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**Supplemental Task Order
Balance of 2023 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 2023 calendar 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, and as modified by the Supplemental Task Order for Balance of 2020 and 2021 Services authorized by the City on November 17, 2020. 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
- Area Wide VOC 5-Year Plan, Semi-Annual Potable Well Sampling – November 2023
- Operation & Maintenance – Groundwater Treatment System (pond)
- VOC Groundwater & Surface Water Sampling – November 2023

Balance 2023 Project Management

The Newton Pit Project Team (City personnel, WDNR personnel, 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.

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.

Cost Recovery:

Included in this task is time to provide technical support to the City and Mr. Ned Witte, Godfrey & Kahn S.C., for Cost Recovery activities.

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.

Water Main Support:

AECOM will provide technical environmental support to the City for Phase 2 and 3 of the water main extension project.

Balance of 2023 Area Wide VOC Five Year Plan, Semi-Annual Potable Well Sampling – November 2023

Conduct semi-annual potable well sampling activities for 2023, AECOM will sample an estimated total of 14 potable wells in November. The specific wells to be sampled will be determined by the existing Area Wide VOC Five Year Potable Well Sampling Work Plan. The scope of services for the sampling event is expected to include:

- Notification to the 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 an AECOM field technician to sample the private wells. Obtaining access agreements with homeowners is the responsibility of the City.
- Collect water samples and quality control samples. The VOC quality control samples will include field duplicate and matrix spike/matrix spike samples. The final number of quality control samples will be determined by AECOM field personnel.
- Submit an estimated 14 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. A potable well sampling letter report will be submitted to the WDNR by AECOM. The letter report 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. 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 the inclusion of the homeowner letters in the potable well sampling letter report.
- The proposed scope of services does not include confirmation potable well water sampling if a new/replacement potable well is installed at a residence with an impacted well. These services will be provided under a 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 Area Wide VOC Five Year Potable Well Sampling 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.

Balance of 2023 Groundwater Treatment System 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 and preparing an O&M report. For budgeting purposes, O&M activities began in March (pre-ice out) and will be performed for the remainder of 2023.

- 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:
 - Pre-discharge surface water sampling on a monthly basis.
 - Compile and report the data to the WDNR in a WPDES monitoring report.
 - Laboratory subcontractor costs and AECOM expenses are estimates. Final costs will be based on invoicing.

Balance of 2023 VOC Groundwater & Surface Water Sampling – November 2023

Conduct VOC groundwater and surface water sampling activities for 2023, AECOM will sample an estimated total of 60 groundwater monitoring wells 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 water sampling from Silver Creek for PFAS concurrent with groundwater sampling.
- Collect quality control samples. VOC quality control samples will include field duplicate and laboratory-prepared matrix spike/matrix spike samples.
- Submit water samples (includes 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 laboratory reports.
- 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 on November 17, 2020, to include labor rates based on a 2.7 direct labor multiplier (DLX) with 0% markup on subs and ODCs. AECOM will hold the 2.7 DLX on labor rates and the 0% markup on subs and ODCs for the agreed to period of three years (through calendar year 2023), with a review of the rates starting in 2024.

D. Compensation

The total cost to complete the described activities is estimated to be **\$ 79,350.00**. The sub-totals for each task are as follows:

<u>Task</u>	<u>Sub-Total</u>
<u>Balance of 2023 Services:</u>	
Project Management	\$ 5,145
VOC 5-Year Plan, Semi-Annual Potable Well Sampling – November	\$ 15,331
Operation & Maintenance – Groundwater Treatment System	\$ 5,207
Annual VOC Groundwater & Surface Water Sampling – November	\$ 53,667

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

AECOM has prepared this proposal to address activities through calendar year 2023 for which the scope of work required during that period is, in some cases, uncertain or loosely defined. We expect, based on our past conversations with the City, that additional services may be needed and that the scope of work presented herein will vary. AECOM will continue our close communication with you and advise on

scope of work and budgetary matters throughout the period of this task order as to the level of effort and deviations in the scope of work.

F. Schedule

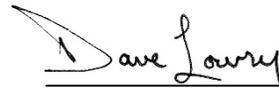
AECOM will commence the additional activities upon written authorization to proceed. By signing below and/or providing an email authorization and returning it to David Henderson at AECOM's Milwaukee, Wisconsin office, will serve as written authorization to proceed.

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

**Approved by:
City of Manitowoc**

**Accepted by:
AECOM Technical Services, Inc.**

Signature



David Lowry, P.E. (IL, MO)

Title

Associate Vice President
Title

Date

October 19, 2023
Date