

PUBLIC SERVICE COMMISSION OF WISCONSIN

Minutes and Informal Instructions of the Open Meeting of
Thursday, December 9, 2021

The Public Service Commission of Wisconsin (Commission) met as noticed. Present were Chairperson Valcq, Commissioner Nowak and Commissioner Huebner.

Minutes

The Commission approved the minutes of the open meeting of Thursday, December 2, 2021.

3320-TE-111 - Application of City of Manitowoc, as an Electric Public Utility, Manitowoc County, Wisconsin, for Tariff Changes

The Commission approved the Notice of Investigation and directed it to be signed by the Secretary to the Commission.

2275-WI-100 - Investigation into the Village of Glen Flora, Rusk County, Wisconsin, as a Water Public Utility, into its Failure to Submit a 2020 PSC Annual Report

The Commission approved the Notice of Proceeding and directed it to be signed by the Secretary to the Commission.

2450-WI-101 - Investigation into the Village of Hancock, Waushara County, Wisconsin, as a Water Public Utility, into its Failure to Submit a 2020 PSC Annual Report

The Commission approved the Notice of Proceeding and directed it to be signed by the Secretary to the Commission.

4139-ER-107 - Application of the City of New Richmond, St. Croix County, Wisconsin, as an Electric Public Utility, for Authority to Adjust Electric Rates

The Commission approved the Notice of Proceeding and directed it to be signed by the Secretary to the Commission.

5910-SA-100 - Application of the Village of Tigerton, Shawano County, as a Sewer Public Utility, for Authority to Deregulate the Sanitary Sewer Utility

The Commission approved the Notice of Proceeding and directed it to be signed by the Secretary to the Commission.

9705-FG-2021 - Project Year 2021 State Energy Program Formula Grant Awarded by the US Department of Energy

Wisconsin Refueling Readiness Grant Round III – Grant Awards

The Commission reviewed the budget for and grant applications received for the Wisconsin Refueling Readiness Grant Program, Round III, and made the following determinations and awards:

1. The Commission redistributed the remainder of unsubscribed funds from Area of Interest 1 to Area of Interest 2 and determined it would use those funds for awards in this grant round.
2. The Commission reallocated \$62,966 of unspent State Energy Program funds from the Critical Infrastructure Mircogrid Community Resiliency Center Grant Program to Area of Interest 2 and determined it would use those funds for awards in this grant round.
3. The Commission authorized awards to the applicants and in the amounts shown in the tables below:

AOI One: Tap Switch for Generator at County Highway Shop, Convenience Store, or Bulk Petroleum Storage Facility		
Applicant	Project Type	Grant Award
Country Visions Cooperative	Bulk Petroleum Storage Facility	\$16,875.00
Fuel Service DJ's Mart, LLC	Bulk Petroleum Storage Facility	\$30,000.00
Monroe County HWY Shop	Typical Highway Shop and Convenience Store	\$2,872.00
Oneida Nation 54 One-stop	Typical Highway Shop and Convenience Store	\$2,970.00
Oneida Nation Larsen Rd. One Stop	Typical Highway Shop and Convenience Store	\$2,530.00
Oneida Nation West Wind One Stop	Typical Highway Shop and Convenience Store	\$1,980.00
Sokaogon Chippewa Community	Typical Highway Shop and Convenience Store	\$5,000.00
Waupaca Co. Hwy Dept.- Helvetia	Typical Highway Shop and Convenience Store	\$5,000.00
Waupaca Co. Hwy Dept.- Larrabee	Typical Highway Shop and Convenience Store	\$5,000.00
Waupaca Co. Hwy Dept.- New London	Typical Highway Shop and Convenience Store	\$4,844.00

AOI Two: Generator Readiness	
Applicant	Grant Award
Bayfield County	\$37,350.00
Oneida Nation 4 Paths	\$85,800.00
Sawyer County Hwy Dept.	\$29,880.00
Shawano County Hwy Shop	\$35,000.00
Star North Cornucopia	\$12,865.48

The Commission directed the Division of Digital Access, Environmental and Consumer Affairs to draft an order consistent with its discussion.

3320-CW-115 - Application of the City of Manitowoc, as a Water Public Utility, for Authority to Construct a Water Main Extension Project Outside the City of Manitowoc's Corporate Limits, Manitowoc County, Wisconsin

The Commission authorized, with conditions, Manitowoc Public Utilities' (MPU) request to extend service in the Towns of Newton and Manitowoc and to construct a water main greater than 8 inches in diameter and longer than three miles, and made the following additional determinations:

1. MPU shall work with landowners adjacent to the pipeline to mitigate impacts to trees adjacent to the workspace to the extent practicable.
2. In lieu of providing information about laydown yards, MPU shall utilize existing parking lots or agricultural fields.
3. MPU shall submit executed Intergovernmental Agreements (IGAs) (but not non-resident service agreements) to the Commission prior to initiating service in the affected area and shall not begin construction of the project until it has executed IGAs with both the Town of Newton and the Town of Manitowoc.
4. MPU shall work with Commission staff on the development of reporting requirements and report to the Commission in a format and frequency to be determined by Commission staff and MPU. The reports shall provide information on the status of the remediation, including information relating to the contaminant plume migration, the contaminants sampled, the frequency and results of groundwater and private well sampling, the number of customers connected to the extended service, and any customer complaints received regarding eligibility for or connection to the extended service.

5. MPU shall work with Commission staff to develop a revised tariff defining the terms of service in the extended service area to be served by the main extension authorized in this proceeding. The revisions shall identify the definition of groundwater contamination and contaminants of concern for which the tariff applies, and identify the specific standards applicable for qualification for service under the tariff. MPU shall submit the revised tariff, along with additional information that is in support of the terms of the tariff and that relates to the extent of the contamination and the expected customers that are impacted for the duration of time that the tariff is in effect, and any other relevant information, for the Commission's consideration and approval.
6. MPU's request for an accounting waiver is granted for this specific project, allowing MPU to record assets associated with the project in Account 101.2 (Utility Plant in Service – Contributed Plant).

The Commission directed the Division of Water Utility Regulation and Analysis to draft an order consistent with its discussion.

The Commission adjourned the meeting at 11:07 a.m.

A handwritten signature in black ink that reads "Steffany Powell Coker". The signature is written in a cursive, flowing style.

Steffany Powell Coker
Secretary to the Commission

DL:01845865

From: Burton, Kyle - DNR
Sent: Wednesday, December 8, 2021 3:39 PM
To: Haag, Christine T - DNR; Nobile, Trevor W - DNR; Chronert, Roxanne N - DNR; Beggs, Tauren R - DNR
Subject: FW: 3320-CW-115 MPU Application

FYI

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Kyle A. Burton

Phone: (920)-662-5169

Cell: (920)-360-2112

Kyle.Burton@Wisconsin.gov

From: Schmidt, Denise - PSC <Denise.Schmidt@wisconsin.gov>
Sent: Wednesday, December 8, 2021 12:23 PM
To: Burton, Kyle - DNR <Kyle.Burton@wisconsin.gov>
Subject: 3320-CW-115 MPU Application

Hello, Kyle. Wanted to let you know that the Commission is scheduled to discuss the record in the Manitowoc water main extension case at tomorrow's open meeting. This link will provide information on the agenda: <https://apps.psc.wi.gov/APPS/eventscalendar/calendar.aspx>. The following link will help those interested in connecting to the live broadcast: <https://apps.psc.wi.gov/APPS/eventscalendar/broadcast/livebroadcast.aspx>.

Best regards,
Denise



Denise Schmidt

Administrator

Division of Water Utility Regulation and Analysis

Public Service Commission of Wisconsin

Denise.Schmidt@wisconsin.gov

Cell: 608-800-2941

Desk: 608-266-2981

psc.wi.gov

From: Karen Dorow <kdorow@manitowoc.org>
Sent: Thursday, October 7, 2021 11:57 AM
To: Beggs, Tauren R - DNR; Kathleen McDaniel; Dan Koski
Cc: Chronert, Roxanne N - DNR; Nobile, Trevor W - DNR; Haag, Christine T - DNR; Burton, Kyle - DNR; Kasdorf, James H Jr - DNR
Subject: RE: External: FW: WDNR Letter of Support Response

Thank you Tauren for the response.

Karen Dorow | Business Manager
City of Manitowoc
900 Quay Street
Manitowoc, WI 54220
Office (920) 686-6514
Mobile (920) 374-0404

From: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Sent: Thursday, October 7, 2021 8:12 AM
To: Karen Dorow <kdorow@manitowoc.org>; Kathleen McDaniel <kmcdaniel@manitowoc.org>; Dan Koski <dkoski@manitowoc.org>
Cc: Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>; Nobile, Trevor W - DNR <Trevor.Nobile@wisconsin.gov>; Haag, Christine T - DNR <Christine.Haag@wisconsin.gov>; Burton, Kyle - DNR <Kyle.Burton@wisconsin.gov>; Kasdorf, James H Jr - DNR <James.KasdorfJr@wisconsin.gov>
Subject: External: FW: WDNR Letter of Support Response

Good morning,

Please see the response below from the DNR Drinking Water & Groundwater Program.

If you have any questions, please let me know.

Regards,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

Tauren.Beggs@wisconsin.gov (preferred contact method during work at home)

From: Burton, Kyle - DNR <Kyle.Burton@wisconsin.gov>
Sent: Wednesday, October 6, 2021 11:11 AM
To: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Subject: RE: WDNR Letter of Support, PSC Formal Hearing with City of Manitowoc for Former Newton Tn Gravel Pit

Tauren –

DNR is not an official party in this proceeding and has not been invited by the Public Service Commission to enter testimony. Therefore we will not be writing a letter of support for entry into the record. However, DNR's support of the engineering aspect of the project along with the fact that municipal water is regarded by the department as a safe and reliable option for individuals whose private water well is impacted by contamination is referenced several times in testimony on record. These references can be found in the documents on the Commission's Electronic Records Filing (ERF) website under Docket ID: 3320-CW-115 and are linked below:

DIRECT TESTIMONY OF DAN KOSKI 8/20/21

<https://apps.psc.wi.gov/pages/viewdoc.htm?docid=419107>

Direct Testimony of Stephen P. Kemna 9/9/21

<https://apps.psc.wi.gov/ERF/ERFview/viewdoc.aspx?docid=421553>

If you or the City has any further questions or concerns please feel free to let me know.

Thanks

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Kyle A. Burton

Phone: (920)-662-5169

Cell: (920)-360-2112

Kyle.Burton@Wisconsin.gov

Be Alert !

This is External or System generated Email. Please verify before opening any links or attachments.

From: Beggs, Tauren R - DNR
Sent: Friday, February 26, 2021 8:39 AM
To: Burton, Kyle - DNR; Nobile, Trevor W - DNR
Cc: Peotter, Jodie M - DNR; Chronert, Roxanne N - DNR
(Roxanne.Chronert@wisconsin.gov); Haag, Christine T - DNR
Subject: FW: Public Service Commission Update for Manitowoc City/Former Newton
Tn Gravel Pit, BRRTS # 02-36-000268
Attachments: 2021-02-19 City Watermains South PSC Environmental Review.pdf

Good morning,

Attached is the latest update from PSC regarding the proposed water main extension project by the City of Manitowoc. This letter is being issued to property owners near the proposed water main project. This summarizes that:

- An environmental assessment (EA) was done and it was determined that no environmental impact statement (EIS) was needed because there would not be any significant or long-term environmental effects expected to result from the proposed project.
- Project will be completed in four phases/four extension areas, total estimated pipeline distance of 20,771 feet.
- City and MPU does not have authority to require homeowners to connect.

If you have any questions, please let me know.

Regards,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

Tauren.Beggs@wisconsin.gov (preferred contact method during work at home)

From: Henderson, Dave <Dave.Henderson@aecom.com>
Sent: Friday, February 26, 2021 7:04 AM
To: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Cc: GravelPit <GravelPit@manitowoc.org>
Subject: Newton Pit - PSC corr

Tauren,

He is a copy of the latest PSC correspondence concerning the environmental status of their review.

Thanks
dsh

David Henderson, P.E. (WI)
Senior Project Manager, Environment, Midwest
D +1-414-944-6190

M +1-414-429-8304
Dave.henderson@aecom.com

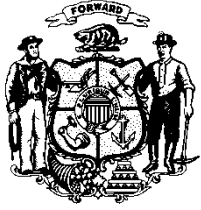
AECOM
1555 N RiverCenter Drive
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Public Service Commission of Wisconsin

Rebecca Cameron Valcq, Chairperson
Ellen Nowak, Commissioner
Tyler Huebner, Commissioner

4822 Madison Yards Way
P.O. Box 7854
Madison, WI 53707-7854

Public Service Commission of Wisconsin
RECEIVED: 02/22/2021 9:20:58 AM

February 19, 2021

Re: Application of the City of Manitowoc, as a Water Public Utility, for Authority to Construct a Water Main Extension Project in the City of Manitowoc, Town of Manitowoc, and Town of Newton, all in Manitowoc County, Wisconsin 3320-CW-115

To the Person Addressed:

Manitowoc Public Utilities (MPU) filed an application with the Public Service Commission of Wisconsin (Commission) on May 18, 2020, seeking authority to construct water main extension facilities in the City of Manitowoc, Town of Manitowoc, and Town of Newton, all in Manitowoc County, Wisconsin. The Commission is a state agency that regulates utilities and investigates proposed water supply projects of a given size or cost. The Commission is sending this letter to property owners near the proposed water main extension route. It is also being sent to public officials who may wish to place this notification in a location where it can be viewed by the public.

This is a Type II action under the Wisconsin Environmental Policy Act, Wis. Admin. Code § PSC 4.10(2). Type II actions require the preparation of an environmental assessment (EA) to determine whether an environmental impact statement (EIS) is necessary under Wis. Stat. § 1.11. A notification¹ of the Commission's intent to prepare an EA, including a solicitation for comments on the environmental aspects of this project, was mailed to landowners, local and regional media, affected municipal entities, the regional planning commission, and area legislators along the proposed route on July 20, 2020. An EA was prepared by Commission staff after receiving public comments and project information from MPU.

The preliminary determination indicates that no significant impacts on the human or natural environment are likely to occur as a result of the construction and operation of this project. Therefore, preparation of an EIS is not required. Comments regarding this determination can be directed to the contact person listed at the end of this letter. The remainder of this letter describes the primary impacts of the project and summarizes the conclusions of the EA. To obtain a copy of the EA, please request a copy from the contact person listed at the end of this letter.

Proposed Project

The project would consist of the installation of new water main to provide MPU-drinking water to multiple non-City properties that currently obtain their drinking water from impacted private potable groundwater wells. This would include the construction for a new water main from the existing MPU system as well as lateral service connections and house connections. The project would be completed in four phases, with a total estimated pipeline distance of 20,771 feet. The

¹ <https://apps.psc.wi.gov/ERF/ERFview/viewdoc.aspx?docid=393892>

water main would be constructed almost entirely within road ROW. MPU states one area of an easement acquisition to allow the pipeline to cross an agricultural field would be negotiated with a private landowner.

The four phases of extensions would extend water main along the following roads:

- Extension #1 – Starting from the existing water main on County Highway (CTH) CR, south to Thunder Ridge Road. It would proceed east and north along Thunder Ridge Road to Blackhawk Court and then east along Blackhawk Court.
- Extension #2 – Starting from Viebahn Street, it would proceed south along South 26th Street to Jenny Road. It would then proceed east along Nelsen Lane, as well as east along Birch Road, Elm Road, and Jenny Road. Also, north along Cimarron Court.
- Extension #3 – South along South 19th Street, from Viebahn Street to Lissa Lane. West to Jenny Road and east to South 15th Street.
- Extension #4 – South along South 15th Street, from Viebahn Street to Lissa Lane. West along Loan Oak Lane.

Project Need

MPU states there are approximately 110 wells located within the proposed water main expansion area, 44 percent of which, at the date of the application, are impacted with chronic contamination by volatile organic compounds. MPU states the wells in the area not yet impacted are considered to be at imminent risk of contamination. MPU can provide potable water via bottles or replacement wells; however, MPU proposes the current project as a long term solution to the problem of well contamination in the project area.

Currently, the City of Manitowoc and MPU reports they do not have the authority to require private homeowners with contaminated potable wells to connect to the new water main. MPU is currently taking a voluntary approach to encourage homeowner participation. The DNR has stated that the City's obligation is to provide a source of drinking water, and the property owner has the final decision as to whether or not to connect. That situation may change in the future. As part of the project, private wells would be abandoned after water main hookup, with the City likely covering the costs of well abandonment as well as water pipeline construction.

Potential Natural Resource and Social Impacts

MPU would acquire all necessary easements and permits prior to the start of construction. Site preparation activities would include clearing vegetation and grading soil, as needed, to provide a level work area for pipe laying and transport. As construction would occur adjacent to roads, the road shoulder would likely be closed to provide more room for construction crews. Road lanes may also need to be closed to allow for construction to safely proceed. The installation of the water supply pipeline would predominately be done through open trenching, where any hard surface or paving and soils are excavated and then replaced after the pipe is installed.

Construction equipment to be used includes dozers, graders, excavators, trenchers, backhoes, dump trucks, and various other trucks or machinery. Trench sizes can vary depending on construction areas, available space, any existing infrastructure, or environmental requirements. MPU states that the typical trench dimensions would be eight feet wide, and minimum six feet of burial depth for the pipeline. Three waterways, County Highway CR, and some other local roads would be directionally bored (trenchless construction) to reduce impacts of construction. The disturbance zone would be within the public road ROW, with the exception of approximately 1,200 feet off of Jenny Road extended across private property, which would require a permanent easement.

The proposed project would create increased noise, vibrations, and air pollution in the areas of construction. Individuals in the immediate vicinity of construction activities would experience these impacts from construction activities and may find them annoying or disruptive. Where the route would cross roads or driveways, there would be impacts to landowners or those driving in the area. Some roads and driveways would likely experience closures for some duration, often not more than 24 hours. Localized dust and diesel fumes would be expected as a result of construction activity and vehicle traffic. The potential for erosion and runoff would be expected in areas of excavation or materials storage. The use of BMPs and appropriate erosion control measures should avoid or minimize this risk.

Questions from the public included what changes would happen due to water service connection both for water supply and waste disposal. At this time, no extension of sewer service is planned. Residents would become customers of MPU and pay for water service; although, details of these arrangements have not been finalized. Costs of installing water pipeline and restoration of the construction disturbance zone would likely be covered by the City of Manitowoc, not the residents of the area.

Conclusion

The analysis in the EA finds that no significant or long-term environmental effects would be expected to result from the proposed project along the potential routes as described with stated construction methods and mitigation plans. The primary community impacts include localized noise, vibrations, dust, and diesel fumes. In addition, some lane closures and traffic congestion would likely occur along the project route as construction activities are in a given area. All of these impacts would be short-term. No environmental impacts that would warrant the preparation of an EIS are expected. Thus, preparation of an EIS as described in Wis. Stat. § 1.11 is not required for this project.

Copies of the EA are available upon request, either in electronic or paper format (for a paper copy, an address must be provided). Requests for a copy of the EA should be made to Adam Ingwell at the Public Service Commission of Wisconsin by telephone at (608) 267-9197, by e-mail at adam.ingwell@wisconsin.gov, or by post directed to Adam Ingwell at the Public Service Commission, P.O. Box 7854, Madison, Wisconsin 53707-7854.

To the Person Addressed
Docket 3320-CW-115
Page 4

Comments on the finding of no significant impact for this proposed project should be made to Adam Ingwell at the address above, or by email at adam.ingwell@wisconsin.gov.

All comments must be received by March 8, 2021.

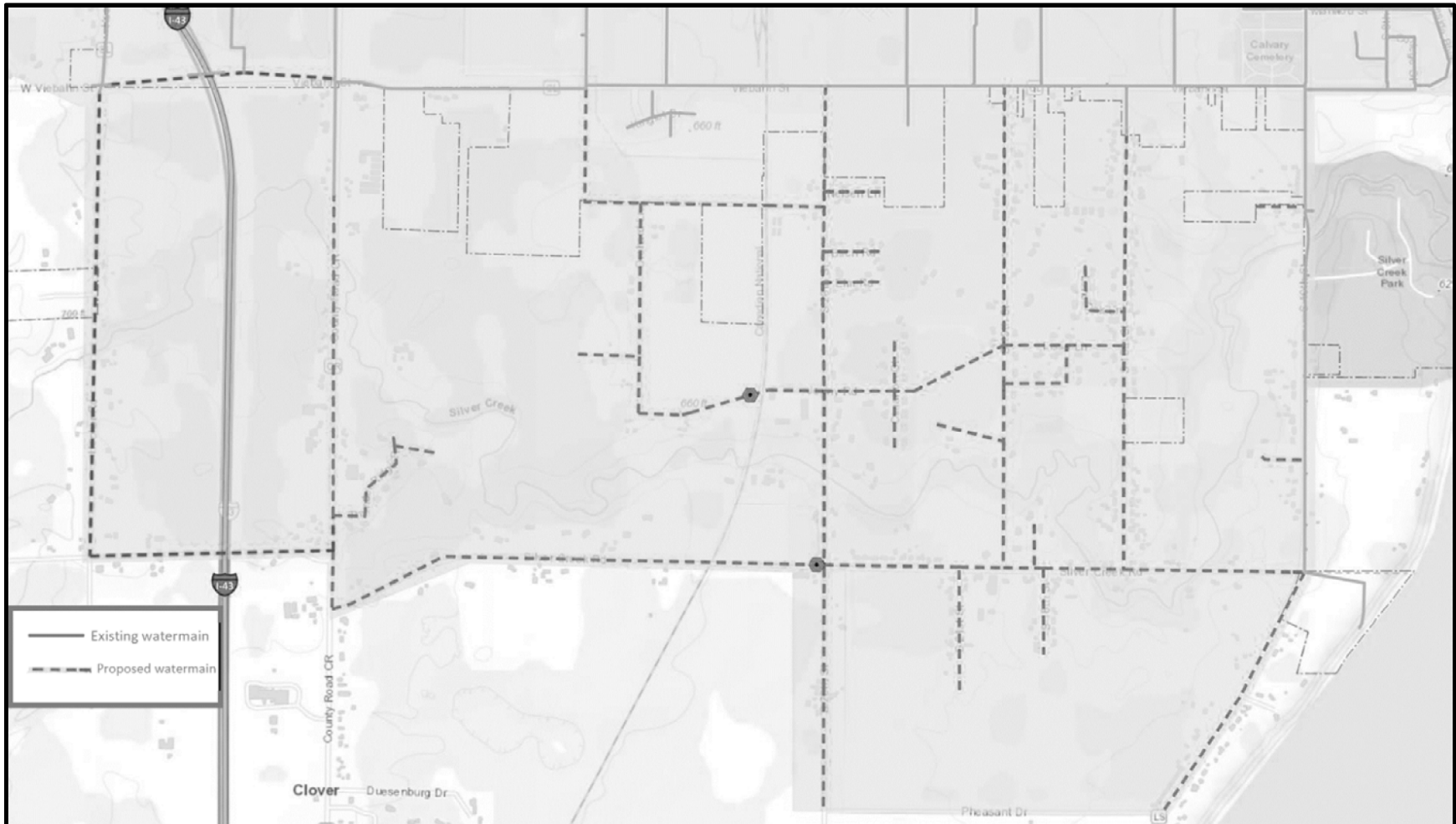
Sincerely,

A handwritten signature in cursive script, appearing to read "Adam Ingwell".

Adam Ingwell
Environmental Affairs Coordinator – Supervisor
Division of Digital Access, Consumer and Environmental Affairs

STS:pc DL:01760237

3320-CW-115, Map of the Proposed Project Area.



From: Beggs, Tauren R - DNR
Sent: Monday, February 22, 2021 12:44 PM
To: Burton, Kyle - DNR
Cc: Chronert, Roxanne N - DNR (Roxanne.Chronert@wisconsin.gov)
Subject: Follow up on PSC Data Request #4, No More Environmental Questions from PSC and Question about Refusal of Hookup to Water Main

Hi Kyle,

DNR does not need to look at the Public Service Commission questions anymore. I got an update that the Public Service Commission doesn't have any more questions for the environmental aspects of the project and provided a letter to the City on 2/19/2021 stating that. I asked that the City provide the letter so I have a copy of it. They only have non-environmental questions now, which DNR would not get involved with.

The only question now that DNR needs to provide is in relation to the screenshot below. The City has asked for an explanation on what the statute or code reference is on if the property owner refuses to connect the City can't force impacted properties to connect to the water main. Roxanne indicated to me that you have likely already answered this for some other sites such as the JCI site.

Request No: PSCW-MBW-25:

At the present time, Commission staff understands connection to the public water mains would be voluntary. Will the service agreements with the Towns of Newton and Manitowoc provide provisions that would require affected properties to connect to the proposed water mains?

Response:

Per the WDNR's representation to the City of Manitowoc on the City's obligations under relevant Wisconsin law, the City of Manitowoc may not mandate affected properties to connect to the proposed water mains. Per the WDNR, the City of Manitowoc must show proof to the WDNR that the property owner rejected the offer of hook up and then the WDNR will reach out to the property owner to confirm rejection.

If you have any questions, please let me know.

Thanks,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

Tauren.Beggs@wisconsin.gov (preferred contact method during work at home)

From: [Beggs, Tauren R - DNR](#)
To: [Burton, Kyle - DNR](#)
Cc: [Chronert, Roxanne N - DNR \(Roxanne.Chronert@wisconsin.gov\)](#)
Subject: FW: External: RE: City Watermains South - PSC Data Request #4: 3320-CW-115
Date: Monday, February 15, 2021 10:30:00 AM
Attachments: [image001.png](#)
[DRR - Exhibit 3 - Response-Data Request-PSC-Williams-4 \(404129\).PDF](#)
[DRR - Exhibit 2 - Response-Data Request-PSC-Williams-4 \(404128\).PDF](#)
[DRR - Exhibit 1 - Response-Data Request-PSC-Williams-4 \(404127\).PDF](#)
[DRR - Response-Data Request-PSC-Williams-4 \(404126\).PDF](#)

Hi Kyle,

Attached are the questions and responses for the 4th round of questions from the PSC to the City of Manitowoc. Please let me know if there is anything I can assist with.

Thanks,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

Tauren.Beggs@wisconsin.gov (preferred contact method during work at home)

From: Kathleen McDaniel <kmcdaniel@manitowoc.org>
Sent: Thursday, February 11, 2021 4:45 PM
To: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>; Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>
Subject: FW: External: RE: City Watermains South - PSC Data Request #4: 3320-CW-115

Here are the questions and our answers.

Kathleen M. McDaniel

Manitowoc City Attorney

(920) 686-6990

kmcdaniel@manitowoc.org

From: Dawson, Deborah D (21693) [<mailto:dddawson@michaelbest.com>]
Sent: Monday, February 8, 2021 4:15 PM
To: Kathleen McDaniel
Cc: Callisto, Eric J (24437)
Subject: RE: External: RE: City Watermains South - PSC Data Request #4: 3320-CW-115

Hi Kathleen,

The file stamped filings are attached per your request. Please let me know if you need anything else. Thank you.

Deb

Deborah D. Dawson

Legal Assistant

T 608.416.1693 | michaelbest.com



From: Kathleen McDaniel <kmcdaniel@manitowoc.org>

Sent: Monday, February 8, 2021 4:10 PM

To: Dawson, Deborah D (21693) <dddawson@michaelbest.com>

Subject: RE: External: RE: City Watermains South - PSC Data Request #4: 3320-CW-115

Hi Deborah,

Could I please get a copy of our final submittal to the PSC?

Kathleen M. McDaniel

Manitowoc City Attorney

(920) 686-6990

kmcdaniel@manitowoc.org

From: [Beggs, Tauren R - DNR](#)
To: [Kathleen McDaniel \(kmcdaniel@manitowoc.org\)](mailto:kmcdaniel@manitowoc.org)
Subject: PSC Questions
Date: Tuesday, February 2, 2021 8:18:00 AM

Hi Kathleen,

Can you forward the PSC's 4th round of questions to me? Then I will provide them to Kyle Burton in the Drinking and Groundwater Program to see if there is anything he can help with or not.

Thanks,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Hydrogeologist & Northeast Region Land Recycling Expert

Remediation and Redevelopment Program

Wisconsin Department of Natural Resources

2984 Shawano Ave

Green Bay, WI 54313

Phone: (920) 510-3472

Tauren.Beggs@wisconsin.gov (preferred contact method during work at home)

dnr.wi.gov

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-20

The proposed water main extensions are intended to service properties in the Town of Newton and the Town of Manitowoc that currently have private wells that are contaminated with volatile organic compounds (VOCs). In its data request response to PSCW-MBW-3, the Utility acknowledged its current tariff provisions do not allow the Utility to extend water mains outside the City of Manitowoc's (City) corporate limits. (PSC REF#: 395112) How does the Utility propose to address the present limitation on water main extensions outside the City's corporate limits? Is the Utility specifically seeking authority from the Commission to extend service outside the corporate limits as part of its construction application?

Please verify the current estimated project cost. Provide a breakdown of those costs by construction within public rights-of-way and construction on private property. Will grants or loans through the Safe Drinking Water Loan (SDWL) program allow these funds to be expended on private property? Describe. If SDWL funds cannot be used to pay for privately owned service lines and abandonment of private wells, how does the Utility propose to fund these construction costs?

Response:

MPU intends to submit a request for one or more tariff modifications to address the current language in its tariffs that limits such water main extensions to within the City of Manitowoc boundary. MPU intends to make that filing in the near future, and anticipates seeking Commission resolution of that tariff modification(s) on the same or similar schedule as the decision on the current request for a certificate of authority for the water infrastructure. Additionally, the City of Manitowoc intends to enter intergovernmental agreements with the Town of Newton and the Town of Manitowoc, pursuant to Wis. Stat. § 66.0813(3)(b), to provide limited water service to those towns, through MPU, once the PSCW has approved this project. MPU currently provides service to certain customers in the Town of Manitowoc and the Town of Newton, as further described in MPU's response to PSCW-MBW-5. As such, it does not believe it needs a certificate of authority to serve those "municipalities." See Wis. Admin. Code PSC § 184.03(2) (requiring a certificate of authority prior to "[c]onstructing facilities or initiating service in a municipality not currently served by the utility."). However, MPU's application in this proceeding, as well as its data request responses to date, provide substantial

evidence to support a request to extend additional service to the two towns. To the extent the Commission disagrees with MPU's conclusion that a CA is not needed for the express purpose of providing such additional service, it requests that the Commission treat the application as seeking such approval.

The current estimated Project cost is \$3,137,406, for construction activities that require Commission approval. The original filing provided a figure of \$3,429,900 (Application at Section E). That figure included \$602,165 for costs that are not jurisdictional to the PSCW (lateral to the home, plumbing in the home, well abandonment). The City of Manitowoc's SDWL application used a figure of \$3,739,571, which included the above-mentioned \$3,429,900 plus additional costs for engineering, inspection, and contingency. The SDWL grant will not allow funds to be used to tie in properties to the water main. The City of Manitowoc will be funding these costs. Well abandonment costs are eligible to be reimbursed through the SDWL monies.

Non-participating MPU customers will not fund any costs of the Project.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-21:

In addition to funds from the City, does the Utility intend to assess properties that will be served by the water main or use other connection charges? If the Utility will use more than one funding source, please provide a breakdown of project costs by funding source. Does the Utility intend to record the new infrastructure as Utility Financed Plant or Contributed Plant? If the Utility intends to use both account types, please provide a breakdown by plant account, keeping in mind that the Uniform System of Accounts (USOA) requires that plant funded by the Utility or City by [sic] classified as Utility Financed Plant. Under the USOA, plan [sic] funded by assessments or other similar charges to the property owners is required to be classified as Contributed Plant, even if the property owner is not required to pay the assessment until a future year.

Response:

MPU does not intend to assess properties that will be served by the water main, or otherwise assess connection charges. The water main will serve only customers with contaminated properties, as determined by the City of Manitowoc, and only the subset of those customers who want to be connected to the water main. The City of Manitowoc will pay for all costs associated with connecting such customers to the MPU system.

The entire cost of the Project is being paid for by the City of Manitowoc, which will receive a portion of the funding from a SDWL loan from the Wisconsin Department of Natural Resources. MPU would like to record this investment as Contributed Plant for both the portion paid for through forgivable SDWL money as well as the non-forgivable component of the SDWL funding. This will ensure current ratepayers are not negatively impacted by the cost of the Project and represents a change from MPU's initial filing. As noted in the response to PSCW-MBW-22, MPU is seeking a waiver of the traditional accounting treatment for these assets.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-22:

Commission staff understands that the Utility desires to minimize construction and other future costs for the project from being allocated to current and future customers of the Utility in future rate cases. Is the Utility requesting that the Commission consider non-standard accounting treatment for the project costs that are required to be classified as Utility Financed Plant under the USOA or for operating costs related to serving customers outside the City limits? If so, what is the Utility's proposal?

Response:

MPU does want to minimize costs of this extension to non-participating customers of the utility, as the extension is being done to address a specific and unique need of customers residing outside of the City of Manitowoc. While MPU and the City of Manitowoc recognize and are acting on the impact of past actions to these new customers' existing water supply, that action should not, to the extent possible, result in additional costs to other MPU customers.

In order to ensure a *de minimis* impact of the current application to existing MPU customers, MPU seeks non-standard accounting treatment for certain Project costs. The total cost of the Project would be booked to 101.2 – Contributed Plant. MPU also seeks a waiver from allocating O&M costs of the Project to all customers and seeks to isolate those costs to the customers connecting to the Project. MPU's accounting system can segregate costs through 'projects' (i.e. distinct costs). Types of costs would be:

- Labor for operating valves, flushing hydrants, responding to main breaks, etc.
- Treatment costs (chemicals/power/etc.) allocated based on sales volumes.
- Existing infrastructure to serve including treatment plant and mains to get to the Project site allocated based on sales volumes.
- System wide studies allocated based on volume sales.
- Any other unforeseen O&M costs not specifically identified.

The City will be responsible for the future replacement of the water mains upon asset end of life should the asset not become located within City of Manitowoc limits prior to reaching end of life.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-23:

How does the Utility intend to recover ongoing project costs once water service is initiated? Will the Utility charge the connected properties consistent with its existing tariff provisions? Does the City intend to cover the cost of the new customers' bills for a period of time? If yes, for what duration of time, and is the Utility considering separate agreements between the City and individual customers and/or the Utility to memorialize the terms of the agreement(s)? Is the Utility proposing creation of a separate customer class that would have specific charges for the non-city customers whom are the subject customers of the construction application? Describe the Utility's proposal.

Response:

In addition to the modification to the main extension tariff that MPU intends to file, it also will file for approval of a new tariff to cover service to customers who reside outside of the City of Manitowoc limits and receive service on either the Viebahn infrastructure or the infrastructure that is the subject of this proceeding. That tariff that will include the following:

- A pro rata share of the O&M costs for other MPU infrastructure that will serve them.
- A pro rata share of the capital costs for other MPU infrastructure that will serve them.
- The cost to pump and treat the water provided.
- Allocated share of system wide studies and any other unforeseen costs not specifically identified.

O&M costs attributable to the specific assets servicing customers not residing in the City of Manitowoc and receiving service from this Project or the Viebahn project will be paid for by the City of Manitowoc going forward. The City of Manitowoc does not intend to otherwise subsidize the new customers' water bills. Each new customer is responsible for their water bills under the new tariff to be filed by MPU.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-24:

In its response to PSCW-MBW-7, the Utility stated it would provide an update on the status of the City's pending intergovernmental agreements with the Towns of Newton and Manitowoc when information becomes available. (PSC REF#: 395112.) Please provide an update on the status of these agreements.

Response:

The City of Manitowoc has had preliminary discussions with the Towns of Newton and Manitowoc regarding the water main construction. Agreements will not be pursued until approval to construct the water main has been received. The City and the WDNR are planning joint outreach events to the townships and impacted residents, but plans to have approval of the Project in place prior to scheduling those meetings. The City is currently drafting relevant agreements.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-25:

At the present time, Commission staff understands connection to the public water mains would be voluntary. Will the service agreements with the Towns of Newton and Manitowoc provide provisions that would require affected properties to connect to the proposed water mains?

Response:

Per the WDNR's representation to the City of Manitowoc on the City's obligations under relevant Wisconsin law, the City of Manitowoc may not mandate affected properties to connect to the proposed water mains. Per the WDNR, the City of Manitowoc must show proof to the WDNR that the property owner rejected the offer of hook up and then the WDNR will reach out to the property owner to confirm rejection.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-26:

Commission staff understands that there are other wells in the proposed service area that have not, to date, shown any VOC contamination. Should these wells become contaminated in the future, would the properties be allowed or required to connect to the water mains? Would properties connected in the future be assessed in the same manner and/or pay the same water rates as those properties that are identified at present?

Response:

If a property has a detect in the future the City of Manitowoc would allow and encourage the property owner to connect to the water main, and would pay to run a lateral to the property. Properties would be treated in the same manner as the currently affected properties.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-27:

Will a property served by a non-contaminated private well be allowed to connect to the water mains if the property owner requests service? If so, how will the Utility assess these properties for connection? How will the Utility charge these properties for water service?

Response:

Properties with non-contaminated private wells will not be allowed to connect to the water main unless the property owner chooses to annex into the City of Manitowoc.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-28:

Will municipal water service be limited to residential properties only? Does the Utility intend to provide service to commercial and industrial properties as well?

Response:

MPU intends to provide service to all customers who are determined by the City of Manitowoc to have contaminated property, regardless of customer class.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-29:

On what basis did the Utility size its proposed mains? Did the design considerations include service to undeveloped and/or non-residential properties? Will service to undeveloped properties be addressed in the City's service agreements with the towns? Does the Utility expect that all properties along the water main extension, both those within and outside the City, will eventually connect to the water main?

Response:

A hydraulic model analysis was performed by MPU and AE2S. The model included a full build-out of the distribution system to serve anticipated properties. The design included an assumption of service to undeveloped and non-residential properties, based on Township zoning information. The City anticipates that undeveloped properties will not be addressed in the service agreements with the towns. MPU anticipates that only contaminated properties along the water main extension outside the City will eventually connect to the water main, and only if they choose to do so.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-30:

Please provide a summary of public hearings or meetings that involved discussion of the proposed water mains with the owners of the properties outside the City which are to be served.

Response:

The City of Manitowoc had tentatively scheduled a town hall meeting for last fall but due to the restrictions of COVID the meeting was postponed. In lieu of a public meeting the City sent letters to property owners in the affected area updating them on the contamination and of the potential water main construction. Property owners receive regular testing and communication from the City. The City is still working with the WDNR to coordinate a virtual town hall event to comply with COVID restrictions. In September of 2020, relevant property owners received a letter from the City in regard to the Project. That letter is attached as Exhibit 1.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-31:

Please provide a summary of public comments about the project that the Commission, the Utility, and/or the City have received and any responses the Utility or City has provided.

Response:

The City has received calls and emails regarding the environmental impacts to homeowners. Most of these communications are not focused on water main but the contamination issue. The City informs homeowners in the impacted area that the intention is to install a water main as a long-term solution to the contamination, subject to PSCW approval. The majority of homeowners that have spoken to City staff have reacted positively to this news.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-32:

To the Utility's knowledge, are any of the owners of the affected properties outside the City represented by legal counsel? If so, provide contact information for the property owners' counsel, and list which property owner is represented by the counsel.

Response:

MPU and the City are unaware of any owner of potentially affected property being represented by legal counsel in relation to this proceeding. MPU has not inquired, and routinely does not inquire, about legal representation of its customers in relation to MPU matters.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-33:

Is the City currently conducting water quality sampling in private water supply wells located outside the City? If so, provide a description and/or maps to describe the wells and their location. How long will this sampling continue?

Response:

Volatile organic compound (VOC) along with per- and polyfluoroalkyl substances (PFAS) monitoring is currently being conducted under WDNR approved workplans. A summary of the VOC monitoring information is presented on Exhibit 2, "DRAFT – VOC Five Year and Expanded Downgradient Monitoring Potable Well Results (1/20/21)." Exhibit 2 presents the locations of the private water supply wells that have been monitored for VOCs by the City. A color coded description of the summarized sample results is presented in the figure legend. PFAS monitoring information is presented on Exhibit 3, "PFAS Potable Well Sampling Results (2018-2020)."

There is currently no sampling end-date identified.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-34:

In response to PSCW-MBW-6, the Utility stated that 4,891 feet of water main was installed at a cost of \$311,642 on Viebahn Street and County Road CR in 2015 to serve residences with contaminated wells. (PSC REF#: 395112.) The Utility stated that this water main extension that is a mix of City and non-City property owners was fully funded by the City. The Utility further stated that, as additional properties connect, the City is reimbursed through assessment charges to property owners.

- a. The Utility reported an addition of \$368,263 for Viebahn Street water main in Account 200 (Capital Paid In by Municipality) in the 2016 PSC Annual Report. Please explain why this amount is higher than the \$311,642 cost of the water main extension.
- b. Provide a list of properties that have connected to the water main so far and the amount assessed to each property owner and reimbursed to the City.
- c. Does the Utility expect that property owners – both those within and outside the City - will eventually reimburse the entire cost of the water main extension to the City? Is this amount \$311,642, \$368,263, or some other amount?
- d. How has the Utility reported the reimbursement by property owners in the PSC Annual Reports? Please provide a copy of all relevant entries.
- e. Were property owners responsible for the cost to abandon private wells, or did the City reimburse property owners for this cost?

Response:

- a. MPU used the water main construction cost of \$311,642 in its response to PSCW-MBW-6. The \$368,263 in Account 200 in the 2016 PSC Annual Report is the full book value, and includes construction, design, engineering, and other associated costs. This was all funded by the City.
- b. There have been nine (9) residential water laterals and connections to the Viebahn Street extension, at the following locations:

2717 CTH CR/4141 Viebahn
2734 CTH CR
2916 CTH CR
3617/3621 Viebahn*
3701 Viebahn
3815 Viebahn
4025 Viebahn*
4101 Viebahn*
2917 CTH CR

These nine properties were part of the original planned connections to the Viebahn Street extension and were not assessed by the City. In 2017, Forest Creek Apartments petitioned to connect to the water main, and were allowed to connect. They were assessed \$18,305 and that money was provided to the City. The three asterisked properties are inside the City of Manitowoc.

- c. MPU does not anticipate that enough customers will connect to the Viebahn Street extension to reimburse the full amount expended by the City.
- d. The Utility recorded the above assessment as follows:
 - 1. Debit – Accounts Receivable – \$18,304.92 / Credit – 421-Contributions \$18,304.92 (bill to apartment complex).
 - 2. Debit – 421-Contributions – \$18,304.92 / Credit – Accounts Payable \$18,304.92 (remittance of funds to City).
- e. The City of Manitowoc contracted and paid for well abandonment.

**Response of
Manitowoc Public Utilities
To Data Request-PSC-Williams-4**

Docket Number: 3320-CW-115
Date of Request: January 19, 2021
Response Date: February 2, 2021
Information Requested by: Mark Williams

Request No: PSCW-MBW-35:

Was the Viebahn Street and County Road CR water main extension reported as plant additions in the 2015 or 2016 PSC Annual Report? Please identify all project costs added to plant by PSC account number and specify if the costs were added to Utility Financed Plant or Contributed Plant.

Response:

The Viebahn Street / County Road CR water main extension was reported as plant additions in 2016. Although the water main was installed in 2015, street reconstruction and timing of the SDWLP application for City extend the project closeout into 2016. Project costs added in 2016 were as follows:

Account 325 (Electric Pumping Equipment)	\$2,393.40
Account 343 (Distribution Mains)	\$282,048.68
Account 348 (Hydrants)	\$83,821.21
Total Costs	\$368,263.29

This project was erroneously recorded to contributed plant as staff assumed any plant not paid for by the utility was considered contributed. Consistent with the request to treat this CA project as Contributed plant, MPU requests retroactive approval of recording this Viebahn Street project to Contributed Plant as well. The six (6) properties currently served by the Viebahn Street project that are outside of the City limits would be transferred to the proposed new tariff. If in the future the City were to annex properties served by this Project or the Viebahn Street project into the City, MPU would request PSCW approval to transfer the net book value to Utility Financed and then transfer the customers to its standard water rate tariff for retail customers. If annexed, the City's responsibility to replace this water main at end of life would be eliminated and become part of the utility's rate base which would earn a rate of return and depreciation expense recovery to fund the future main replacement.

Manitowoc Public Utilities
Docket No: 3320-CW-115

Public Service Commission of Wisconsin
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EXHIBIT 1

Response-Data Request-PSC-Williams-4

September 17, 2020

(insert property owner name)
(insert property owner address)
(insert property owner city, state,zip)

Re: (insert Address)

Dear (insert property owner name):

The City has received numerous calls regarding the letter you received from the Public Service Commission (PSC) about the potential water main construction. This letter is to update you on the activities the City has undertaken and answer concerns you may have.

As part of an ongoing environmental groundwater investigation associated with the Former Town of Newton Gravel Pit, the City of Manitowoc has expanded potable well testing for volatile organic compounds (VOCs) into the Town of Manitowoc.

During the sampling that took place over the winter and this spring several properties on S. 15th Street and S. 19th Street showed the presence of VOCs above Enforcement Standards. Affected property owners were notified by the City and bottled water is being supplied until a permanent clean water source is determined. Additional testing in the area is ongoing.

The City is looking at several options to supply a permanent clean water source to affected properties including the feasibility of running municipal water. In order to install the water main, a number of steps would need to be taken, including:

- Design of the water main
- PSC approval of the water main construction
- Obtaining financing for construction of the water main
- Reaching agreements with the townships to install water mains
- Wisconsin Department of Natural Resources (WDNR) approval of the water main as a remedial solution
- Manitowoc Public Utilities (MPU) Commission approval to construct water main
- Manitowoc Common Council approval to construct the first phase of the water main
- Public bidding of the water main in accordance with Wisconsin Law

Currently, MPU has applied for PSC approval for the water main and the City has applied for a Safe Drinking Water Loan from the WDNR to help finance the main. In order for PSC approval to be granted,

the PSC needs to take a number of steps, including notifying prospective properties that may be served by the main about the proposal from MPU.

Frequently Asked Questions

- Who will pay for the water main? The City of Manitowoc will be paying for the water main, hook up at affected properties and well abandonment at affected properties.
- Will I be able to hook up to water main? If your property has had a detect, you will be able to hook up to the water main.
- The letter said you would be starting construction in June of 2020. What is the status? If water main is the approved option construction would not start until summer 2021.
- The letter states that my well is in imminent danger of being contaminated. What does that mean and when will you be testing wells not affected again? Due to the nature of fractured bedrock the City cannot predict where future impacts may be. The City is developing a sampling plan with the WDNR that is continuously evolving as more information becomes available.
- Will you be running sanitary along with water main? No
- Will you be annexing my property? The City is not considering, nor can they legally request, properties in the Town be annexed into the City.

If you have questions about the Former Newton Gravel Pit project, please contact Karen Dorow at (920) 686-6514.

Sincerely,

Kathleen M. McDaniel
City Attorney

Dan Koski
Director of Public Infrastructure

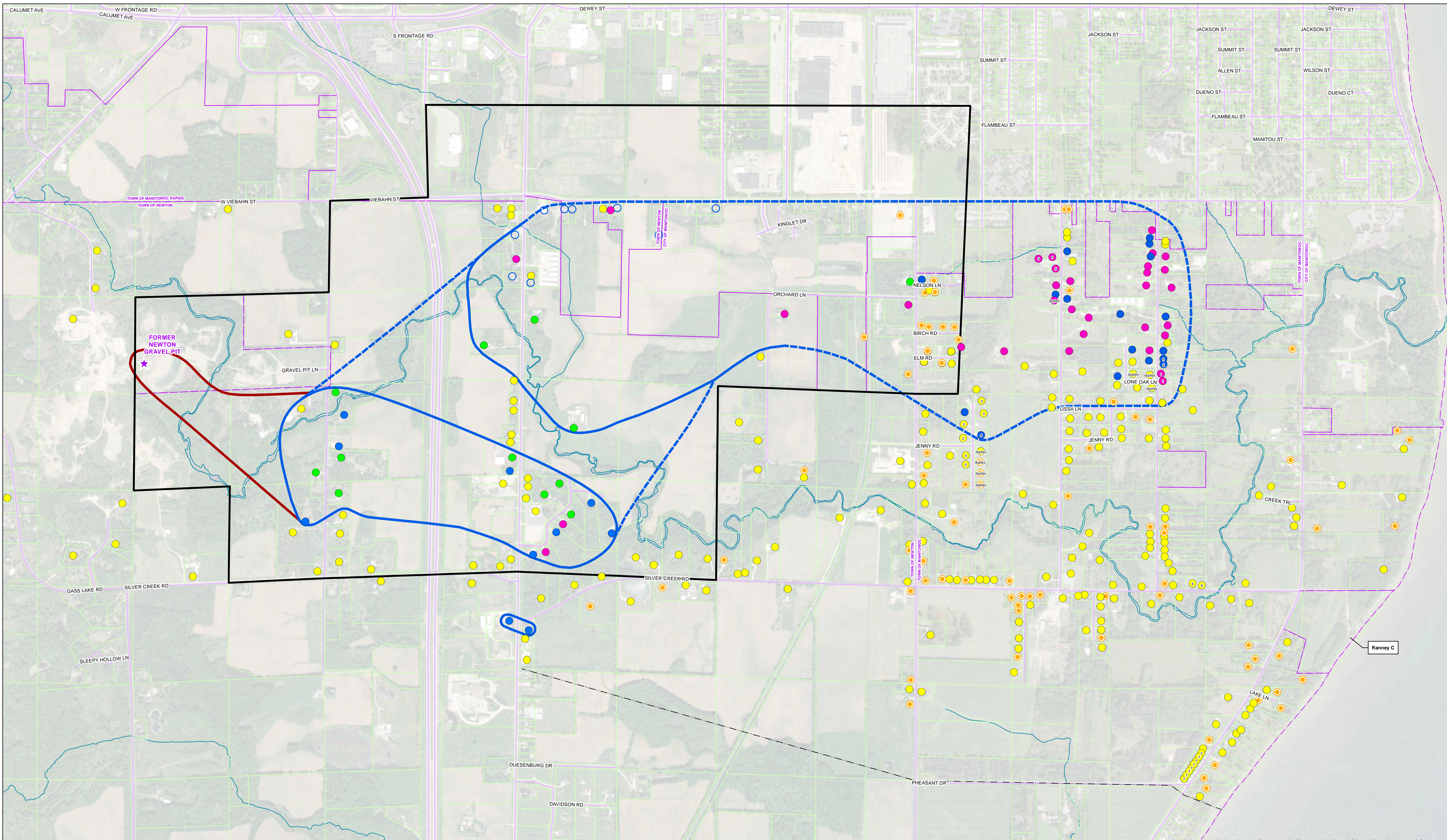
CC: Town of Newton Chairman – Roger Busse
Town of Manitowoc Chairman – Dale Markwardt

Manitowoc Public Utilities
Docket No: 3320-CW-115

Public Service Commission of Wisconsin
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EXHIBIT 2

Response-Data Request-PSC-Williams-4



Legend

- ★ Site Location
- Potential PW Location
- Vinyl Chloride ES Exceedance
- C1s-1,2-DCE Detection
- Non Detection (VC and C1s)

5 Year Plan Wells

- Vinyl Chloride ES Exceedance
- C1s-1,2-DCE Detection
- Non Detection (VC and C1s)
- Replacement Well with No Detects

Expanded Sampling Limits

- Expanded Sampling Limits
- DNR Special Well Casing Depth Area
- Target Zone
- Inferred Target Zone
- Former Gravel Pit Zone

Other Features

- Municipality Boundaries
- Parcels
- Streams
- Road Centerlines

0 300 600 1,200 Feet

AECOM
Milwaukee Office
1555 River Center Dr
Milwaukee WI

FORMER NEWTON GRAVEL PIT

DRAFT - VOC 5 YEAR AND EXPANDED DOWNGRADIENT MONITORING POTABLE WELL RESULTS (1/20/21)

Project No. 60135471

Date: January 2021

FIGURE X

C:\naa\Projects\Newton\GIS\MapDocs\Fig_X_2021_Expanded\REVW_Jan2021.mxd

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Manitowoc Public Utilities
Docket No: 3320-CW-115

Public Service Commission of Wisconsin
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EXHIBIT 3

Response-Data Request-PSC-Williams-4

- Notes:
- Units are in ng/L.
 - J - Estimated value (+/- indicates bias)/Value is below the Reporting Limit/LOQ
 - B - Compound detected in the method blank
 - Q - Ion transition ratio is outside of the acceptance criteria
 - Only detected compounds are show – see laboratory reports for full list of analytes.
 - BOLD indicates a proposed Preventive Action Limit (PAL) Exceedance in groundwater for PFOA and PFOS, individually or combined.
 - BOLD and Underline indicates a proposed Enforcement Standard (ES) Exceedance in groundwater for PFOA and PFOS, individually or combined.
 - The proposed ES exceedances may be based on the individual or combined standard for NEtFOSE, NEtFOSA, NEtFOSAA, FOSA, PFOS and PFOA.
 - PFBA=Perfluorobutanoic acid
PFPeA=Perfluoropentanoic acid
PFBS=Perfluorobutanesulfonic acid
4:2 FTS=4:2 FLUOROTELOMER SULFONIC ACID or 4:2 FTSA
PFHxA=Perfluorohexanoic acid

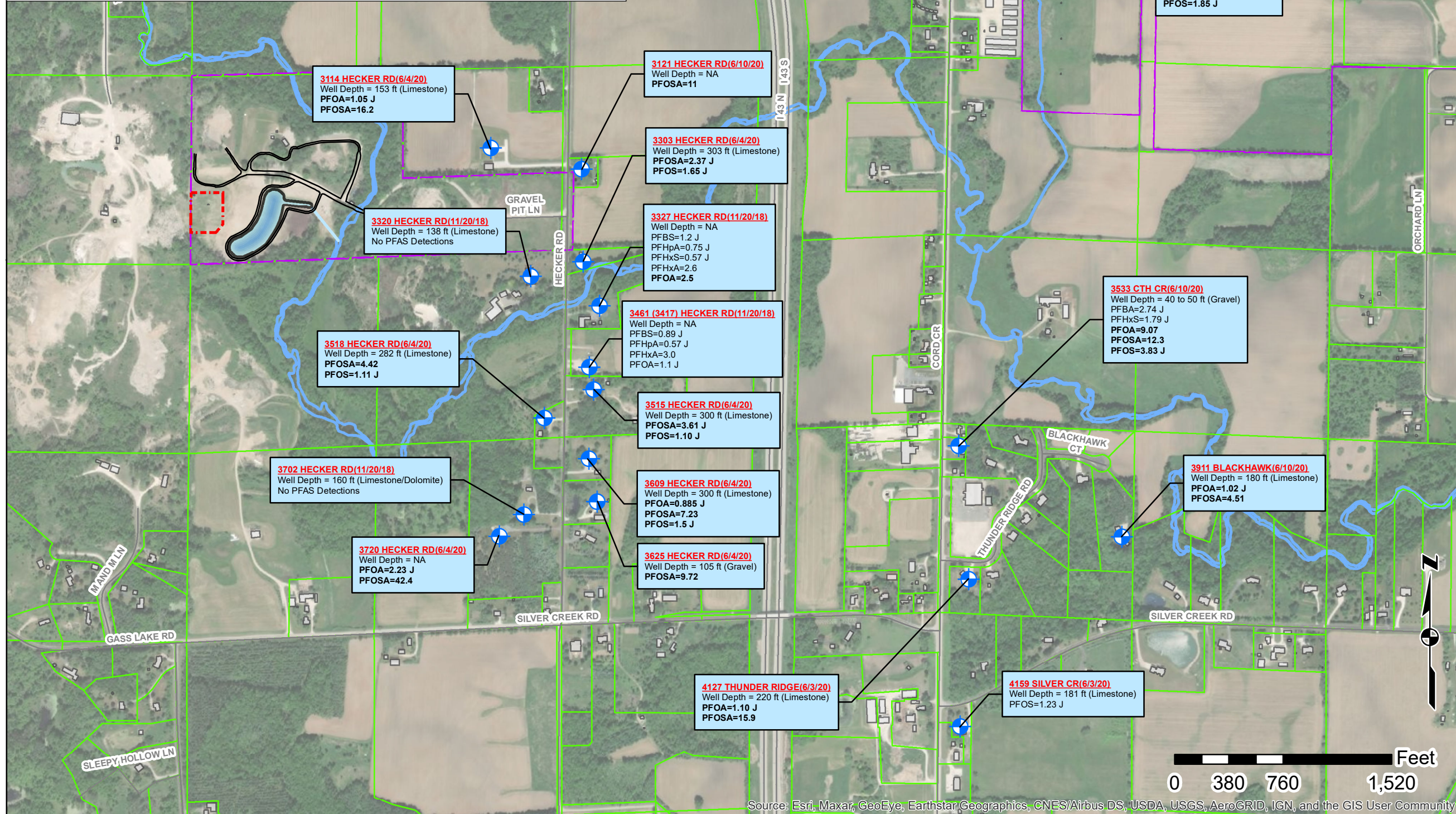
- cont.
- PFPeS=PERFLUOROPENTANE SULFONIC ACID or PFPeS
 - PFHpA=Perfluoroheptanoic acid
 - PFHxA=Perfluorohexanesulfonic acid
 - 6:2 FTS=6:2 Fluorotelomer sulfonic acid
 - PFOA=Perfluorooctanoic acid
 - PFHpS=Perfluoroheptanesulfonic acid
 - PFNA=Perfluorononoic acid
 - PFOSA=Perfluorooctane sulfonamide
 - PFOS=Perfluorooctanesulfonic acid
 - PFDA=Perfluorodecanoic acid
 - PFNS=Perfluorononanesulfonic Acid
 - 8:2 FTS=8:2 Fluorotelomer sulfonic acid
 - MeFOSAA=MeFOSAA
 - EtFOSAA=EtFOSAA
 - PFUnA=Perfluoroundecanoic acid
 - PFDS=Perfluorodecanesulfonic acid
 - PFDA=Perfluorododecanoic acid
 - PFTDA=Perfluorotetradecanoic acid
 - PFTeDA=Perfluorotetradecanoic acid

**FIGURE 3
PFAS POTABLE WELL
SAMPLING RESULTS
(2018 - 2020)**

Former Newton Gravel Pit
Manitowoc, Wisconsin

Legend

- Private Well Location
- Approximate Pond Location
- Approximate Outfall Pipe Location
- Engineered Cap
- Civil Divisions
- Parcels
- Streams



1 inch = 750 feet

AECOM
1555 N. RiverCenter Drive, Suite 214
Milwaukee, WI 53212
PH: 414-944-6080
www.aecom.com

DRAWN BY: RW DATE: 11/25/2020

Project No.: 60581251

