

# **PUBLIC NOTICE FOR REQUEST-FOR-PROPOSAL**

## **CAPACITY, MANANGEMENT, OPERATIONS, AND MAINTENENACE PLAN (JOB 2817)**

### **Project Overview**

Per its National Pollutants Discharge Elimination System (NPDES) permit, the City of Rock Island (City) will be required to develop, implement, and submit a Capacity, Management, Operations, and Maintenance (CMOM) Plan for the Mill Street Wastewater Treatment Plant to the Illinois Environmental Protection Agency (IEPA). The City will use the CMOM Plan as a means to maintain their collection system moving forward to reduce basement back-ups and combined sewer overflows. The CMOM Plan shall include permit items A, B, C, D, E and F listed under SPECIAL CONDITION 18 in the attached Appendix A.

### **Background of Rock Island**

The design average flow and design maximum flow for the Mill Street Wastewater Treatment Plant are 8 MGD and 16 MGD, respectively. Wet weather flows beyond 16 MGD up to 90 MGD are treated by the wet weather treatment facility that includes fine screens, enhanced primary clarifiers, chlorination, and dechlorination. Flows beyond 90 MGD are treated with fine screens, chlorination, and dechlorination. Flow is discharged to the Mississippi River.

Through implementation of the City of Rock Island's Long Term Control Plan submitted on June 30, 2006 and approved by the USEPA on April 1, 2008, there are no sanitary sewer overflows. There are five combined sewer overflows located at:

- The main discharge (001 STP Outfall)
- Two storage treatment basins (Outfall 11 & 12), where polymer and chlorine are fed
- Outfall 007, where sodium hypochlorite and sodium bisulfite is fed
- Wet Weather Treatment Facility outfall, where ferric chloride and chlorine are fed (A01)

The City also owns and maintains approximately 140 miles of sanitary sewer lines and 4 lift stations that convey sewage to the Mill Street plant.

## **Scope of Services**

The objective of this project is to develop and submit a completed CMOM Plan for the Mill Street Wastewater Treatment Plant that meets the NPDES permit requirements. The project is divided into two tasks:

### **Task 1: Information Request and Review and CMOM Plan Outline**

Identify and request existing information related to the permitted items A, B, C, D, E, and F listed under the SPECIAL CONDITION 18 in the attached Appendix A. Organize the information and determine missing information required to meet the permit. Conduct Workshop 1 with City Staff to codify and/or develop the missing information that may include SPECIAL CONDITION 18 items A.3, A.5, and A.6. Discuss SPECIAL CONDITION 18 items A.8.a, A.8.b, A.8.c, A.8.d, and A.8.e, for each asset. The objective of Workshop 1 is to create the outline for the CMOM Plan and gather the information required to draft the CMOM Plan as part of Task 2 below.

### **Deliverables**

Information Request  
Workshop agenda, materials, and minutes  
Outline of the CMOM Plan

### **Meetings**

Workshop 1 – Information Review and CMOM Plan Outline

### **Task 2: CMOM Plan Development**

Prepare the draft and final CMOM Plans that include all permitted items reviewed and discussed in Task 1. For SPECIAL CONDITION 18 items A.7 and A.8, develop a simplistic asset management tool to prioritize improvements.

Workshop 2 will be conducted to review the Draft CMOM Plan and the asset management tool with the City of Rock Island. Comments received from Workshop 2 will be incorporated into the Final CMOM Plan for submission to the IEPA.

### **Deliverables**

Draft CMOM Plan  
Workshop agenda, materials, and minutes  
Final CMOM Plan that is acceptable to IEPA

### **Meetings**

Workshop 2 – CMOM Plan Review

### **Project Schedule**

September 17, 2020	RFP Release and Website Posting
October 2, 2020	Submittals Due by 5:00 pm
October 26, 2020	Council Approval of Selection and Contract
October/November, 2020	Execute contract
October/November, 2020	Notice to Proceed

The Final CMOM Plan shall be completed six (6) months after receiving Notice to Proceed from the City of Rock Island.

### **CITY'S RESPONSIBILITIES**

The City staff will provide the consultant with all relevant information it has pertaining to the City's operation of the wastewater plant and collection system.

### **INSURANCE REQUIREMENTS**

The Consultant shall demonstrate the willingness and ability to provide the required insurance coverage as set forth below within ten (10) calendar days of notification of selection for award of the Agreement.

The selected Firm(s) will be required to carry, and provide certificates of insurance for, minimum levels of insurance coverage for Commercial General Liability as follows:

- General Aggregate - \$1 Million
- Products Comp/Ops Aggregate - \$1 Million
- Personal & Advertising - \$1 Million
- Each Occurrence - \$1 Million
- Fire Damage - \$50,000
- Medical Expense - \$25,000
- Employer's Liability and Workmen's Comp – Statutory limits

The General Liability Insurance is to contain or be endorsed to name the City, its officers, officials, employees and agents as "Additional Insured" as respects liability arising out of the activities performed in connection with this contract. The coverage shall be primary and shall be primary and shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability. Original endorsements, signed by a person authorized to bind coverage on its behalf, shall be furnished to the City by the successful Firm.

Worker' Compensation policies are to be endorsed to include a waiver of subrogation against the City, its officers, officials employees and agents.

## SUBMITTAL AND CONTACT INFORMATION

Proposals should include a list of three to five projects of similar design, a list of personnel who will be involved in the project along with their relevant experience, a proposed scope of services with cost, a list of references, and a schedule noting a timeline for project completion. In order to minimize the volume of information, please limit your submittal to the items listed.

All questions concerning the RFP may be directed to:

Lisa Perry, Wastewater Supervisor, [perry.lisa@rigov.org](mailto:perry.lisa@rigov.org)

All answers will be posted in related documents on the City's Bid Page under an RFP related document named "Bidder Questions and Answers".

Respondents shall provide **(4) paper copies** in a sealed envelope that is marked "CMOM Proposal". Proposals may either be hand carried or mailed and should be received at the City of Rock Island Public Works Department, 1309 Mill Street, Rock Island, IL 61201 **no later than 5 p.m. (CDT) on October 2, 2020**. Submittals received after the due date and time will be discarded.

The City reserves the right to reject all proposals, whether in part or in its entirety, or to request and obtain, from one or more of the consulting firms submitting proposals, supplementary information as may be necessary for city staff to analyze proposals.

The Consultant, by submitting a response to this RFP, waives all rights to protest or seek any legal remedies whatsoever regarding any aspect of this RFP. The City reserves the right to accept or reject any or all proposals, to waive any irregularity in a proposal and to make an award as may best service the interests of the City.

This RFP does not commit the City to award a contract, to defray any costs incurred in the preparation of a proposal pursuant to this RFP or to procure or contract for work. All proposals submitted in response to this RFP become the property of the City and public records and, as such, may be subject to public review.

The City reserves the right to cancel, in part or in its entirety, this RFP including, but not limited to: selection procedures, submittal date and submittal requirements. If the City cancels or revises the RFP, all interested firms will be notified using e-mail.

## Appendix A

SPECIAL CONDITION 18. The Permittee shall work towards the goals of achieving no discharges from sanitary sewer overflows or basement back-ups and ensuring that overflows or back-ups, when they do occur do not cause or contribute to violations of applicable standards or cause impairment in any adjacent receiving water. Overflows from sanitary sewers are expressly prohibited by this permit and by Ill. Adm. Code 306.304. In order to accomplish these goals of complying with this prohibition and mitigating the adverse impacts of any such overflows if they do occur, the Permittee shall (A) identify and report to IEPA all SSOs that do occur, and (B) develop, implement and submit to the IEPA a Capacity, Management, Operations, and Maintenance (CMOM) plan which includes an Asset Management strategy within 12 months of the effective date of this Permit or review and revise any existing plan accordingly. The Permittee shall modify the Plan to incorporate any comments that it receives from IEPA and shall implement the modified plan as soon as possible. The Permittee should work as appropriate, in consultation with affected authorities at the local, county, and/or state level to develop the plan components involving third party notification of overflow events. The Permittee may be required to construct additional sewage transport and/or treatment facilities in future permits or other enforceable documents should the implemented CMOM plan indicate that the Permittee's facilities are not capable of conveying and treating the flow for which they are designed. The CMOM plan shall include the following elements:

### A. Measures and Activities:

1. A complete map and system inventory for the collection system owned and operated by the Permittee;
2. Organizational structure; budgeting; training of personnel; legal authorities; schedules for maintenance, sewer system cleaning, and preventative rehabilitation; checklists, and mechanisms to ensure that preventative maintenance is performed on equipment owned and operated by the Permittee;
3. Documentation of unplanned maintenance;
4. An assessment of the capacity of the collection and treatment system owned and operated by the Permittee at critical junctions and immediately upstream of locations where overflows and backups occur or are likely to occur; use flow monitoring as necessary;
5. Identification and prioritization of structural deficiencies in the system owned and operated by the Permittee;
6. Operational control, including documented system control procedures, scheduled inspections and testing;
7. The Permittee shall develop and implement an Asset Management strategy to ensure the long-term sustainability of the collection system. Asset Management shall be used to assist the Permittee in making decisions on when it is most appropriate to repair, replace or rehabilitate particular assets and develop long-term funding strategies; and
8. Asset Management shall include but is not limited to the following elements:
  - a. Asset Inventory and State of the Asset;
  - b. Level of Service;

- c. Critical Asset Identification;
- d. Life Cycle Cost; and
- e. Long-Term Funding Strategy.

B. Design and Performance Provisions:

- 1. Monitor the effectiveness of CMOM;
- 2. Upgrade the elements of the CMOM plan as necessary; and
- 3. Maintain a summary of CMOM activities.

C. Overflow Response Plan:

- 1. Know where overflows and back-ups within the facilities owned and operated by the Permittee occur;
- 2. Respond to each overflow or back-up to determine additional actions such as clean up; and
- 3. Locations where basement back-ups and/or sanitary sewer overflows occur shall be evaluated as soon as practicable for excessive inflow/infiltration, obstructions or other causes of overflows or back-ups as set forth in the System Evaluation Plan.

D. System Evaluation Plan:

- 1. Summary of existing SSO and Excessive I/I areas in the system and sources of contribution;
- 2. Evaluate plans to reduce I/I and eliminate SSOs;
- 3. Special provisions for Pump Stations and force mains and other unique system components; and
- 4. Construction plans and schedules for correction.

E. Reporting and Monitoring Requirements:

- 1. Program for SSO detection and reporting; and
- 2. Program for tracking and reporting basement back-ups, including general public complaints.

F. Third Party Notice Plan:

- 1. Describes how, under various overflow scenarios, the public, as well as other entities, would be notified of overflows within the Permittee's system that may endanger public health, safety or welfare;
- 2. Identifies overflows within the Permittee's system that would be reported, giving consideration to various types of events including events with potential widespread impacts;
- 3. Identifies who shall receive the notification;
- 4. Identifies the specific information that would be reported including actions that will be taken to respond to the overflow;
- 5. Includes a description of the lines of communication; and
- 6. Includes the identities and contact information of responsible POTW officials and local, county, and/or state level officials.