From:	Henderson, David
To:	Beggs, Tauren R - DNR
Subject:	Newton Pit, BRRTS No.: 02-36-000268, PSC 3rd Annual Proj Rpt
Date:	Monday, December 15, 2025 3:46:30 PM
Attachments:	2025-12-12 City Watermains South PSC Annual Rpt.pdf 0236000268 Other.msg

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Tauren,

AECOM has submitted the PSC's *Third Annual Project Report* associated with the Former Town of Newton Gravel Pit project to the Department's submittal portal.

A copy of the report is attached along with the submittal confirmation.

As noted in the report, no attachments are included as they have previously been submitted to the Department.

Let me know if you have any questions.

Thanks
dsh

David Henderson, P.E. (WI)
Senior Project Manager, Environment, Midwest
+1-414-429-8304
Dave.Henderson@aecom.com

AECOM
1555 N RiverCenter Drive
Milwaukee, WI 53212, USA
T +1-414-944-6080
aecom.com

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MANITOWOC PUBLIC UTILITIES

1303 South 8th Street,
Manitowoc, WI 54220

920-683-4600

MPU.ORG

Date:
December 12, 2025

To:
Stephen Kemna (via ERF)
Case Coordinator, Division of Water Utility Regulation and Analysis
Public Service Commission of Wisconsin
PO Box 7854
Madison, WI 53707-7854

Subject:
Third Annual Project Report
Application(s) 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.
Docket Nos. 3320-CW-115 and 3320-CW-116

From:
Rob Michaelson, P.E., Water and Wastewater Manager, Manitowoc Public Utilities
Dan Koski, P.E., Director of Public Infrastructure, City of Manitowoc
David Henderson, P.E., Project Manager, AECOM Technical Services, Inc.

CC:
Eric Nycz, City Attorney, City of Manitowoc (w/o attachments)
Tauren Beggs, Project Manager, Wisconsin Department of Natural Resouces (w/o attachments)

The Manitowoc Public Utilities (MPU), the City of Manitowoc (City), and AECOM Technical Services, Inc. (AECOM) prepared this annual project report for the Public Service Commission of Wisconsin (PSCW) pursuant to:

- Order Point 10 in the December 8, 2022, Order, for Docket No. 33020-CW-115.
- Order Point 9 in the November 4, 2024, Final Decision, for Docket No. 33020-CW-116.

The reporting period was determined by the effective date of the tariff. The tariff was filed with the PSCW on December 12, 2022. Therefore, the reporting period for this Third Annual Project Report is December 12, 2024, through December 11, 2025.

Presented below is a brief summary of project activities during the reporting period, responses to the PSCW requested information, and supporting documentation.

Summary of Activities

Extending the water main outside of the City's corporate limits was done to provide safe drinking water to homeowners where private potable wells were impacted by volatile organic compounds (VOCs) associated with historic spills at the Former Town of Newton Gravel Pit (Newton Pit) 3130 Hecker Road, Manitowoc Wisconsin. The Newton Pit is a Wisconsin Department of Natural Resources (WDNR) regulated project with the Bureau for Remediation and Redevelopment Tracking System (BRRTS) No. 02-36-000268. A comprehensive repository of the WDNR required reporting on the project is available at the BRRTS On The Web (BOTW) database[1].

[1] https://apps.dnr.wi.gov/botw/

In summary, the following major environmental project activities occurred during the current reporting period.

- Project management including WDNR and Responsible Party (RP) correspondence.
- Completion and submittal to the WDNR of the following reports, copies attached:
  - *Western Source Area Cap Maintenance Plan*.
  - *June 2024 VOC Semi-Annual Potable Well Monitoring Letter Report*.
  - *November 2024 VOC Semi-Annual Potable Well Monitoring Letter Report*.
  - *Owner Certification of Deed Restriction.*
  - *2023 VOC Groundwater Monitoring Report and First 6-Year Groundwater Treatment System Operational Review.*
  - *Off-Site, North of Viebahn Street, VOC Groundwater Investigation and Updated Bedrock Mapping*.
  - *June 2025 VOC Semi-Annual Potable Well Monitoring Letter Report*.
  - *2025 Potable Well Abandonment Documentation*
- November on-site groundwater monitoring and semi-annual VOC potable well sampling field work. Reports documenting these activities will be completed during the first quarter of 2026.

Requested Information

The PSCW requested an annual report as called out in Order Point 10 of the December 8, 2022, Order, Docket 3320-CW-115 and Order Point 9 of the November 4, 2024, Final Decision, Docket 3320-CW-116.

Additionally, specific information is also provided in accordance with Order Point 10 that references MPU's response to Data Request-PSC-Pire-1[2], identified as follows:

> "As part of its reporting requirement, Manitowoc Public Utilities ("MPU") will provide to the Public Service Commission of Wisconsin ("PSCW"), when available, testing results for connected properties identified by mailing address, consistent with test reporting requirements described below. As part of that report, and for properties that are connected to MPU's system, MPU will also provide water quality test results, and the length of time to receive municipal water after a contaminant detection for each location. MPU will also provide as part of its reporting requirement a map that provides locations for customers who have connected after a contaminant detect, customers who choose to be annexed and connected without a detect, and wells with a new detect. The schedule for additional testing is presented in the Area Wide VOC 5-Year Potable Well Sampling Plan described below."

Therefore, in accordance with Order Point 10 for Docket 3320-CW-115 and Order Point 9 for Docket 3320-CW-116, the PSCW's requests are noted below followed by the requested information.

- Status of the remediation:

  Remedial activities are focused on the Western Source Area and they are being implemented in a phased approach.

  Activities during this reporting period were limited to preparation and submittal to the WDNR of the *Western Source Area Cap Maintenance Plan* and the *Owner Certification of Deed Restriction.*

  Installation of the remaining engineered remedial treatment system equipment (i.e., the soil vapor extraction system) was anticipated in 2025 but is currently expected during 2026.

- Information related to the contaminant plume migration:

[2] PSC Ref#:447624, Response of Manitowoc Public Utilities to Data Request -PSC-Pire-1, dated August 30, 2022.

In order to meet WDNR requirements for a completed groundwater site investigation (i.e., Wisconsin Admin. Code Chapter NR 716 Site Investigation requirements) the City conducted additional groundwater investigation activities to delineate the extent of the plume within the Manitowoc city limits north of Viebahn Street. The report documenting this activity, *Off-Site, North of Viebahn Street, VOC Groundwater Investigation and Updated Bedrock Mapping,* is attached.

The groundwater contaminant plume is considered a "mature" plume with the area of the plume and is largely delineated. The most recent plume delineation is identified by the red "Former Gravel Pit Zone" and the blue "Target Zone" iso-concentration lines on Figure 3 of the attached *Off-Site, North of Viebahn Street, VOC Groundwater Investigation and Updated Bedrock Mapping* report.

Updates to the delineation of the contaminant plume will be made, as necessary, based on the results from each private potable well sampling event.

- The contaminants sampled:

  Groundwater collected during both on-site groundwater and private potable well monitoring is analyzed for VOCs using US Environmental Protection Agency (EPA) Method SW 8260B by a WDNR NR 149 certified analytical laboratory. Additionally, groundwater from on-site monitoring wells and a limited number of private potable wells have historically been sampled and analyzed for per- and polyfluoroalkyl substances (PFAS) using the WDNR's approved EPA Method 537.1 Modified Isotope Dilution.

- The frequency and results of groundwater and private well sampling:

  Groundwater Sampling: On-site VOC groundwater monitoring has been ongoing since 1992. Currently, on-site groundwater monitoring is conducted every-other-year with the latest sampling event completed in November 2023. The results of the 2023 event are provided in the attached *2023 VOC Groundwater Monitoring Report and First 6-Year Groundwater Treatment System Operational Review* report. The next groundwater sampling event is scheduled for November 2025. The report for the 2025 event will be provided to the PSCW with the next annual report.

  Potable Well Sampling: The private potable well VOC sampling schedule is detailed in the *2023 Area Wide VOC Five Year Potable Well Sampling Plan* previously provided to the PSCW. The sampling schedule is updated after each sampling event to reflect the latest results and is typically presented on Table 3 of the monitoring report.

  The results from the June 2024, November 2024, and June 2025 private potable well VOC sampling events identified by mailing address, are presented in the attached reports. The reports detail the sampling events, with analytical results for those address locations with detected VOCs presented in Table 1, including those wells with new detects, and all analytical results presented in Table 2.

  Results from the November 2025 private potable well VOC sampling events will be provided to the PSCW with the next annual report.

  Historical groundwater and private potable well sampling reports can be downloaded from the WDNR's BOTW database.

  If the WDNR directs the City to modify the scope or frequency of groundwater monitoring well or private potable well sampling, the City will update its sampling plan(s) accordingly. In addition, consistent with applicable law, if the City proposes modification to the scope of testing or frequency, it will notify the DNR through submittal of an amended sampling plan(s). In either instance, PSCW will be notified of changes in the scope of testing or frequency through its periodic reporting requirement.

- The number of customers connected to the extended service:

  For 2025, a total of 6 new laterals were constructed to connect customers to the new water main extension. These laterals replace 6 potable wells. Any difference between the number of laterals constructed and the number of potable wells abandoned is due to locations with shared wells for duplexes, condos, or multiple single-family residences.

  A summary of the locations and a list of addresses connected to the water main extension are provided in the attached *2025 Potable Well Abandonment Documentation* transmittal. Note: the number of addresses connected to the water main

extension may continue to change/increase as on-going potable well monitoring identifies new locations with detects of VOCs understood to be associated with the release from the Newton Pit.

Concerning the length of time for a homeowner to receive municipal water after a new contaminant detection: Initially, those locations with potable water analytical results with VOC detect(s) that exceed the NR 140 Enforcement Standard(s) receive bottled water, provided by the City, as soon as practicable after the City receives the laboratory analytical results.

For those homeowners with potable water impacted by VOCs understood to be associated with the release from the Newton Pit and that are located adjacent to the extended water main, the City anticipates connecting them to the water main, as a group, on an annual basis. This reflects the reality of budgeting for the work, bidding two separate construction contracts (i.e., lateral construction and plumbing connections), and scheduling the work. Therefore, the City anticipates most impacted homeowners located adjacent to the extended water main will be connected to municipal water within approximately a year of the detect.

If the impacted potable well is not adjacent to the extended water main, the City will work to provide safe drinking water in a manner that reflects the situation including possibly extending the water main. The length of time to connect the homeowner to municipal water will depend on the individual situation.

During the reporting period, no homeowners chose to be annexed into the City and connected to the extended water main without VOC detects in their potable well water.

- Customer complaints received regarding eligibility for or connection to the extended service:

  The City keeps a running record of consumer concerns received during the reporting period. The comments are presented on the attached tabulated *2025 Summary of Consumer Concerns*.

If the Commission has additional questions concerning the water main extension annual report, feel free to contact me at 920-686-4354; you may also email me at rmichaelson@mpu.org.

Sincerely,

Robert Michaelson, P.E.
Water and Wastewater Manager

Attachments:

- *Western Source Area Cap Maintenance Plan*, Manitowoc City/Former Newton Tn Gravel Pit, 3130 Hecker Road Manitowoc, Wisconsin, WDNR BRRTS No. 02-36-000268, WDNR FID No. 436104020, AECOM, June 2025. (previously submitted to WDNR)
- *June 2024 VOC Semi-Annual Potable Well Monitoring Letter Report*, Former Town of Newton Gravel Pit, AECOM, June 14, 2025. (previously submitted to WDNR)
- *November 2024 VOC Semi-Annual Potable Well Monitoring Letter Report*, Former Town of Newton Gravel Pit, AECOM, June 24, 2025. (previously submitted to WDNR)
- *Owner Certification of Deed Restriction*, Manitowoc City/Former Newton Tn Gravel Pit, 3130 Hecker Road Manitowoc, Wisconsin, WDNR BRRTS No. 02-36-000268, City of Manitowoc, September 17, 2025 (previously submitted to WDNR)
- *2023 VOC Groundwater Monitoring Report and First 6-Year Groundwater Treatment System Operational Review*, Former Town of Newton Gravel Pit, 3130 Hecker Road Manitowoc, Wisconsin, WDNR BRRTS No. 02-36-000268, WDNR FID No. 436104020, AECOM, October 9, 2025. (previously submitted to WDNR)

- *Off-Site, North of Viebahn Street, VOC Groundwater Investigation and Updated Bedrock Mapping*, Former Town of Newton Gravel Pit, WDNR BRRTS No. 02-36-000268, 3130 Hecker Road Manitowoc, Wisconsin, October 16, 2025. (previously submitted to WDNR)
- *June 2025 VOC Semi-Annual Potable Well Monitoring Letter Report*, Former Town of Newton Gravel Pit, AECOM, December 3, 2025. (previously submitted to WDNR)
- *2025 Potable Well Abandonment Documentation,* Former Newton Pit, BRRTS No. 02-36-000268, AECOM, December 11, 2025. (previously submitted to WDNR)
- *2025 Summary of Consumer Concerns*