
PROFESSIONAL SERVICES AGREEMENT
AMENDMENT NUMBER 2 DATED 8/13/2015

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 \$21,300, from \$34,388 to \$55,688. CLIENT will pay on a time and material basis not to exceed the sum of \$ 55,688. 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 Lewis

Title: DPO/City Engineer

Date: 8/13/2015

APPROVED FOR AECOM

By: _____

Printed Name: Patrick Clifford, P.E.

Title: District Manager

Date: July 28, 2015

ATTACHMENT A AMENDED SCOPE OF SERVICES

**2015 NR 216 Storm Water Compliance
City of West Allis
July 28, 2015**

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 10 to 15 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 2015. 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 W-03B, W-03D, and HO-05 will be tested again. If test results at the outfall are consistent with prior years testing, investigations upstream will not be conducted. Rather, investigation recommendations, outlined in Task 3, are recommended.

1.4 Strategy for Minor (Other) Outfalls

To comply with part III.A.2.c. of the permit, AECOM will complete the following:

1.4.1 Review Existing Outfalls

Review the City's latest storm sewer system mapping through GIS to quantify the total number of outfalls, both major and minor.

1.4.2 Minor Outfalls Screening Strategy

Based on the results of sub-task 1.4.1, and taking into account the analysis procedure developed by the Menomonee River Watershed Permittee group, AECOM will develop a strategy for screening and prioritizing minor outfalls.

1.4.3 Minor Outfalls Screening

Based on the results of sub-task 1.4.2, screen and test up to 5 minor outfalls. 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, 2015.

2.0 Annual Report Assistance

Upon request, AECOM will assist the City of West Allis in the following aspects of the Annual NR 216 Report to WDNR:

2.1 Annual Report Item 3g

AECOM will assist with providing input and information regarding pollutant loading removal rates and the status of meeting performance standards. AECOM will summarize the recently updated SLAMM Analysis as part of this work, and will include verbiage about continued redevelopment efforts within the City that address TSS removal.

2.2 Annual Report Item 8

AECOM will provide a summary of control measures implemented to reduce any pollutants of concern. This item includes public and private projects to reduce peak flow rates and TSS loading levels in municipal storm sewers. AECOM will summarize private stormwater permit applications received in 2015 and will look to the City of West Allis to provide information on any public projects constructed.

3.0 Potential Illicit Discharge Strategy / Procedure Development

Previous year investigations have tracked potential locations of illicit connections for outfalls HO-05, W-03B, and W-03D. AECOM will develop and recommend a strategy and procedure to further isolate the source of this potential connection. This information will be presented to the City Plumbing Inspector and Public Works Department to work with the potentially affected property owners.

ASSUMPTIONS:

1. The City of West Allis will provide AECOM with any record drawings of public works projects constructed in 2015 to aid in the reduction of peak stormwater flow rates and TSS levels.
2. The pH, detergents, chloride, phenols, copper, and ammonia test kit charges are included in the base proposal cost estimate.

DELIVERABLES:

1. 2015 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.

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

| <i>Task</i> | 2015 NR 216 Stormwater Permit Compliance | Cost |
|-------------|--|-----------------|
| 1.1 | IDDE Field Screening | \$3,750 |
| 1.2 | IDDE Follow-up (as required), \$250 per site, 10 sites included. | \$2,500 |
| 1.3 | Follow-up Previous Testing | \$750 |
| 1.4 | Strategy for Minor (Other) Outfalls | \$6,100 |
| 1.5 | IDDE Report/Meeting | \$5,200 |
| 2.0 | Annual Report Updates | \$1,000 |
| 3.0 | Potential ID Strategy | \$2,000 |
| | Total | \$21,300 |