

**Supplemental Task Order
2025 and Early 2026 Services
Former Town of Newton Gravel Pit
AECOM Project No. 60135471 (82518)**

A. Purpose of Task Order

AECOM Technical Services, Inc. (AECOM) is to provide consulting and subcontractor services for the balance of the 2025 calendar year and the beginning of the 2026 year for the Former Town of Newton Gravel Pit project. AECOM proposes to perform these services as a supplemental task order under the terms of our Consulting Agreement authorized by the City of Manitowoc (City) Common Council on November 23, 2009. These costs will be tracked and invoiced under AECOM's current Project No. 60135471.

B. Scope of Services

The proposed scope of services is limited to the summarized tasks below followed by more detailed descriptions of individual tasks:

- Project management
- Ongoing reporting
- November VOC potable well sampling
- November VOC on-site groundwater, treatment pond, and Silver Creek sampling
- Western Source Area engineered treatment system design review
- Groundwater treatment system (pond) operation & maintenance

Project Management

The Newton Pit Project Team (City personnel, Wisconsin Department of Natural Resources (WDNR or Department) project manager, outside counsel, the other Responsible Party, and the AECOM project manager) have periodic meetings. Most meetings are conference calls. Periodically, the City Team (City personnel and AECOM project manager) have project update and/or preparation meetings prior to conference calls with outside parties. Project management activities also include misc. client correspondence, subcontractor management, invoicing, etc.

Health & Safety Plan Update: AECOM will prepare an OSHA required site-specific Health and Safety Plan (HASP) update to cover the environmental field activities of AECOM staff.

Quarterly Meetings with other Responsible Party: Included in this task is time to provide technical support to the City and Mr. Ned Witte, outside counsel, for Cost Recovery activities associated with the other Responsible Party.

WDNR Liaison: AECOM will provide correspondence with Mr. Tauren Beggs, WDNR Project Manager, to define scope of work along with other technical support as determined by the City Team.

PSC Support: AECOM will provide technical environmental support to the City for PSC related correspondence, including preparation of the PSC required annual report typically due the beginning of December.

Water Main Support: AECOM will provide technical environmental support to the City for the water main extension project including providing environmental information related to homeowner inquiries and a WDNR update report. The update is expected to document the water lateral connections and abandonment of the associated private potable wells during the 2025 calendar year. The report will include a table summarizing the homeowner addresses connected to the water main and copies of the associated well abandonment forms.

Ongoing Reporting

The following reports are either in progress or are new reports that require preparation and submittal to the WDNR.

Deed Restriction: Once the Common Council approves the Western Source Area deed restriction and the document has been registered with the County Registrar of Deeds, AECOM will prepare transmittal documents, including a copy of the registered deed, for submittal to the WDNR and EPA.

North of Viebahn Street Site Investigation Report: The field work for the North of Viebahn Street site investigation has been completed and the report is in draft form. AECOM will provide the draft report to the City for review, incorporate one round of edits/comments from the City, and finalize the report. AECOM will then submit the final report to the WDNR.

June 2025 Potable Well Sampling Report: The field work for the June 2025 Potable Well Sampling has been completed and the report is in draft form. AECOM will provide the draft report to the City for review, incorporate one round of edits/comments from the City, and finalize the report. AECOM will then submit the final report to the WDNR.

2018 WDNR Concurrence Letter: The City received an Additional Investigation letter, dated May 14, 2018, from the WDNR with a series of discussion points, which when completed, will lead up to the Department's concurrence that the on-site investigation activities are complete. With the completion of the recent work on the North of Viebahn Street site investigation, the Department's requested investigation activities will be completed. The final point for responding to the 2018 letter has to do with documenting a series of interviews and related site activities. AECOM will prepare a letter report documenting the completion of the requested activities, provide a draft of the letter report to the City for review, incorporate one round of edits/comments from the City, and finalize the report. AECOM will then submit the final letter report to the WDNR.

Updated 5-Year Down Gradient Groundwater Monitoring Work Plan: AECOM anticipates preparing an updated 5-Year Down Gradient Groundwater Monitoring Work Plan. The work plan will include evaluation of; the results of the North of Viebahn investigation, the recent potable well sampling results, and documentation of completion of the current water main project with its associated lateral connections and private potable well abandonments. AECOM's goal is to update the work plan to reflect the extensive work completed by the City and to adjust the ongoing down gradient groundwater monitoring to an appropriate level.

November VOC Potable Well Sampling

As part of the semi-annual potable well sampling activities for 2025, AECOM will sample an estimated total of 14 potable wells in November. The specific wells to be sampled will be determined by the current sampling schedule in the Updated Potable Well Monitoring Work Plan. The scope of services for the sampling event is expected to include:

- Notification to the potable well owners to schedule the sampling (to be conducted by the City) and coordination between AECOM, the City, and owners to determine specific sampling times for AECOM field technicians to sample the private wells.

- Collection of VOC potable well water samples and quality control samples. The VOC quality control samples will include field duplicate and matrix spike/matrix spike duplicate samples. The number of quality control samples will be determined by AECOM field personnel.
- Submit an estimated 18 samples, including quality control samples, to a Wisconsin Administrative Code (WAC) Chapter NR 149 certified laboratory for analyses of VOCs (EPA Method SW 8260B).
- AECOM will assist the City with reporting the individual sampling results to both the WDNR and potable well owners.

AECOM will prepare a semi-annual potable well sampling letter report that will include a written summary of the sampling event, summarized laboratory results in tabular form, a figure showing the results, and copies of laboratory reports. AECOM will provide a draft of the report to the City for review, incorporate one round of edits/comments from the City, finalize the report and submit it to the WDNR.

Well owner notification of analytical results will be performed by the City and is expected to include a cover letter explaining the results with an attached copy of the well-specific laboratory report. The WDNR will be copied on the well-owner reporting by its incorporation into the semi-annual report.

- The proposed scope of services does not include confirmation potable well water sampling and if a new/replacement potable well is installed at a residence with an impacted well. These services will be provided under separate cover if potable well replacement activities take place.
- If sampling results indicate that updates should be made to the number of Target Zone or Sentinel Zone wells (as provided for in the Updated Potable Well Monitoring Work Plan), those changes will be reflected in the number of potable wells sampled during subsequent sampling events.
- Laboratory subcontractor costs and AECOM expenses are estimates. Final costs will be based on invoicing.

November VOC Groundwater & Surface Water Sampling

As part of the biennial sampling event, AECOM will sample an estimated total of 68 groundwater monitoring wells, the groundwater treatment pond, and three staff gauge locations in Silver Creek. The work is anticipated to include:

- Obtain groundwater, treatment pond staff gauge, and Silver Creek staff gauge elevation measurements for use in interpreting groundwater flow direction.
- Purge and sample groundwater for field parameter analysis (pH, dissolved oxygen, conductivity, and redox potential) along with sampling for laboratory analysis of VOCs. AECOM assumes that the sampling purge water will be disposed of in the on-site treatment pond.
- Conduct surface water sampling from the groundwater treatment pond and Silver Creek for VOCs concurrent with groundwater sampling.
- Collect an estimated 80 samples, including quality control samples. VOC quality control samples will include field duplicate and laboratory-prepared matrix spike/matrix spike samples.
- Submit water samples (including quality control samples) to a WAC Chapter NR 149 certified laboratory for analyses of VOCs (EPA Method SW 8260B).
- Compile the data into a report for submittal to the City and the WDNR. The report will include a written summary of the sampling event, summarized laboratory results in tabular form, figures showing the results, and copies of field forms along with laboratory reports. AECOM will provide a draft of the report to the City for review, incorporate one round of edits/comments from the City, finalize the report and submit it to the WDNR.
- Laboratory subcontractor costs and AECOM expenses are estimates. Final costs will be based on invoicing.

Western Source Area Engineered Treatment System Design Review

In preparation for the construction of the Engineered Treatment System (i.e. SVE and LNAPL recovery systems), in 2023 AECOM installed eight extraction wells within the Western Source Area. Monitoring of the extraction wells has shown that LNAPL is no longer present. Based on the new LNAPL information, in April of 2024, AECOM prepared and submitted to the WDNR an amendment to the Revised Remedial Action Option Report (RAOR). The amendment provided documentation of LNAPL site conditions and removed active LNAPL recovery from the approved remedial actions. This change means that the remedial equipment required by the engineered treatment system will be significantly less.

With this change in the remedial option, AECOM proposes conducting a review of the original SVE system design. The original design was for a semi-permanent system with Neenah type wellheads constructed at each extraction well location, fully trenched in and buried extraction piping, a remedial structure (i.e., a Conex box) installed on a concrete slab, and treatment equipment sized to accommodate future adaptations.

The goal of the design review is to determine if the SVE remedial system equipment can be simplified and the proposed operation of the system can be modified to save the City costs while still providing a reasonable level of effort to remediate the Western Source Area. At the completion of the design review, AECOM anticipates providing the City with a technical review memo with a recommendation based on the design review.

Groundwater Treatment System (pond) Operation & Maintenance

Operation & Maintenance (O&M) activities for the groundwater treatment system (i.e., Treatment Pond) include working with City staff for pond VOC sampling. For budgeting purposes, O&M activities began in March (pre-ice out) and will be performed for the remainder of 2025.

- Wisconsin Pollutant Discharge Elimination System (WPDES) Discharge Sampling: In accordance with WPDES discharge permit requirements, AECOM will assist the City with pre-discharge monitoring of the pond surface water. The work is anticipated to include:
 - Support pre-discharge surface water sampling by city staff on a monthly basis during the ice-off months.
 - Laboratory subcontractor costs and AECOM expenses are estimates. Final costs will be based on invoicing.

C. Terms & Conditions

AECOM proposes to perform these services as a supplemental task order under the terms of our Consulting Agreement authorized by the City of Manitowoc Common Council on November 23, 2009, and as modified by negotiation in 2024. The new rates will hold for a period of three years (through May 31, 2027) with a review of the rates starting in early 2027.

D. Compensation

The total cost to complete the described activities is estimated to be **\$ 83,815**. The sub-totals for each task are as follows:

<u>Task</u>	<u>Sub-Total</u>
• Project management	\$ 7,095
• Ongoing reporting	\$ 16,465
• November VOC potable well sampling	\$ 11,055
• November VOC on-site groundwater, treatment pond, and Silver Creek sampling	\$ 38,610
• Western Source Area engineered treatment system design review	\$ 9,020
• Groundwater treatment system (pond) operation & maintenance	\$ 1,570
Total	\$ 83,815

Activities outside the scope of services described in this proposal will only be completed with prior written approval.

F. Schedule

AECOM will commence the additional activities upon written authorization to proceed. By signing below and/or providing an email authorization and returning it to David Henderson at AECOM's Milwaukee, Wisconsin office, will serve as written authorization to proceed.

The above is understood and authorization to proceed is given as noted by the undersigned:

Approved by:
City of Manitowoc

Signature

Title

Date

Accepted by:
AECOM Technical Services, Inc.



John Rosier

Midwest Department Manager
Title

August 27, 2025
Date