

**CITY OF WEST ALLIS
AMENDED WORK ORDER #7**

TO: **AECOM TECHNICAL SERVICES, INC.**

DATE: **May 8, 2023**

PROJECT: **2023 ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE) PROGRAM**

SUBJECT: Engineering Consultant Services

In accordance with Resolution No. 2020-0497 and Resolution 2021-__ and the Agreement for Professional Services dated as of September 9th, 2020 (the "Agreement"), you are directed to proceed with work on the Project as outlined below:

Work: See attached Scope of Services dated May 8, 2023.

Estimate: \$19,000

Schedule: Work to commence immediately. To be completed as part of the Basic Services under the Agreement.

This Work Order, including any attachments, is incorporated into the Agreement. All work defined in this Work Order and payment therefor shall be performed in accordance with the terms and conditions of the Agreement, unless otherwise modified herein. Any modification(s) of this Work Order is subject to approval and acceptance pursuant to the Agreement.

Issued:

Received and Approved:

CITY OF WEST ALLIS

AECOM TECHNICAL SERVICES, INC.

By:  _____

By: _____

AVP, Civil Manager
Title: _____

Title: _____

Date: 5/9/2023

Date: _____

ATTACHMENTS:
Scope of Services

COMPTROLLER'S CERTIFICATE
Countersigned this ____ day of _____ (month) 2023
and I certify that the necessary funds have been
provided to pay the liability that may be
incurred by the City of West Allis under this
Contract.

May 8, 2023
Scope of Services:

Project Background

The City of West Allis is included in the WPDES Permit WI-S065404-2, which covers municipalities in the Menomonee River Group. This Permit authorizes and regulates the discharge of storm water from the municipal separate storm sewer systems to Waters of the State and requires each individual municipality to be responsible for compliance tasks that are to be submitted to the Wisconsin Department of Natural Resources (WDNR). The following Scope of Services defines the activities that will be conducted by AECOM to assist the City with meeting the IDDE permit requirements for 2023.

Task 15 - 2023 IDDE

Field Screening

Based on the recommendations from the 2022 IDDE Report, AECOM will conduct a field screening at twelve major outfalls. If time and budget permits, AECOM will also attempt to screen one or two additional major or minor outfalls selected with the assistance of the City.

The level of effort assumes approximately half of the outfalls have dry weather flows that require grab samples and field testing. At sample locations, additional information will be provided on an inspection form, including chemical testing results using portable test kits.

The goal of the IDDE program is to identify and, if possible, to remove illicit discharges. If an outfall tests outside the expected range for one or more parameters, the field crew will test locations upstream of the outfall. The goal is to continue sampling upstream of the outfall to isolate the pollutant(s) of interest to a single location. If the pollutant(s) of interest appears to be from a diffuse source, test data results will be reviewed for patterning prior to taking any additional steps.

Outfall results can vary based on previous weather conditions, time of year, and possible intermittent flows. This makes it possible for skewed/unclear test results during an initial outfall visit and sometimes a site needs to be revisited to get a clear picture of the outfall conditions. If a drainage system requires follow-up screening or the field screening results in isolating the pollutant(s) to a single pipe or ditch segment, the field crew may revisit the outfalls or conduct spot checks in upstream reaches to confirm the results of the initial investigation. In addition, the field crew may conduct a "windshield survey" of the surrounding area. The survey may include documenting findings or photographing the surrounding area including buildings and other items of interest, including but not limited to outdoor storage areas, staining, or other potential signs of illicit discharges or dumping. No internal entry of homes or businesses is included in this effort.

If the results of any windshield survey or follow-up investigation reveal an illicit connection or discharge that needs immediate attention, the results will be shared with City staff with a discussion of potential sources and recommended next steps.

For E Coli testing, at each outfall that is screened, AECOM will collect samples in Whirl-Paks and drop off the samples at a lab for analysis. After receiving the outfall sample results, the e coli concentrations will be assessed and compared with the action level of 10,000 MPN/100 ML to determine outfalls in need of further investigation.

Meetings and Report

Results will be summarized in a format acceptable for inclusion in the City's annual NR 216 report. A draft of the report will be provided to the City for review.

AECOM will communicate with the City to review the results of the field screening. Outfalls where flow was observed and chemical testing indicated potential discharges will be focused on. The decision to conduct any additional follow-up investigations will be based on the results of discussions with the City and, if necessary, after consultation with the WDNR.

Schedule:

Dry weather screening should be conducted after approximately a 48-hour dry period (a period described as containing non-measurable precipitation or ideally, less than 0.1 inch of rainfall). A draft report will be provided to the City by February 2, 2024 and a final report by March 1, 2024.

AECOM and CLIENT both acknowledge this schedule may be impacted and delayed by travel restrictions and/or other attempts to protect workers and limit the transmission of the COVID-19 virus.

Deliverables:

One electronic PDF copy of the draft and final report will be provided to the City. A hard copy of the final report can be provided if requested by the City.

Cost Estimate

The following is the estimated cost to complete the scope of services as presented.

Task 15 – 2023 IDDE\$19,000

Total \$19,000

The total cost of the amendment will amend the project with additional \$19,000 of fees, for a total project fee of \$247,800.