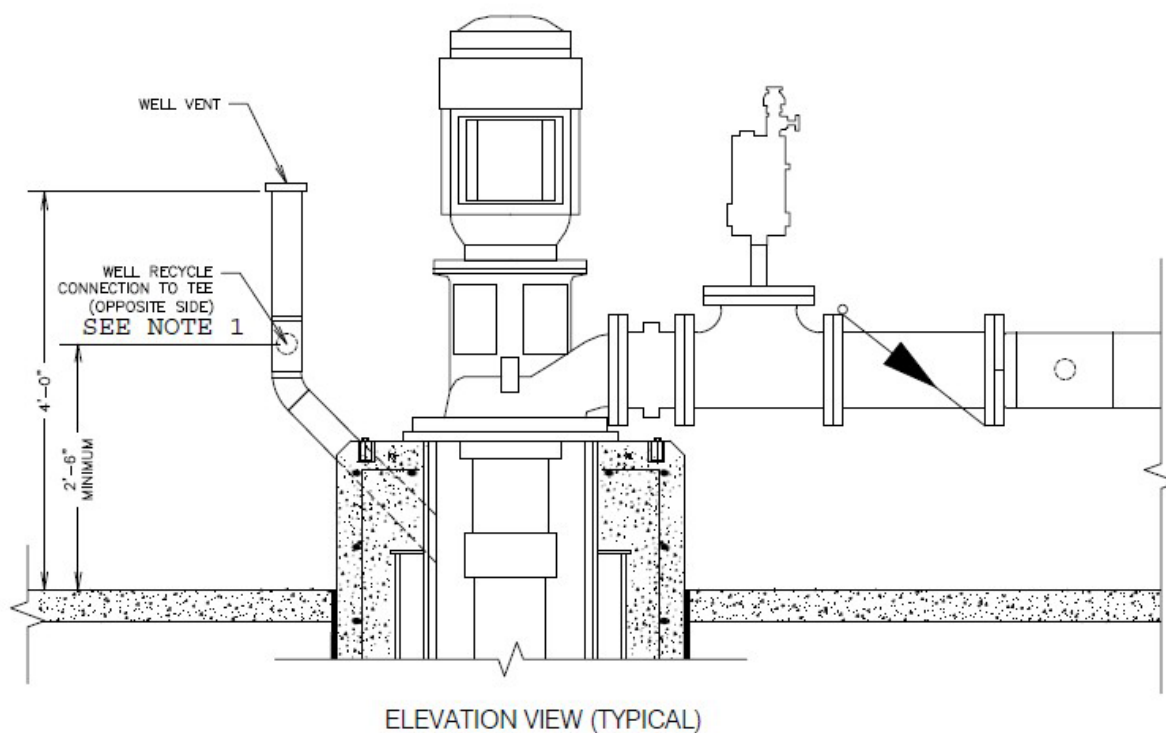
Step 6: Chlorine-Based Treatment Step: Chlorine, Glycolic, and Clearitas (minimum 24 hours contact time)

1. Chemicals:
 - a. 12.5% NSF 60 NaOCl – 2,000 mg/L dose
 - b. Clearitas 101, Blue Earth Products, NSF 60 – 10,000 mg/L dose
 - c. 70% NSF 60 glycolic acid – 4,000 mg/L dose
 - d. Initial strength treatment – final mixture should have a pH of about 4 su:
 - i. 98 gallons of 12.5% NaOCl (injection rate = 2.8 gpm into mixed and added water)
 - ii. 35 gallons of 70% glycolic acid (injection rate = 1.0 gpm into mixed and added water)
 - iii. 61 gallons Clearitas 101 (injection rate = 1.8 gpm into mixed and added water)
 - iv. 5,907 gallons of well water and supplemental system water
 - e. Supplemental strength treatment:
 - i. 49 gallons of 12.5% NaOCl (injection rate = 2.1 gpm into mixed water)
 - ii. 18 gallons of 70% glycolic acid (injection rate = 0.80 gpm into mixed water)
2. Add initial strength treatment to the well. Mix the well continuously during working hours, monitoring pH, odor, and free and total chlorine residual once per mixing cycle. Measure pH using a calibrated pH sensor. Measure chlorine residual using a calibrated device or high range and low range test strips to report to the nearest 100 mg/L of total chlorine and free chlorine.
 - a. For odor assessment, waft the sample (**don't directly sniff**) to determine if it has a fruity, sweet, musty, pungent, "swimming pool" or metallic odor.
 - b. If free chlorine drops below 300 mg/L within the first 8 hours of mixing an initial strength treatment:
 - i. If pH is below 6 su and minimal or no color is present, add supplemental strength treatment over one mixing interval.
 - ii. If pH is above 6 su or the water is yellow or excessively dirty, continue mixing until chlorine is completely consumed and perform an intermediate purge of the treatment from the well. Retreat the well with an initial strength treatment.
 - c. When free chlorine stays above 300 mg/L for 24 hours, treatment is complete. Perform an intermediate purge of the well prior to second mechanical treatment and/or reinstallation of the Owner's pump.

Step 7: Final Disinfection, Reinstallation of Owner's Pump, Casing Modification, Final Pump Test, and Recycle Line

Installation

1. Remove the temporary pump.
2. Prepare equipment for reinstallation, including the following:
 - a. straighten existing line shaft
 - b. rebuild stuffing box on discharge head
 - c. rebuild pump
 - d. convert pump installation to water lubrication
3. Perform the following items to bring the well back online. Be sure to follow local regulations/requirements and conditions in the DNR approval.
 - a. Chlorinate the well to 100 mg/L for final chlorination before reinstallation of Owner's pump. Contractor to flash mix sodium hypochlorite into water added to the well or use a combination of granular and tablet calcium hypochlorite to chlorinate the entire water column in the well.
 - b. Reinstall equipment in well.
 - i. Spray pumping equipment and piping with a 200 mg/l chlorine solution
 - ii. Reinstall pump with existing motor, discharge head and shafting. When reinstalling pump and column pipe, fully tape the exterior of the pipe from 6-inch below to 6-inches above each coupling (column and oil lube) using a double layer of wide PVC tape to cover the joint and any defects in the epoxy coating.
 - iii. Install two new airlines (one rubber and one polyethylene), taped at each joint and mid length of each column pipe section.
 - iv. Reinstall existing transducer tube and transducer (if present).
 - v. Install a new ½" copper line with ball valve between the existing sample tap and a new well vent connection for the well water recycle line (see **Figure 1**). Transition to 3/8" soft copper immediately before the discharge head connection.
 - vi. Install 3/8" soft copper tubing for the well water recycle line through the new well vent connection (see **Figure 2**). Insert recycle line through a new watertight grommet.
 - vii. Provide sanitary seal of discharge head to pump base.
 - c. Reinstall right angle drive and motor.
 - d. After the pump is reinstalled, surge the well three times to verify the well is chlorinated to 100 mg/L, supplementing chlorine as needed to achieve this dose.
 - e. Let the well sit for 24 hours after final chlorination.
 - f. Clean well house to as good or better condition that existed prior to start of work.
4. After the 24-hour wait period, pump the well to waste for a minimum of 24 hours to a grassed swale (final purge), neutralize as necessary.
5. Perform final pump test for one hour at beginning of final purge to document post rehabilitation pumping conditions. Note discharge rate and drawdown every 5 minutes for the first 15 minutes, and then every 15 minutes thereafter.
6. The first bacteria sample can be collected no sooner than 30 minutes after chlorine is no longer detectible. Collect two safe samples at least 8 hours apart before returning well back to service.



NOTE 1: REPLACE TEE WITH A WYE FITTING. TRANSITION TO 3/8" COPPER TUBING AT WYE FITTING AND INSERT TUBING INTO WYE FITTING TO GET TUBING ABOUT 5 FEET BELOW DISCHARGE HEAD. SEAL TUBING AT WYE WITH A COMPRESSION FITTING. IF NO EXTERNAL VENT, CONNECT RECYCLE LINE TO SPARE FITTING ON DISCHARGE HEAD WITH NO VENT.

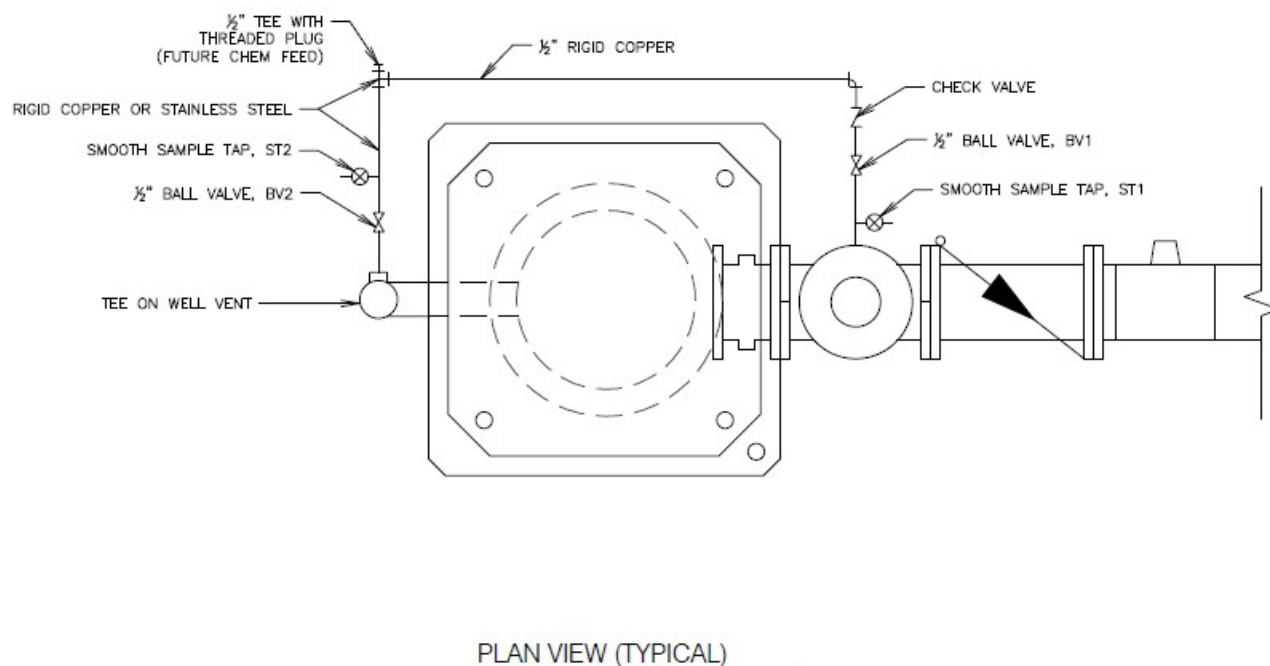


Figure 1. Generic well water recycle line detail.



Add new 1/2 copper tee and copper pipe between the discharge pipe and sample tap for the recycle line.

Insert the recycle line into well through a new connection at the existing well vent with a tee fitting.

Transition to 3/8" soft copper prior to connection. Seal the recycle line at the threaded well vent connection with a watertight grommet.

Figure 2. Well water recycle line connection detail/well water recycle line connection detail with existing sample tap.

[illegible]



May 12, 2025

CHRISTY SKELDING CLERK
CITY OF MINERAL POINT
137 HIGH ST, SUITE 1
MINERAL POINT WI 53565-0269

Project Number: W-2025-0411
PWSID#: 12500840
DNR Region: SCR
County: Iowa

SUBJECT: WATER SYSTEM FACILITIES PLAN AND SPECIFICATION APPROVAL

Dear Ms. Skelding:

The Wisconsin Department of Natural Resources (department), Division of Environmental Management, Bureau of Drinking Water and Groundwater, is conditionally approving plans and specifications for the following project. An engineering report or information of sufficient detail to meet the requirements of s. NR 811.09(3), Wis. Adm. Code, was submitted along with the plans and specifications.

Water system name: Mineral Point Waterworks

Date received: 04/25/2025

Engineering firm: Water Quality Investigations, Inc.

Professional Engineer: Andrew Jacque, Ph.D., P.E.

Regional DNR Contact: Nathan Wells, 3911 Fish Hatchery Rd, Fitchburg WI 53711, (608) 843-4895,
nathan.wells@wisconsin.gov

DNR Plan Reviewer: Kevin Karpinski, 101 South Webster Street, Madison WI 53707, (608) 852-2880,
kevin.karpinski@wisconsin.gov

Project description: On behalf of the City of Mineral Point (City) Waterworks, Water Quality Investigations, Inc. has submitted plans and specifications for the rehabilitation of Well No. 4. The department hereby approves the well rehabilitation subject to the conditions below.

Well No. 4 (WUWN: BF965) was originally constructed in 1972 by Egerer-Galloway Well Corp., obtains water from a sandstone formation and has a total depth of 805 feet. A 30-inch diameter outer casing is set from the surface to a depth of 16 feet. A 16-inch diameter casing is set and grouted in place from the surface to a depth of 163 feet. The well was reconstructed in 1985 and a 12-inch diameter liner casing was set and grouted in place from the surface to a depth of 402 feet. A 15-inch diameter open borehole extends from 402 feet to a depth of 635 feet and a 12-inch diameter open borehole extends from 635 feet to a depth of 805 feet.

There is approximately 400 feet between the bottom of the Well No. 4 protective casing and the bottom of the open borehole. Due to the heavy biofilm encrustation of the well and significant loss of specific capacity, Water Quality Investigations, Inc. has requested only 50 feet of separation between the 200-grain detonation cord blasting and the well casing. If it is decided that detonation cord more powerful than 200-grain is to be used, the department must be contacted for further review and approval (See Condition No. 6 below).

The well rehabilitation work will be performed to reduce biofilm buildup.

Based on the submittal, all chemical products that will be used are ANSI/NSF 60 certified to be used during an offline well rehabilitation and the department understands the approach to the well rehabilitation work to be as follows:

1. Perform a short pumping test and document the existing well hydraulic parameters. Remove the permanent pumping equipment from the well. Televiser the well.
2. Set a charge of 200-grain detonation cord from 452 feet to 805 feet, maintaining a minimum of 50 feet of separation from the grouted liner and casing. Perform a sounding to ensure there is not a bridge in the well. Repeat this step for a total of two detonations.
3. In an above grade mixing tank, mix 29 gallons of inhibited NSF 60 certified 31% active, 20-Baume hydrochloric acid and 1,400 gallons of water. Inject the chemical solution into the well via gravity.
4. Brush the well casing and screen with a stiff bristle brush. Bail fill as necessary.
5. Install a temporary 200 gallon per minute (gpm) pump 40 feet below the static water level. Pump the spent solution to the above grade mixing tank. Neutralize with caustic soda prior to discharging to the sanitary sewer and the ground surface.
6. Install a temporary 3-inch diameter tremie pipe to the bottom of the well. On the 3-inch diameter temporary well pump discharge piping, install a temporary check valve, temporary throttling valve, temporary sample tap, temporary flow meter, and temporary chemical injection taps. Connect the appurtenances to the tremie pipe.
7. Using the temporary pump and tremie pipe, add water from the distribution system for two hours while simultaneously pumping the well to waste to remove loose debris and biofilm. Discharge to the sanitary sewer. If the water is still turbid after two hours, extend this step by one hour.
8. In an above grade mixing tank, mix a solution consisting of 189 gallons of inhibited NSF 60 certified, 31% active, 20-Baume hydrochloric acid, 84 gallons of NSF 60 certified 70% active glycolic acid, and 5,827 gallons of water.
9. Throttle the temporary pump to 175 gpm and inject 150 gpm of the chemical solution into the bottom of the well using the temporary tremie pipe. Inject 25 gpm of the chemical solution into the well via gravity.
10. Surge the chemical solution in the well using the temporary pump, monitoring pH and odor once per mixing cycle during working hours. If the pH rises above 3.0 SU within the first eight hours, add a supplemental treatment of 95 gallons of inhibited NSF 60 certified, 31% active, 20-Baume hydrochloric acid and 42 gallons of NSF 60 certified 70% active glycolic acid.
11. Continue to surge the chemical solution for 24 hours. If the pH rises above 3.0 SU after adding a supplemental treatment or if the water is excessively turbid, pump the spent chemical solution to the above grade mixing tank and neutralize using caustic soda or soda ash prior to discharging to either the sanitary sewer or the ground surface.
12. After the chemical solution remains below 3.0 SU for 24 hours, pump the spent solution to the above grade mixing tank. Neutralize the spent solution using caustic soda or soda ash prior to discharging to either the sanitary sewer or the ground surface.
13. In an above grade tank, mix a chlorine solution consisting of 146 gallons of 12.5% active sodium hypochlorite and 5,954 gallons of water. Inject the chemical solution into the well using the temporary tremie pipe.

14. Surge the chemical solution in the well using the temporary pump, monitoring pH, odor and free and total chlorine residual once per mixing cycle during working hours. If the free chlorine drops below 300 mg/L within the first four hours of mixing and no color is present in the water, repeat Step 13. If the free chlorine drops below 300 mg/L within the first four hours of mixing and the water is yellow or excessively dirty, continue surging the chlorine solution until all of the chlorine is used up. Pump the spent solution to the above grade mixing tank. Neutralize with either sodium thiosulfate or sodium bisulfite prior to discharging to the sanitary sewer or the ground surface. Repeat Step 13. If the free chlorine stays above 300 mg/L for 24 hours, pump the spent solution to the above grade mixing tank. Neutralize with either sodium thiosulfate or sodium bisulfite prior to discharging to either the sanitary sewer or the ground surface and proceed to Step 15.
15. In an above grade tank, mix a chemical solution consisting of 98 gallons of 12.5% active sodium hypochlorite, 35 gallons of 70% active glycolic acid, 61 gallons of 100% active Clearitas 101, and 5,907 gallons of water. Inject the chemical solution into the well using the temporary tremie pipe.
16. Surge the chemical solution in the well using the temporary pump, monitoring pH, odor and free and total chlorine residual once per mixing cycle during working hours. If the free chlorine drops below 300 mg/L within the first eight hours of mixing and the pH is below 6.0 SU with no color present, repeat Step 15. If the free chlorine drops below 300 mg/L within the first eight hours of mixing and the pH is above 6.0 SU or if the water is yellow or excessively dirty, continue mixing until the chlorine is used up. Pump the spent solution to the above grade mixing tank. Neutralize with sodium bisulfite or sodium thiosulfate and caustic soda or soda ash prior to discharging to either the sanitary sewer or the ground surface. Repeat Step 15. If the free chlorine stays above 300 mg/L for 24 hours, pump the spent solution to the above grade mixing tank. Neutralize with either sodium thiosulfate or sodium bisulfite prior to discharging to either the sanitary sewer or the ground surface and proceed to Step 17.
17. Reinstall permanent pumping equipment after disinfecting it with a 200 mg/L chlorine solution.
18. Treat the water in the well with a 12.5% sodium hypochlorite solution to achieve a minimum chlorine residual of 100 mg/L.
19. Surge the well at least three times.
20. Let solution remain in the well for a minimum of 24 hours.
21. Pump spent solution to a neutralization tank. Neutralize with sodium thiosulfate or sodium bisulfite prior to discharging to the ground surface.
22. Perform a short pumping test and document the new well hydraulic parameters. After there is no detectable chlorine residual measured, the well will continue to be pumped to waste for at least 24 hours. Collect two bacteriologically safe samples a minimum of 8 hours apart before placing the well back in service.

Recirculation piping: During the reinstallation of the permanent pumping equipment of Well No. 4, a new recirculation line will be added to the well discharge piping to prevent stagnant water above the well pump. A 0.5-inch diameter copper tee will be installed where the existing sample tap is, upstream of the check valve on the well pump discharge piping. The existing sample tap will be reinstalled on the side of the tee. Following the tee, the 0.5-inch diameter copper recirculation piping will contain, in order: a ball valve, a check valve, a tee with one end provided with a threaded plug to be used for future chemical rehabilitation events, a tee with another smooth-ended sample tap installed on the side, and a ball valve. Following the ball valve, the recirculation piping will transition to 3/8-inch diameter soft copper piping and be fed through a new 2-inch diameter pipe tee connected to the existing 2-inch diameter well vent. A watertight grommet will seal the recirculation piping at the threaded well vent connection. The recirculation piping will terminate a minimum of 5 feet below the top of the well pump base. The pipe will be sprayed with a 200 mg/L chlorine solution before installation.

Liability: It is the responsibility of the owner and consultant to ensure that the well rehabilitation is completed in accordance with the requirements of ss. NR 811.12(11)-(13) & NR 811.12(19)-(20), Wis. Adm. Code, the conditions specified in this approval, and the applicable industry standards. It is also the responsibility of the owner and consultant to prevent the degradation of water quality in the well and to prevent any structural damage to well casings, grout, and screens. If the department discovers the well rehabilitation was not performed in accordance with the aforementioned requirements and conditions specified in this approval, it will be the owner's responsibility to contact the department to determine the requirements for correcting any deficiencies prior to placing the well back in service.

Approval conditions related to Chapters NR 810 and NR 811, Wis. Adm. Code:

1. A resident project representative shall be designated by the water supply owner or by the agent retained by the owner. The resident project representative shall be knowledgeable regarding the proposed construction and be able to ensure the improvements are being constructed in accordance with the department approved plans, specifications, and conditions of the approval. The project representative shall be present on the work site as needed to assure proper construction and installation of the improvements. (s. NR 811.11, Wis. Adm. Code)
2. After construction, maintenance, repair or modification, waterworks facilities shall be disinfected by procedure outlined in the applicable AWWA standards for wells, water mains, storage facilities or treatment facilities. Waterworks may not be placed in service until bacteriological samples have established that the water is bacteriologically safe. (s. NR 810.09(4), Wis. Adm. Code)
3. Based on well raw water quality and the proposed rehabilitation methods, the department is requiring additional sampling to verify water quality and to protect water consumers. Following the rehabilitation, and prior to placing Well No. 4 online, arsenic, nickel and iron samples shall be collected, analyzed, and reviewed. Kevin Karpinski and Nathan Wells shall be notified of the sample results. (ss. NR 810.06 & NR 811.12(12)(i), Wis. Adm. Code)
4. The resident project representative shall closely supervise the discharge of chlorinated water. In no case may water with a measurable total chlorine residual content be discharged to a surface water. Suitable barriers, aeration or chemical dichlorination shall be provided when discharging chlorinated water to a surface water or a storm sewer connected to a surface water to ensure the water discharged does not contain a measurable chlorine residual. (s. NR 811.12(12)(e), Wis. Adm. Code)
5. The water supply owner shall obtain approval of coverage under a Wisconsin Pollutant Discharge Elimination System (WPDES) wastewater general permit prior to the discharge of any chlorinated or treated water to waters of the state as a result of construction, disinfection, normal operations, or backwashing pursuant to s. 283.31, Wis. Stats and s. NR 810.19, Wis. Adm. Code. The approval process for WPDES wastewater general permits may take up to 30 days. Contact the regional wastewater specialist (Stephanie Gruenloh, stephanie.gruenloh@wisconsin.gov) or go to <https://dnr.wisconsin.gov/topic/Wastewater/GeneralPermits.html> for more information.
6. Blasting shall be conducted under the supervision of a licensed well driller and blaster licensed by the Department of Safety and Professional Services under s. SPS 305.20 (s. NR 811.12(11)(a), Wis. Adm. Code).
7. There is 403 feet between the bottom of the Well No. 4 protective casing and the bottom of the open borehole. Therefore, the 200-grain detonation cord shall be placed no less than 50 feet below the bottom of the protective well casing. If it is decided that detonation cord more powerful than 200-grain is to be used, the department shall be contacted for further review and approval (s. NR 811.12(11)(b), Wis. Adm. Code)
8. All material dislodged during the blasting shall be removed from the well. (s. NR 811.12(11)(c), Wis. Adm. Code)

9. Proper safety measures shall be employed to protect the workers and surrounding structures. (s. NR 811.12(11)(d), Wis. Adm. Code)
10. Kevin Karpinski and Nathan Wells shall be notified in writing within 30 days of completing the well work of the static and pumping water levels, the gallon per minute production rate and the specific capacity of the well before and following the completion of the well rehabilitation work. (s. NR 811.12(13)(b)6, Wis. Adm. Code)
11. The owner or owner's agent shall provide notification to Nathan Wells from the department's Fitchburg office upon completion of the improvements so that he can inspect the completed improvements and issue written authorization prior to placing the improvements in service, if he deems necessary. (s. NR 810.26(1), Wis. Adm. Code)

Approval constraints: The project was reviewed in accordance with ss. 281.34 and 281.41, Wis. Stats. for compliance with Chapters NR 108, NR 810, NR 811 and NR 820, Wis. Adm. Code and is hereby approved in accordance with ss. 281.34 and 281.41, Wis. Stats. subject to the conditions listed above. This approval is valid for two years from the date of approval. If construction or installation of the improvements has not commenced within two years the approval shall become void and a new application must be made and approval obtained prior to commencing construction or installation.

This approval is based upon the representation that the plans submitted to the department are complete and accurately represent the project being approved. Any approval of plans that do not fairly represent the project because they are incomplete, inaccurate, or of insufficient scope and detail is voidable at the option of the department.

Be advised that this project may require permits or approvals from other federal, state or local authorities. For example, a certificate of authority from the Public Service Commission of Wisconsin may be required per s. 196.49, Wis. Stats. and ch. PSC 184, Wis. Adm. Code.

Appeal rights: If you believe that you have a right to challenge this decision, you should know that the Wisconsin Statutes and administrative rules establish time periods within which requests to review department decisions must be filed. To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. Requests for contested case hearings must be made in accordance with ch. NR 2, Wis. Adm. Code. Filing a request for a contested case hearing does not extend the 30 day period for filing a petition for judicial review. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you must file your petition with the appropriate circuit court and serve the petition on the department within 30 days after the decision is mailed. A petition for judicial review must name the Department of Natural Resources as the respondent.

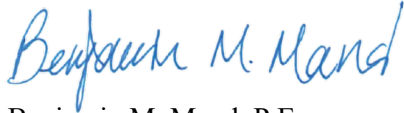
STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

Project Plan Reviewer



Kevin Karpinski
Public Water Engineering Section
Bureau of Drinking Water and Groundwater

For the Secretary



Benjamin M. Mand, P.E.
Public Water Engineering Section
Bureau of Drinking Water and Groundwater

cc: Nate Fosbinder – Water & Sewer Superintendent, Mineral Point (by email)
Andrew Jacque – Water Quality Investigations, Inc., Mount Horeb (by email)
Nathan Wells – DNR, Fitchburg (by email)
Eileen Pierce – DNR, Fitchburg (by email)
Stephanie Gruenloh – DNR, Wastewater, Milwaukee (by email)
PSC – Madison (by email)



Please prepare a price proposal as generally broken down below for performing all work described in the attached Well Rehabilitation Plan. Final payments will be for actual work performed.

Proposal due date: April 28, 2025.

Base Work Prices

Item	Description	Qty	Unit	Unit Price	Total
1	Step 1 through 3. Project mobilization, initial pump test and pull and inspect pumping equipment	1	L.S.	\$ 10,135	\$ 10,135
2	Step 1 and 3. Televise well	2	each	\$ 1,565	\$ 3,130
3	Step 2. Detonation Cord Mechanical Treatment	2	each	\$ 7,000	\$ 14,000
4	Step 2. Brushing mechanical treatment of the well with acid treatment; bailing	1	L.S.	\$ 5,855	\$ 5,855
5	Step 4 through 7. Setup and removal of chemical rehabilitation and treatment equipment	1	L.S.	\$ 14,255	\$ 14,255
6	Step 4. Initial purge of well prior to acid treatment	2	hour	\$ 295	\$ 590
7	Step 4. Perform acid treatment of well – initial strength treatment	2	each	\$ 8,280	\$ 16,560
8	Step 4. Perform acid treatment of well – supplemental dose treatment	1	each	\$ 3,895	\$ 3,895
9	Step 5. Perform chlorine treatment of the well – initial strength treatment	2	each	\$ 2,730	\$ 5,460
10	Step 5. Perform chlorine treatment of the well – supplemental dose treatment	1	each	\$ 1,115	\$ 1,115
11	Step 6. Perform chlorine-based treatment of well – initial strength treatment	2	each	\$ 6,295	\$ 12,590
12	Step 6. Perform chlorine-based treatment of well – supplemental dose treatment	1	each	\$ 1,945	\$ 1,945
13	Steps 4 thru 6. Intermediate purge	6	each	\$ 295	\$ 1,770
14	Step 7. Final Purge	1	each	\$ 975	\$ 975
15	Step 7. Reinstall Owner's pump and equipment, including necessary equipment preparation work	1	L.S.	\$ 11,655	\$ 11,655
16	Step 7. Final pump test, recycle line reinstallation, final disinfection, and final flushing	1	L.S.	\$ 1,760	\$ 1,760
17	Step 7. Obtain safe sample and return well to service	1	L.S.	\$ 500	\$ 500
				Total	\$ 106,190.00

Supplemental Item Prices

The following supplemental prices are for additions to or deductions from the work, as needed based on results reported during the rehabilitation process, to replace worn or damaged equipment, or to upgrade the installation.

Item	Description	Qty	Unit	Unit Price
S1	Inhibited HCl added to/subtracted from treatment	1	Gal.	\$ 9.45
S2	Sodium Hypochlorite added to/subtracted from treatment	1	Gal.	\$ 8.33
S3	Clearitas 101 added to/subtracted from treatment	1	Gal.	\$ 28.90
S4	Glycolic acid added to/subtracted from treatment	1	Gal.	\$ 52.50
S5	Additional brushing mechanical treatment, 40 passes	1	each	\$ 1,000
S6	Replace pump (match existing design)	1	L.S.	\$ 19,900
S7	Rebuild existing pump	1	L.S.	\$ 6,610
S8	Replace Oil Tube bearing – 2-1/2" x 1-1/2" brass	1	each	\$ 220
S9	5-foot section, Schedule 40 threaded and coupled, 8-inch column pipe, epoxy coated inside and outside	1	each	\$ 950
S10	10-foot section, Schedule 40 threaded and coupled, 8-inch column pipe, epoxy coated inside and outside	1	each	\$ 1,472
S11	5-foot section, Schedule 80 threaded and coupled, 2.5-inch oil tube pipe, epoxy coated inside and outside	1	each	\$ 275*
S12	Conversion of pump installation from oil lube to water lube	1	L.S.	\$ 13,360

S11* only exterior of oil tube will be epoxy coated due to interior dimensions and threads, oil does provide a slight protective barrier on the steel



April 28, 2025

City of Mineral Point
Attn: Nate Fosbinder
137 High St.
Mineral Point, WI 53565

Re: Well #4 Rehabilitation

Nate,

Peerless Well & Pump would like to thank you for the opportunity to submit a proposal on rehabilitation of Well #4 as per the specifications prepared by Water Quality Investigations (WQI). Well #4 is an oil lubricated line shaft pump assembly with 405 feet of 8-inch column pipe, 1-1/2-inch shafting, and 2-1/2-inch oil tube that was last pulled by Peerless in 2021.

This pump has historically been pulled every 4-5 years, due to this wells issue with stray voltage causing premature deterioration of the pumping equipment. After only 3 years the pump has seen a significant drop in production, and it is our concern that the stray voltage is the reason for this issue again. In 2021 The city did work with Alliant Energy and other professionals to solve this issue. Peerless installed zinc sleeves before the pump was installed to help in the case of stray voltage. The zinc should act as a sacrificial metal and save the pipe from being attacked. This does work well in many scenarios, but each scenario is different, and it doesn't always solve the problem.

The proposed scope of work and associated pricing is attached based on the WQI specifications.

After reviewing this proposal, should you have any questions or concerns, or if there is any other way we can be of assistance to your community, please feel free to contact me at your convenience. We appreciate this opportunity to provide you with this proposal and look forward to the opportunity to deliver the City of Mineral Point continued expert service on this project.

Peerless Well & Pump

Ross Griffin

Ross Griffin
563-543-5803

15602 West Key Drive, Peosta, IA 52068
Office: 563-583-1707 · Fax: 563-583-8728
www.peerlesswellandpump.com

Please prepare a price proposal as generally broken down below for performing all work described in the attached Well Rehabilitation Plan. Final payments will be for actual work performed.

Proposal due date: April 28, 2025.

Base Work Prices

Item	Description	Qty	Unit	Unit Price	Total
1	Step 1 through 3. Project mobilization, initial pump test and pull and inspect pumping equipment	1	L.S.	\$ 28,850.00	\$ 28,850.00
2	Step 1 and 3. Televise well	2	each	\$ 1,530.00	\$ 3,060.00
3	Step 2. Detonation Cord Mechanical Treatment	2	each	\$ 3,925.00	\$ 7,850.00
4	Step 2. Brushing mechanical treatment of the well with acid treatment; bailing	1	L.S.	\$ 4,930.00	\$ 4,930.00
5	Step 4 through 7. Setup and removal of chemical rehabilitation and treatment equipment	1	L.S.	\$ 7,580.00	\$ 7,580.00
6	Step 4. Initial purge of well prior to acid treatment	2	hour	\$ 230.00	\$ 460.00
7	Step 4. Perform acid treatment of well – initial strength treatment	2	each	\$ 6,725.00	\$ 13,450.00
8	Step 4. Perform acid treatment of well – supplemental dose treatment	1	each	\$ 3,370.00	\$ 3,370.00
9	Step 5. Perform chlorine treatment of the well – initial strength treatment	2	each	\$ 2,550.00	\$ 5,100.00
10	Step 5. Perform chlorine treatment of the well – supplemental dose treatment	1	each	\$ 1,150.00	\$ 1,150.00
11	Step 6. Perform chlorine-based treatment of well – initial strength treatment	2	each	\$ 5,160.00	\$ 10,320.00
12	Step 6. Perform chlorine-based treatment of well – supplemental dose treatment	1	each	\$ 1,750.00	\$ 1,750.00
13	Steps 4 thru 6. Intermediate purge	6	each	\$ 460.00	\$ 2,760.00
14	Step 7. Final Purge	1	each	\$ 600.00	\$ 600.00
15	Step 7. Reinstall Owner's pump and equipment, including necessary equipment preparation work	1	L.S.	\$ 15,560.00	\$ 15,560.00
16	Step 7. Final pump test, recycle line reinstallation, final disinfection, and final flushing	1	L.S.	\$ 1,130.00	\$ 1,130.00
17	Step 7. Obtain safe sample and return well to service	1	L.S.	\$ 60.00	\$ 60.00
				Total	\$ 107,980.00

Supplemental Item Prices

The following supplemental prices are for additions to or deductions from the work, as needed based on results reported during the rehabilitation process, to replace worn or damaged equipment, or to upgrade the installation.

Item	Description	Qty	Unit	Unit Price
S1	Inhibited HCl added to/subtracted from treatment	1	Gal.	\$ 10.00
S2	Sodium Hypochlorite added to/subtracted from treatment	1	Gal.	\$ 10.00
S3	Clearitas 101 added to/subtracted from treatment	1	Gal.	\$ 20.00
S4	Glycolic acid added to/subtracted from treatment	1	Gal.	\$ 40.00
S5	Additional brushing mechanical treatment, 40 passes	1	each	\$ 3,440.00
S6	Replace pump (match existing design)	1	L.S.	\$ 16,330.00
S7	Rebuild existing pump	1	L.S.	\$ 6,310.00
S8	Replace Oil Tube bearing – 2-1/2" x 1-1/2" brass	1	each	\$ 120.00
S9	5-foot section, Schedule 40 threaded and coupled, 8-inch column pipe, epoxy coated inside and outside	1	each	\$ 460.00
S10	10-foot section, Schedule 40 threaded and coupled, 8-inch column pipe, epoxy coated inside and outside	1	each	\$ 850.00
S11	5-foot section, Schedule 80 threaded and coupled, 2.5-inch oil tube pipe, epoxy coated inside and outside	1	each	\$ 260.00
S12	Conversion of pump installation from oil lube to water lube	1	L.S.	\$ 30,460.00



June, 2025

Mineral Point, Wisconsin

☒ New Business ☐ Unfinished Business ☐ Reports ☐ Closed Session ☐ Ordinance/Resolution	Meeting: Finance Committee Meeting: City Council
Department Reporting: Water&Sewer	Submitted by: Matthew Honer
<u>ISSUE:</u> Discussion and Consideration of Simplified Rate Case for the Water Utility.	
<u>BACKGROUND/ANALYSIS:</u> The last full rate case was completed 8/14/2023. Prior to that a simplified rate case was completed 9/4/2022. The full rate case in 2023 was substantial. In efforts to avoid future large rate increases it is advised that water utilities utilize the simplified rate case to gradually increase rates as inflationary and operational expenses increase. The City is eligible for a 3% rate increase in 2025 or 2026. The Water and Sewer Committee advised proceeding with a Simplified Rate Case at their May 20, 2025 meeting.	
<u>RECOMMENDATION:</u> Proceed with a Simplified Rate Case.	
<u>FISCAL IMPACT:</u> 3% rate increase to water customers. Increase of approximately \$25,761 in water sales.	
<u>ATTACHMENTS:</u> Simplified Rate Case Eligibility Review.	



E-Services Portal



Simplified Rate Case (SRC) Application

The Simplified Rate Case (SRC) is a simple and convenient means for municipal utilities to increase water rates. This is an inflationary type increase that helps utilities maintain rate continuity so that customers benefit from smaller, more frequent rate increases. The SRC process includes a SRC application and a notice to customers, but does not require a public hearing. This process is further explained in the instructions below. Please review the entire SRC Application Instructions below before proceeding.

SRC Application Instructions

If the utility has any questions about the SRC process, please call (608) 266-3766 or email PSCWaterAppMail@wisconsin.gov

As of March 1 2025, the rate increase factor is 3.0 percent, and the current overall rate of return is 6.2 percent. (PSC ERF#: [531793](#))

Please note that the application is not filed, and thus rates cannot be implemented, until the utility uploads the PDF application to the PSC's Electronic Records Filing (ERF) System and the PSC issues a final decision.

Utility Name: Mineral Point Municipal Water Utility (3740) ▼

Date Application 8/12/25 (MM/dd/yy) *Note: be sure this is the date that the application will be uploaded to ERF and not will be Filed with today's date. That date must be on or after the date that the utility will issue a Customer Notice as described the PSC: below.*

Proposed Effective 01/01/26 (MM/dd/yy) *Note: See definition of effective date in SRC instructions. This date is unlikely to be a Date: weekend or holiday.*

Industry: Water ▼

[Continue - SRC Eligibility Review](#)



E-Services Portal



SRC Application: Eligibility Review - Historical Checks - Water

Mineral Point Municipal Water Utility (3740)

Effective Date of the Last Full Rate Case: **08/14/2023**

Rates from last full rate case have been in effect for at least one full calendar year and the current annual report has been filed. **Yes**

If Class AB, it has been 5 years or less since the last full rate case. **NA**

Effective Date of the Last SRC: **09/04/2022**

Rates from the last SRC have been in effect for one year (12 months). **Yes**

Water Meter Rates

5/8" meter rate at the last full rate case: **15.00**

Current 5/8" meter rate: **15.00**

If Class C or D, current rate is less than 40% higher than the last full rate case. **Yes**

5/8" meter rate percent increase since last full rate case: **0.00%**

[Continue - SRC Eligibility](#)



E-Services Portal



SRC Application: Eligibility Review – Financial Checks - Water

Mineral Point Municipal Water Utility (3740)

This short calculation uses amounts from the PSC annual report to determine if the utility meets the financial requirements of the SRC statute.

If either line 8 or line 12 is answered "yes," the utility has met the financial eligibility test. Please note, if the utility reports a negative Average Net

Rate Base (line 6), the rate of return test on line 8 does not apply and it must qualify based on the O&M expense coverage test on line 12.

	Annual Report Information	Page	
1	Total Sales of Water	W-1	\$858,692
2	Rate Increase Factor		3.0%
3	Line 1 * Line 2		\$25,761
4	Net Operating Income (Operating Revenues - Operating Expenses)	W-1	\$219,927
5	Adjusted Total Operating Income (Line 3 + Line 4)		\$245,688
6	Average Net Rate Base - Water Utility	F-23	\$5,016,869
7	Line 5 / Line 6		4.9%
8	Test 1 - Financial Eligibility Qualifies *		Yes
9	Adjusted Operating Income (Line 5)		
10	Total Operation & Maintenance (O&M) expense (600 and 900 accounts only)		
11	Line 9 / Line 10		
12	Test 2 - Financial Eligibility Qualifies **		

* Eligible if line 7 <= 6.20%

** Eligible if line 11 <= 6.0%

[Continue - SRC Eligibility Review](#)



E-Services Portal



SRC Application: Eligibility Review – Results - Water

Mineral Point Municipal Water Utility (3740)

Congratulations! The utility qualifies for an SRC.

If the utility would like to apply for an SRC, proceed to the next step – developing the Customer Notice. The next two screens will collect information and provide a Customer Notice that the utility should issue, through newspaper publication or mail, prior to submitting the SRC Application. At the conclusion of the next two screens, the utility will also be provided an Application form that can be filed after that Customer Notice has been issued.

Proceed through the next screens and save and print the entire Application and Customer Notice. If the utility needs to get local approvals such as city council or village board authorization for a rate increase, it can present the Application to the utility's city council/village board. Once the utility has been given approval from local officials, the Customer Notice can be issued. Only after those steps have been taken can the utility file the Application electronically on ERF (electronic regulatory filing) via the Commission's website.

[Continue to Develop Customer Notice](#)

For more information, refer to the [SRC Application Instructions](#).

RESOLUTION NO. 2025-14

**RESOLUTION AUTHORIZING APPROVAL AND SUBMITTAL OF THE COMPLIANCE MAINTENANCE ANNUAL
REPORT FOR THE ACTIVITIES OF 2023**

WHEREAS, the City of Mineral Point is regulated by a WPDES (Wisconsin Pollution Discharge Elimination System) permit #WI-0024791-10-2 for its wastewater collection system; and

WHEREAS, the WPDES permit #WI-0024791-10-2 and NR 208 of the Wisconsin Administrative Code requires the City to submit a Compliance Maintenance Annual Report (CMAR) annually for the previous year's activities; and

WHEREAS, the CMAR Report for the Activities of 2024 has been submitted to and reviewed by the City Council; and

WHEREAS, with the help of the Department of Natural Resources, the wastewater treatment plant will continue to be monitored and strive to remain compliant and proactive.

NOW, THEREFORE, BE IT RESOLVED BY THE COMMON COUNCIL OF THE CITY OF MINERAL POINT, IOWA COUNTY, WISCONSIN, that the CMAR Report for the Activities of 2024 is hereby approved and the Water/Sewer Superintendent is directed to submit the report to the Wisconsin Department of Natural Resources with all required certifications.

Adopted and approved this 10th day of June, 2025.

Danny Clark, Mayor

ATTEST:

Christy Skelding, City Clerk/Treasurer

It was moved by _____ and seconded by _____
that the foregoing resolution be adopted.

Upon roll call vote, the following voted Aye: _____

The following voted No: _____

The Mayor declared the resolution adopted.

Compliance Maintenance Annual Report

Mineral Point Wastewater Treatment Facility

Last Updated: Reporting For:

5/15/2025

2024

Influent Flow and Loading

1. Monthly Average Flows and BOD Loadings

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

Influent No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average BOD Concentration mg/L	x	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	0.1708	x	165	x	8.34	=	235
February	0.2202	x	137	x	8.34	=	252
March	0.2018	x	155	x	8.34	=	261
April	0.4469	x	120	x	8.34	=	446
May	0.3044	x	140	x	8.34	=	355
June	0.2552	x	146	x	8.34	=	310
July	0.2445	x	128	x	8.34	=	261
August	0.1391	x	168	x	8.34	=	195
September	0.1264	x	198	x	8.34	=	208
October	0.1160	x	209	x	8.34	=	202
November	0.2378	x	119	x	8.34	=	237
December	0.1429	x	164	x	8.34	=	195

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	.698	x	90	=	0.6282
		x	100	=	.698
Design BOD, lbs/day	429	x	90	=	386.1
		x	100	=	429

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

	Months of Influent	Number of times flow was greater than 90% of	Number of times flow was greater than 100% of	Number of times BOD was greater than 90% of design	Number of times BOD was greater than 100% of design
January	1	0	0	0	0
February	1	0	0	0	0
March	1	0	0	0	0
April	1	0	0	1	1
May	1	0	0	0	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	0	0
September	1	0	0	0	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	0	0
Points per each		2	1	3	2
Exceedances		0	0	1	1
Points		0	0	3	2
Total Number of Points					5

Compliance Maintenance Annual Report

Mineral Point Wastewater Treatment Facility

Last Updated: Reporting For:

5/15/2025

2024

3. Flow Meter

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

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

2024-02-22

☐ No

If No, please explain:

4. Sewer Use Ordinance

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

☒ Yes

☐ No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

☐ Yes

☒ No

If Yes, please explain:

5. Septage Receiving

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

Septic Tanks

Holding Tanks

Grease Traps

☒ Yes

☒ Yes

☐ Yes

☐ No

☐ No

☒ No

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

Septic Tanks

☒ Yes 9,750 gallons

☐ No

Holding Tanks

☒ Yes 26,100 gallons

☐ No

Grease Traps

☐ Yes gallons

☒ No

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

We had limited hauling into the plant in 2024. We experienced minimal treatment issues with the incoming waste.

6. Pretreatment

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

☐ Yes

☒ No

If yes, describe the situation and your community's response.

Compliance Maintenance Annual Report

6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.? ☐ Yes ☒ No If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.	
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Total Points Generated	5
Score (100 - Total Points Generated)	95
Section Grade	A

Compliance Maintenance Annual Report

Mineral Point Wastewater Treatment Facility

Last Updated: Reporting For:

5/15/2025

2024

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	15	13.5	5	1	0	0
February	15	13.5	7	1	0	0
March	15	13.5	5	1	0	0
April	15	13.5	4	1	0	0
May	15	13.5	6	1	0	0
June	15	13.5	11	1	0	0
July	15	13.5	8	1	0	0
August	15	13.5	7	1	0	0
September	15	13.5	7	1	0	0
October	15	13.5	3	1	0	0
November	15	13.5	3	1	0	0
December	15	13.5	4	1	0	0

* Equals limit if limit is ≤ 10

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

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

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

2. Flow Meter Calibration

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

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

2024-11-15

☐ No

If No, please explain:

3. Treatment Problems

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

We worked through some calibration of our Alum feeding to be sure we are dosing appropriately. We were not adjusting our rates enough to compensate in changing flows. We are continually dialing that in and it has helped our efficacy.

4. Other Monitoring and Limits

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

Compliance Maintenance Annual Report

Mineral Point Wastewater Treatment Facility

Last Updated: Reporting For:
5/15/2025 **2024**

☐ Yes ☒ No If Yes, please explain: 4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test? ☐ Yes ☒ No If Yes, please explain: 4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity? ☐ Yes ☐ No ☒ N/A Please explain unless not applicable:	
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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Mineral Point Wastewater Treatment Facility

Last Updated: Reporting For:
5/15/2025 2024

Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	20	18	15	1	0	0
February	20	18	12	1	0	0
March	20	18	8	1	0	0
April	20	18	8	1	0	0
May	20	18	9	1	0	0
June	20	18	10	1	0	0
July	20	18	10	1	0	0
August	20	18	12	1	0	0
September	20	18	11	1	0	0
October	20	18	7	1	0	0
November	20	18	9	1	0	0
December	20	18	9	1	0	0
* Equals limit if limit is <= 10						
Months of Discharge/yr				12		
Points per each exceedance with 12 months of discharge:					7	3
Exceedances					0	0
Points					0	0
Total Number of Points						0
NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0						
1.2 If any violations occurred, what action was taken to regain compliance?						

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

Compliance Maintenance Annual Report

Mineral Point Wastewater Treatment Facility

Last Updated: Reporting For:
5/15/2025 2024

Effluent Quality and Plant Performance (Ammonia - NH3)

1. Effluent Ammonia Results									
1.1 Verify the following monthly and weekly average effluent values, exceedances and points for ammonia									
Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceed ance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceed ance
January	8.5	18	.117	0	.137	.067	.14	.2	0
February	8.5	18	0	0	0	0	0	0	0
March	8.5	18	0	0	0	0	0	0	0
April	3.4	11	0	0	0	0	0	0	0
May	5.7	11	0	0	0	0	0	0	0
June	5.7	11	.04	0	0	0	.16	0	0
July	5.7	11	.072	0	.223	0	0	0	0
August	5.7	11	0	0	0	0	0	0	0
September	5.7	11	0	0	0	0	0	0	0
October	5.7	11	0	0	0	0	0	0	0
November	8.5	18	.056	0	.167	0	.057	0	0
December	8.5	18	.104	0	0	.123	.117	.243	0
Points per each exceedance of Monthly average:									10
Exceedances, Monthly:									0
Points:									0
Points per each exceedance of weekly average (when there is no monthly average):									2.5
Exceedances, Weekly:									0
Points:									0
Total Number of Points									0
NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to determine exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to determine exceedances and generate points.									
1.2 If any violations occurred, what action was taken to regain compliance?									

0

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

Compliance Maintenance Annual Report

Mineral Point Wastewater Treatment Facility

Last Updated: Reporting For:
5/15/2025 2024

Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results				
1.1 Verify the following monthly average effluent values, exceedances, and points for Phosphorus				
Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	.8	0.846	1	1
February	.8	0.622	1	0
March	.8	0.438	1	0
April	.8	0.264	1	0
May	.8	0.404	1	0
June	.8	0.456	1	0
July	.8	0.579	1	0
August	.8	0.906	1	1
September	.8	0.997	1	1
October	.8	0.443	1	0
November	.8	0.350	1	0
December	.8	0.312	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				3
Total Number of Points				30
NOTE: For systems that discharge intermittently to waters of the state, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$				
1.2 If any violations occurred, what action was taken to regain compliance?				
Starting near the end of July our Phosphorus control seemed to be reduced. We made some adjustments to our Alum feed rate and cleaned our sampler tubing. We thought perhaps it was tied to hauler waste and discontinued allowing outside waste into the plant. We also were wondering if our decant side stream was affecting treatment. After sharing data with our engineering consultant it was determined we were underdosing Alum. Our chemical feed pumps are flow based. As our flows decrease(less I and I) our Alum dose decreases and our Phosphorus concentration increases (not as diluted). We have been adjusting our Alum dosing for flow rate changes and this has improved our consistency in treatment.				

30

Total Points Generated	30
Score (100 - Total Points Generated)	70
Section Grade	D

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Biosolids Quality and Management

1. Biosolids Use/Disposal

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

☒ Land applied under your permit

☐ Publicly Distributed Exceptional Quality Biosolids

☐ Hauled to another permitted facility

☐ Landfilled

☐ Incinerated

☐ Other

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

1.1.1 If you checked Other, please describe:

2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

164.4 acres

2.1.2 How many acres did you use?

16.3 acres

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

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

☐ Yes (30 points)

☒ No

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

☒ Yes

☐ No (10 points)

☐ N/A

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

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

Outfall No. 002 - SLUDGE

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75								<6.42						0	0
Cadmium		39	85								4.76						0	0
Copper		1500	4300								470						0	0
Lead		300	840								42						0	0
Mercury		17	57								<4.37						0	0
Molybdenum	60		75								4.14					0		0
Nickel	336		420								71.6					0		0
Selenium	80		100								9.53					0		0
Zinc		2800	7500								3190						1	0

3.1.1 Number of times any of the metals exceeded the high quality limits OR 80% of the limit for molybdenum, nickel, or selenium = 1

Exceedence Points

☐ 0 (0 Points)

0

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● 1-2 (10 Points)

○ > 2 (15 Points)

3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)

● Yes

○ No (10 points)

○ N/A - Did not exceed limits or no HQ limit applies (0 points)

○ N/A - Did not land apply biosolids until limit was met (0 points)

3.1.3 Number of times any of the metals exceeded the ceiling limits = 0

Exceedence Points

● 0 (0 Points)

○ 1 (10 Points)

○ > 1 (15 Points)

3.1.4 Were biosolids land applied which exceeded the ceiling limit?

○ Yes (20 Points)

● No (0 Points)

3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken? Has the source of the metals been identified?

This is the first time I have experienced this. I spoke with Kenzie and she said we should track it this year and next and see if it stays above the high quality limit. if it does we will need to search out possible sources.

0

4. Pathogen Control (per outfall):

4.1 Verify the following information. If any information is incorrect, use the Report Issue button under the Options header in the left-side menu.

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	
Sample Dates:	01/01/2024 - 12/31/2024
Density:	
Sample Concentration Amount:	
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	25 Days at MCRS@95F

0

4.2 If exceeded Class B limit or did not meet the process criteria at the time of land application.

4.2.1 Was the limit exceeded or the process criteria not met at the time of land application?

○ Yes (40 Points)

● No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

5.1 Verify the following information. If any of the information is incorrect, use the Report Issue button under the Options header in the left-side menu.

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Outfall Number:	002	0
Method Date:	12/31/2024	
Option Used To Satisfy Requirement:	Injection when land apply	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):		
Results (if applicable):		
5.2 Was the limit exceeded or the process criteria not met at the time of land application? ○ Yes (40 Points) ● No If yes, what action was taken? 		
6. Biosolids Storage 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site? ● >= 180 days (0 Points) ○ 150 - 179 days (10 Points) ○ 120 - 149 days (20 Points) ○ 90 - 119 days (30 Points) ○ < 90 days (40 Points) ○ N/A (0 Points) 6.2 If you checked N/A above, explain why. 		0
7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management: 		

Total Points Generated	10
Score (100 - Total Points Generated)	90
Section Grade	B

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Staffing and Preventative Maintenance (All Treatment Plants)

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

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We continue to improve in our maintenance. We have updated and rebuilt many pieces of equipment. This has allowed us to learn and prepare for what is next for service intervals.

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

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Operator Certification and Education

1. Operator-In-Charge

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

- ☒ Yes (0 points)
- ☐ No (20 points)

Name:

NATHAN D FOSBINDER

Certification No:

39252

0

2. Certification Requirements

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

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

0

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

- ☒ Yes (0 points)
- ☐ No (20 points)

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

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

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

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

3. Succession Planning

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

- ☐ One or more additional certified operators on staff

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

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

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Financial Management

1. Provider of Financial Information		
Name:	Christy Skelding	
Telephone:	608-987-8085	(XXX) XXX-XXXX
E-Mail Address (optional):	cityclerk@cityofmineralpointwi.gov	
2. Treatment Works Operating Revenues		
2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?		
● Yes (0 points) ☐		
○ No (40 points)		
If No, please explain:		
2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?		
Year:	2024	0
● 0-2 years ago (0 points) ☐		
○ 3 or more years ago (20 points) ☐		
○ N/A (private facility)		
2.3 Did you have a special account (e.g., CFWP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?		
● Yes (0 points)		
○ No (40 points)		
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]		
3. Equipment Replacement Funds		
3.1 When was the Equipment Replacement Fund last reviewed and/or revised?		
Year:	2023	
● 1-2 years ago (0 points) ☐		
○ 3 or more years ago (20 points) ☐		
○ N/A		
If N/A, please explain:		
3.2 Equipment Replacement Fund Activity		
3.2.1 Ending Balance Reported on Last Year's CMAR	\$	41,117.23
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	\$	0.00
3.2.3 Adjusted January 1st Beginning Balance	\$	41,117.23
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$ 73,454.93

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

- \$ 0.00

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

\$ 114,572.16

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

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

3.3 What amount should be in your Replacement Fund? \$ 118,000.00

0

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

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

☐ Yes

☒ No

If No, please explain.

We used some of these funds in 2023.

4. Future Planning

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

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

☐ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Chlorination	\$750,000	2028
2	Dosing Pumps Replace/Rebuild	\$75,000	2025
3	Update 2 Lift stations Controls, pumps, hardware.	\$200,000	2025
4	Replace Radios at all Lift stations	\$25,000	2025
5	Update SCADA computers/Controls	\$100,000	2026

5. Financial Management General Comments

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

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

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations: 7

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	2,421	
February	2,697	
March	2,297	
April	3,916	
May	3,122	
June	3,499	
July	3,005	
August	2,273	
September	1,922	
October	1,820	
November	2,448	
December	2,920	
Total	32,340	0
Average	2,695	0

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

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

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

6.2.2 Comments:

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

☒ No

☐ Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

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

7. Treatment Facility

7.1 Energy Usage

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

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/ Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/ Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	28,000	5.29	5,293	7.29	3,841	1,320
February	24,400	6.39	3,818	7.31	3,338	1,340
March	25,200	6.26	4,026	8.09	3,115	1,006
April	29,400	13.41	2,192	13.38	2,197	1,057
May	26,400	9.44	2,797	11.01	2,398	776
June	29,000	7.66	3,786	9.30	3,118	766
July	27,200	7.58	3,588	8.09	3,362	692
August	27,200	4.31	6,311	6.05	4,496	670
September	27,000	3.79	7,124	6.24	4,327	673
October	22,400	3.60	6,222	6.26	3,578	645
November	20,200	7.13	2,833	7.11	2,841	704
December	22,000	4.43	4,966	6.05	3,636	1,108
Total	308,400	79.29		96.18		10,757
Average	25,700	6.61	4,413	8.02	3,354	896

7.1.2 Comments:

7.2 Energy Related Processes and Equipment

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

- ☐ Aerobic Digestion
- ☒ Anaerobic Digestion
- ☐ Biological Phosphorus Removal
- ☐ Coarse Bubble Diffusers
- ☐ Dissolved O2 Monitoring and Aeration Control
- ☒ Effluent Pumping
- ☐ Fine Bubble Diffusers
- ☒ Influent Pumping
- ☐ Mechanical Sludge Processing
- ☐ Nitrification
- ☒ SCADA System
- ☐ UV Disinfection
- ☒ Variable Speed Drives
- ☐ Other:

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7.2.2 Comments:

All the facilities lighting was upgraded to LED from fluorescent in 2024.

7.3 Future Energy Related Equipment

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

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?

☐ No

☒ Yes

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

☒ Flared Off

☐ Building Heat

☐ Process Heat

☐ Generate Electricity

☐ Other:

9. Energy Efficiency Study

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

☒ No

☐ Yes

☐ Entire facility

Year:

By Whom:

Describe and Comment:

☐ Part of the facility

Year:

By Whom:

Describe and Comment:

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

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Sanitary Sewer Collection Systems

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

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

☒ Yes

☐ No

If No, explain:

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

☒ Yes

☐ No (30 points)

☐ N/A

If No or N/A, explain:

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

☒ Goals [NR 210.23 (4)(a)]

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

Continue to resolve I and I issues, including cross-connections.
Clean and televise 10% of the system.

Did you accomplish them?

☒ Yes

☐ No

If No, explain:

☒ Organization [NR 210.23 (4) (b)] ☐ ☐

Does this chapter of your CMOM include:

☒ Organizational structure and positions (eg. organizational chart and position descriptions)

☒ Internal and external lines of communication responsibilities

☒ Person(s) responsible for reporting overflow events to the department and the public

☒ Legal Authority [NR 210.23 (4) (c)]

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

Sewer use ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2021-07-01

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

☒ Private property inflow and infiltration

☒ New sewer and building sewer design, construction, installation, testing and inspection

☐ Rehabilitated sewer and lift station installation, testing and inspection

☐ Sewage flows satellite system and large private users are monitored and controlled, as necessary

☒ Fat, oil and grease control

☒ Enforcement procedures for sewer use non-compliance

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

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

☒ Equipment and replacement part inventories

☒ Up-to-date sewer system map

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☐ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation

☒ A description of routine operation and maintenance activities (see question 2 below)

☐ Capacity assessment program

☐ Basement back assessment and correction

☐ Regular O&M training

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

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

☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements

☐ Construction, Inspection, and Testing

☐ Others:

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

Does your emergency response capability include:

☒ Responsible personnel communication procedures

☐ Response order, timing and clean-up

☐ Public notification protocols

☐ Training

☐ Emergency operation protocols and implementation procedures

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

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

☐ Infiltration/Inflow (I/I) Analysis

☐ Sewer System Evaluation Survey (SSES)

☐ Sewer Evaluation and Capacity Management Plan (SECAP)

☐ Lift Station Evaluation Report

☐ Others:

0

2. Operation and Maintenance

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

Cleaning % of system/year

Root removal % of system/year

Flow monitoring % of system/year

Smoke testing % of system/year

Sewer line televising % of system/year

Manhole inspections % of system/year

Lift station O&M # per L.S./year

Manhole rehabilitation % of manholes rehabbed

Mainline rehabilitation % of sewer lines rehabbed

Private sewer inspections % of system/year

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Private sewer I/I removal % of private services

River or water crossings % of pipe crossings evaluated or maintained

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

We are planning to contract cleaning and televising of about 10% of our system per year for the future.

3. Performance Indicators

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

32.4	Total actual amount of precipitation last year in inches
38	Annual average precipitation (for your location)
19	Miles of sanitary sewer
7	Number of lift stations
0	Number of lift station failures
0	Number of sewer pipe failures
0	Number of basement backup occurrences
0	Number of complaints
	Average daily flow in MGD (if available)
	Peak monthly flow in MGD (if available)
	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

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

4. Overflows

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

Date	Location	Cause	Estimated Volume
None reported			

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

5. Infiltration / Inflow (I/I)

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

● Yes

○ No

If Yes, please describe:

Our collection system is old (including private) and flow increases steadily/rapidly with precipitation.

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5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? ☐ Yes ☒ No If Yes, please describe: 5.3 Explain any infiltration/inflow (I/I) changes this year from previous years: none 5.4 What is being done to address infiltration/inflow in your collection system? We are rehabbing manholes and trying to eliminate point source issues (sump pumps).	
--	--

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

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Grading Summary

WPDES No: 0024791

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	A	4	3	12
BOD/CBOD	A	4	10	40
TSS	A	4	5	20
Ammonia	A	4	5	20
Phosphorus	D	1	3	3
Biosolids	B	3	5	15
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial				
Collection	A	4	3	12
TOTALS			36	130
GRADE POINT AVERAGE (GPA) = 3.61				

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

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

City of Mineral Point

Date of Resolution or
Action Taken:

Resolution Number:

Date of Submittal:

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

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = A

Effluent Quality: Phosphorus: Grade = D

Starting near the end of July our Phosphorus control seemed to be reduced. We made some adjustments to our Alum feed rate and cleaned our sampler tubing. We thought perhaps it was tied to hauler waste and discontinued allowing outside waste into the plant. We also were wondering if our decant side stream was affecting treatment. After sharing data with our engineering consultant it was determined we were underdosing Alum. Our chemical feed pumps are flow based. As our flows decrease (less I and I) our Alum dose decreases and our Phosphorus concentration increases (not as diluted). We have been adjusting our Alum dosing for flow rate changes and this has improved our consistency in treatment.

Biosolids Quality and Management: Grade = B

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade =

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

Compliance Maintenance Annual Report

Mineral Point Wastewater Treatment Facility

Last Updated: Reporting For:
5/15/2025 **2024**

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)
G.P.A. = 3.61

RESOLUTION NO. 2025 -09

RESOLUTION TO VACATE AND DISCONTINUE A PORTION OF DOTY STREET IN THE CITY OF MINERAL POINT, IOWA COUNTY, WISCONSIN

WHEREAS, Wisconsin Statute section 66.1003(4)(a) permits a Common Council to vacate any street or portion of a street in the City when the public interest requires it; and

WHEREAS, the following described portions of Doty Street are platted but unopened public ways:

The North 56.12' of platted Doty Street adjoining lots 11, 12, 14, 15, 16, 17, and 18 of Block 21 of Strong's Addition, as further located in the NE $\frac{1}{4}$ and SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 31, T5N, R3E City of Mineral Point, Iowa County, Wisconsin.

WHEREAS, the above described portions of Doty Street have never been opened or worked, do not permit the best use of property adjoining the streets and do not serve a public purpose; *and*

WHEREAS, the Common Council, has determined it is in the best interest of the public and the City that the above described portions of Doty Street be vacated; and

WHEREAS, this resolution was introduced at a Common Council meeting held April 8, 2025; and

WHEREAS, a notice of the proposed discontinuance and vacation of the above described portions of Doty Street and a public hearing thereon was posted on or before April 22, 2025, and a copy of said notice was delivered or mailed to the owners of all the frontage of the lands abutting the street proposed to be vacated and discontinued at least 30 days prior to the public hearing on the proposed discontinuance; and

WHEREAS, a public hearing was held on June 10, 2025, pertaining to the proposed discontinuance and vacation of the described portions of Doty Street; and

WHEREAS, a resolution was adopted on June 10, 2025, vacating and discontinuing the described portions of Doty Street; and

WHEREAS, the Common Council finds that all of the procedural requirements provided by law have been complied with and fully met;

NOW, THEREFORE, BE IT RESOLVED BY THE COMMON COUNCIL OF THE CITY OF MINERAL POINT, IOWA COUNTY, WISCONSIN, AS FOLLOWS:

1. Portions of Doty Street, more particularly described below, shall be and hereby are declared and ordered vacated and discontinued:

The North 56.12' of platted Doty Street adjoining lots 11, 12, 14, 15, 16, 17, and 18 of Block 21 of Strong's Addition, as further located in the NE $\frac{1}{4}$ and SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 31, T5N, R3Em City of Mineral Point, Iowa County, Wisconsin.

2. This resolution, together with a copy of a Plat of Survey recorded January 19, 2017, in the Office of the Iowa County Register of Deeds as Document No. 348851, attached hereto as Exhibit "A", incorporated herein by this reference, which depicts the portions of Doty Street to be vacated, shall be filed in the office of the Register of Deeds for Iowa County, Wisconsin, as required by law.

Adopted and approved this 10th day of June 2025.

Danny Clark, Mayor

ATTEST:

Christy Skelding, City Clerk/Treasurer

It was moved by _____ and seconded by
_____ that the foregoing resolution be adopted.
Upon roll call vote, the following voted Aye: _____

The following voted No: _____

The Mayor declared the resolution adopted.

