

PROFESSIONAL SERVICES AGREEMENT

AMENDMENT NUMBER 4 DATED AUGUST 1, 2017

Project Name: City of West Allis NR 216 Stormwater Permit Compliance

AECOM Project No.: 60309194

This Amendment to the Professional Services Agreement dated June 25, 2013 is by and between:

Client:

City of West Allis
7525 W. Greenfield Avenue
West Allis, WI 53214

and,


AECOM Technical Services, Inc. (ATS)
1555 North RiverCenter Drive, Suite 214
Milwaukee, Wisconsin 53212

Who agree as follows:


Amending the original contract with the scope of services in Attachment A of this amendment. The total contract value will increase \$23,300, from \$55,688 to \$78,988. CLIENT will pay on a time and material basis not to exceed the sum of \$ 78,988. ATS will invoice according to the per diem rates in effect at the time the services are executed.

In all other respects, the Agreement remains the same.

APPROVED FOR CLIENT

By: 
Printed Name: Michael Hewitt
Title: DPW/City Engineer
Date: 8/8/2017

APPROVED FOR AECOM

By: 
Printed Name: Thomas J. Holtan, P.E.
Title: Senior Project Manager
Date: 7/17/17

ATTACHMENT A AMENDED SCOPE OF SERVICES

2016 NR 216 Storm Water Compliance
City of West Allis
July 17, 2017

Project Background

The City of West Allis joined the Menomonee River Watershed Permit Group on November 30, 2012. Under that permit, the city is required to undertake certain activities related to Illicit Discharge Detection and Elimination (IDDE), which includes screening a certain portion of the City's storm sewer outfalls annually. This amendment is a continuation of the annual efforts related to screening and testing the City's storm sewer outfalls.

The following tasks will be completed:

1.0 Illicit Discharge Detection and Elimination (IDDE) Screening

In general, the project will be conducted in accordance with the Illicit Connections/Dry Weather Field Screening Proposal submitted to the WDNR in March 2005.

1.1 IDDE Field Screening

To comply with part III.A.2.a. of the permit, conduct a screening of 4 of the City's major outfalls (which were not screened in the previous year). This would occur in the spring, summer, and/or fall of 2017. Where flow is observed, provide additional information on the Chemical Testing Form including chemical testing on grab samples using CHEMetrics portable test kits as utilized in the past. Testing parameters include pH, detergents, chlorine, phenols, copper, and ammonia. AECOM will conduct follow-up investigations, if warranted, as described in the following section.

1.2 IDDE Follow-up Investigations

If one of the aforementioned test parameters exceeds a threshold, follow-up investigations will be conducted in upstream areas in an attempt to isolate the potential source of the pollutant(s). The thresholds that will be used are as follows:

- A. pH < 6.0 or pH > 9.0
- B. Detergents >0.50 mg/L
- C. Chlorine > 1.0 mg/L
- D. Phenols > 0.0 mg/L
- E. Copper > 0.1 mg/L
- F. Ammonia > 0.1 mg/L/

AECOM has included ten (10) additional site investigations in our scope of services for confirmation or dispute of test results.

1.3 Follow-up previous testing

To comply with part III.A.2.b. of the permit, outfalls HO-14, HO-17, UW-03, UW-04, and UW-11 will be tested again. If test results at the outfall are consistent with prior years testing, investigations upstream will not be conducted. If results indicate an increase that suggests a strong potential for an active illicit discharge, follow-up investigations following the procedure noted in Task 1.2 will be conducted. This assumes up to assumes up ten (10) additional sites will be screened/sampled.

1.4 Strategy for Minor (Other) Outfalls

To comply with part III.A.2.c. of the permit, AECOM will screen two to five minor outfalls. Outfalls will be selected from the prioritized list presented in the 2015 IDDE Report. Follow-up investigations for up to two outfalls have been budgeted.

1.5 Report/Meeting

Meet with the City once to review the results of field screening. Outfalls where flow was observed and chemical testing indicated potential discharges and required follow-up investigation will be the focus of the meeting. The decision to conduct any additional follow-up illicit discharge investigations will be based on the findings to date, the results of the meeting and, if necessary, after consultation with the WDNR. Results will be summarized in a report acceptable for inclusion in the City's annual NR 216 report due to the WDNR March 31, 2018.

1.6 W-03B/D Follow-up Investigation

Outfalls W-03B and W-03D have consistently tested outside of the expected ranges for numerous testing parameters over the last 4 years. We are not including any testing for these outfalls. Recommendations for the next actions for these outfalls was included in an email sent to city staff on 11/16/16 to televise, dye water, and/or smoke testing to identify the source of the illicit connection. Up to eight hours of professional staff time has been budgeted to discuss and coordinate these efforts with city staff.

2.0 Additional As Requested Services

The scope of work and associated fee for these subtasks is included in this amendment, but will only be completed if requested from the City.

2.1 WPDES Permit Re-application Support

AECOM will assist in supporting the reapplication process. This new application will set up measurable goals and essentially chart the course for the next 5-year of storm water management efforts for the city to be tracked by the annual report to the WDNR. AECOM will collaborate with the City to complete a permit re-application form that will guide the city towards efficient and effective activities to comply with permit conditions. Twenty hours of professional staff time has been budgeted for this support. Depending on the specific extent of support, less or more effort can be allocated. Before any effort is expended, specific work items for this subtask will be identified with City staff.

2.2 Pre-Audit Stormwater Program Review

The WDNR intends to review stormwater programs of all permitted communities within a five year time frame, of which, there are three years left. AECOM will assist the City with reviewing their current storm water management program in comparison to their

stormwater discharge permit, and if desired, other typical program elements. Twenty hours of professional staff time has been budgeted for this support. Depending on the specific extent of support, less or more effort can be allocated. Before any effort is expended, specific work items for this subtask will be identified with City staff.

2.3 TMDL / Water Quality Update and Review

A Total Maximum Daily Load (TMDL) analysis by the WDNR will eventually stipulate TSS/TP reductions per watershed, including the watersheds that in the City of West Allis. The TMDL is currently scheduled to go into effect at the end of the year 2017. AECOM will assist in assessing current loads/reduction and collaborate with the city in identifying potential BMPs that could be implemented to work towards the nonpoint reductions. This would fit well in conjunction with the permit reapplication process (Task 2.1) and the potential requirement of completing a storm water management plan update within the first two years of the new permit including identifying a minimum of 3 new structural BMPs (retrofits or new construction). Forty hours of professional staff time has been budgeted for this support. Depending on the specific extent of support, less or more effort can be allocated. Before any effort is expended, specific work items for this subtask will be identified with City staff.

ASSUMPTIONS:

1. The City of West Allis will provide AECOM with any record drawings of public works projects constructed in 2017 that may affect the number, type, and location of outfalls.
2. The pH, detergents, chloride, phenols, copper, and ammonia test kit charges are included in the base proposal cost estimate.

DELIVERABLES:

1. 2017 IDDE Report (Electronic (Adobe PDF) DRAFT copy and FINAL copy)
2. Electronic (Microsoft Word) submittal of text for inclusion by City Staff for annual WDNR report.
3. Others as identified and agree to with the City for Task 2 items.

COST ESTIMATE, BASED ON THE KNOWN CONDITIONS AND REQUIREMENTS OF THE PROJECT:

<i>Task</i>	2016 NR 216 Stormwater Permit Compliance	Cost
1.1	IDDE Field Screening	\$2,000
1.2	IDDE Follow-up (as required), \$250 per site, 4 sites included.	\$1,700
1.3	Follow-up Previous Testing	\$2,200
1.4	Screening Minor (Other) Outfalls	\$1,000
1.5	IDDE Report/Meeting	\$5,000
1.6	W-03B/D Follow-up Investigation	\$1,200
2.1	WPDES Permit Re-application Support	\$3,000
2.2	Pre-Audit Stormwater Program Review	\$3,000
2.3	TMDL / Water Quality Update and Review	\$5,200
	Total	\$23,300