



CAPITOL REGION PURCHASING COUNCIL

INVITATION FOR BID #696

STORMWATER MONITORING SERVICES

Issue Date: November 14, 2019

Deadline for Questions: December 5th, 2019 (3:00 PM Eastern Standard Time)

Response Deadline: December 12th, 2019 (2:00 PM Eastern Standard Time)

Response Location: crcog.bonfirehub.com

**CAPITOL REGION PURCHASING COUNCIL
INVITATION TO BID
MUNICIPAL STORMWATER MONITORING SERVICES**

II. TECHNICAL SPECIFICATIONS/ADDITIONAL REQUIREMENTS

1. GENERAL DESCRIPTION OF WORK

The awarded contractor(s) shall be responsible for providing municipal stormwater monitoring services within the designated testing period of May 1st through October 31st in accordance with the requirements outlined in the MS4 General Permit. Broadly, said services shall include: sample testing, completing and submitting the applicable Stormwater Monitoring Report Forms to the municipality. These forms will be available on the CT NEMO website:

<http://nemo.uconn.edu/ms4/implement/reports.htm>. Participating communities may either elect to have the awarded contractor collect the required samples, or to have the contractor furnish appropriate containers in which to collect and store the water samples for pickup by the laboratory. Finally, in an effort to assist the towns in evaluating the laboratory results received, the awarded contractor may also be requested to furnish general comments to explain if the measured levels are acceptable pursuant to State of Connecticut Water Quality Standards, or if additional monitoring/follow-up action is suggested.

Contractors must meet or exceed all DEEP and EPA regulations.

Note: Municipalities are required to submit an annual report, summarizing municipal stormwater management activities, to the Department of Environmental Protection by January 1st every year. Part of this annual report includes the stormwater monitoring results.

2. MONITORING REQUIREMENTS

In accordance with the MS4 General Permit, stormwater monitoring shall be conducted by the Regulated Small MS4 annually starting in 2004. All outfalls that discharge to impaired waters should be inventoried by the town and screened for the pollutant of concern.

3. PARAMETERS TO BE MONITORED

The parameters to be monitored for each discharge point shall include:

- pH (SU)
- Hardness (mg/l)
- Conductivity (umhos)
- Oil and grease (mg/l)
- Chemical Oxygen Demand (mg/l)

- Turbidity (NTU)
- Total Suspended Solids (mg/l)
- Total Phosphorous (mg/l)
- Ammonia (mg/l)
- Total Kjeldahl Nitrogen (mg/l)
- Nitrate plus Nitrite Nitrogen (mg/l)
- E. coli (col/100ml)

4. MONITORING REQUIREMENTS

(A) Outfall Screening for Phosphorus and Nitrogen:

Samples at any outfalls identified in the MS4 as discharging to waters impaired by phosphorous or nitrogen may be taken at the outfall during any rain event that results in a discharge from the outfall. This screening shall be conducted for all such outfalls at least once during the term of this general permit. Portable nitrogen meters and portable phosphorus meters may be used to take a field reading.

(B) Outfall Screening for Bacteria

Samples at any outfalls identified in the MS4 as discharging to waters impaired by bacteria may be taken during any rain event that results in a discharge from the outfall. The sample shall be analyzed for E. Coli and Total Coliform (col/100ml) for discharges to Class AA, A and B surface waters, and Fecal coliform and Enterococci (col/100ml) for discharges to Class SA and SB surface waters.

(C) Outfall screening for other Pollutants of Concern:

Samples at any outfalls identified as discharging to waters impaired by other pollutants may be taken at the outfall and in-stream immediately upstream or otherwise outside the influence of the outfall. A field turbidity meter may be used to take a field reading.

5. STORMWATER MONITORING PROCEDURES

(A) Wet Weather Outfall Monitoring:

Samples shall be collected from discharges resulting from any rain storm that produces a discharge from the outfall(s) being monitored and that occurs at least 48 hours after any previous rain storm that produced a discharge from the outfall. Runoff events resulting from snow or ice melt alone cannot be used to meet these monitoring requirements. Monitoring may be conducted during a rain event that may include insignificant amounts of snow or ice melt. Monitoring shall consist of a single grab sample taken within the first six(6) hours of discharge from the outfall

(B) Rain Event Information

The following information shall be collected for the rain events during which monitoring is conducted:

- (i) The date, temperature, time of the start of the discharge, time of sampling, and magnitude (in inches) of the rain event sampled.
- (ii) The duration between the rain event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) rain event.

(C) Test Procedures

Unless otherwise specified in this permit, all pollutant parameters shall be tested according to the methods prescribed in the Title 40, CFR, Part 136 (1990). Laboratory analyses must be consistent with Connecticut Reasonable Confidence Protocols.

6. LIST OF MUNICIPAL STORMWATER MONITORING DISCHARGE LOCATIONS

A list of Municipal Stormwater Monitoring Discharge Locations shall be supplied to the contractor by each participating municipality once an award is made. Questions about access to outfalls shall be submitted to the designated representative of the municipality.

7.. EXPERIENCE

Each respondent is required to submit satisfactory evidence as part of the bid proposal demonstrating his or her experience monitoring municipal stormwater. Accordingly, a list of at least four (4) municipalities where this type of work has been performed during the past two (2) years shall be furnished, including contact persons and phone numbers. (See the attached Information Sheet.)

8. BASIS FOR PAYMENT/INVOICING

The contractor shall submit completed Municipal Stormwater Monitoring Report Forms (templates will be available on the CT NEMO website) for each one of the outfalls to the town's designated representative. The contractor shall attach the specific laboratory report to each one of the Forms. These materials, in conjunction with an invoice, shall be used as the basis for issuing payments.

9. PRICING STRUCTURE

Bidders shall submit a bid on a per discharge location basis to be applied to all participating municipalities within a given watershed area. The five watershed areas are highlighted on the CT DEP's Watershed Management Program Map contained herein. It shall be understood that this unit price will apply to all types of discharge locations (e.g. industrial, commercial and residential) within the specified watershed area.

All prices submitted shall apply throughout the term of the contract, and shall be deemed all-inclusive (i.e. including travel/mileage costs, etc.). The Capitol Region Purchasing Council strictly prohibits the unilateral imposition of additional surcharges on the participating communities at any point during the contract period.

10. INCLUSION OF NON-PARTICIPATING TOWNS

It will be expected that contractors will allow any municipality that is a member of the Capitol Region Purchasing Council to participate under the terms of this bid even if such towns are not listed among the participants on page one.

11. TERMS OF CONTRACTS

Contracts resulting from this Bid Invitation shall apply to work done from January 1, 2020 to December 31, 2021.

12. FUTURE BID INVITATIONS

Future bid invitations may not be sent to vendors who do not bid on this invitation, unless they specifically request that their names be continued on the invitation list.